U.S. Department
of Transportation

800 Independence Ave., S.W.
Washington, D.C. 20591

**Federal Aviation
Administration**

Transmittal Letter 13-17 **July 5, 2013**

**PREPARED BY THE PRODUCT SUPPORT GROUP, AJV-34
(AVAILABLE ON THE WEB AT HTTP://NFDC.FAA.GOV)**

The enclosed Standard Instrument Approach Procedures, Departure Procedures/Takeoff Minimums and Fix Actions are effective as indicated.

The following are corrected copies of procedures that were previously published in TL 13-15 and TL 13-16

Juneau, AK, Juneau Intl, Takeoff Minimums and Obstacle DP, Amdt 4
Birmingham, AL, Birmingham-Shuttlesworth Intl, RNAV (GPS) RWY 36, Amdt 1A
Tulsa, OK, Tulsa Intl, RNAV (GPS) RWY 8, Amdt 2
Osceola, WI, L O Simenstad Muni, RNAV (GPS) RWY 10, Orig

The following procedure, previously published in TL 13-16 on June 21, 2013, with an effective date of 22 August 2013, has been rescinded in its entirety.

Juneau, AK, Juneau Intl, ASORT ONE, Graphic DP

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
JUNEAU, AK	JUNEAU INTL	8/22/2013	4

TAKEOFF MINIMUMS:

TEXTUAL DEPARTURE PROCEDURES:

RWY 8, 26 - USE JUNEAU DEPARTURE. 

TAKEOFF OBSTACLE NOTES:

CONTROLLING OBSTACLES:

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 13-16





U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
JUNEAU, AK	JUNEAU INTL	8/22/2013	4

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

PENDING

DEVELOPED BY:

VICTOR B NASO AJV-354 06/25/2013

APPROVED BY:

DEBORAH CORELAND AJV-354

JUL 03 2013

COORDINATED WITH:

CHANGES:

REASONS:

06/25/2013: THIS IS A CORRECTED COPY OF THE FORM APPROVED 06/20/2013
1. CHANGED DEPARTURE PROCEDURE FROM; RWY 8, 26 – USE ASORT DEPARTURE, TO: RWY 8, 26 – USE JUNEAU DEPARTURE.

QUALITY CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TDG VOR/DME	HANDE (FB)	240.03 / 28.82	4000
OKW VORTAC	JAPAM (FB)	086.00 / 18.99	3000
HANDE (IAF)	GOTBY (NOPT) (FB)	266.40 / 11.25	3000
JAPAM (IAF)	GOTBY (NOPT) (FB)	086.21 / 6.56	3000
GOTBY (IF/IAF)	IMOBY (FB)	002.59 / 6.77	2800
IMOBY	BERFY (FB)	002.58 / 4.00	2300
BERFY (FAF)	RW36 (MAP) (FO)	003.03 / 4.99	
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV: RW36

CLIMB TO 3000 DIRECT BASKN AND ON TRACK 281.43 TO VUZ VORTAC AND HOLD.

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 13-15

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S GOTBY, RT, 002.58 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 003.03 FAF: BERFY DIST FAF TO MAP: 4.99 THLD: 4.99
4. MIN. ALT: GOTBY 3000, IMOBY 2800, BERFY 2300
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW36 3100

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 229.00 INBOUND.
CHART FAS OBST: 1223 COMMUNICATION TWR 333147N/0864407W
CHART 1239 TREE 332756N/0864556W

MAG VAR: 3W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A @

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1480	1	847	1480	1 1/4	847	1480	2 1/2	847	1480	2 3/4	847			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON OKW VORTAC AIRWAY RADIALS 034 CW 096.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TDG VOR/DME ON V18 EASTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HANDE ON V159-54 SOUTHEAST BOUND (SEE FORM 8260-10)

@ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4

QUALITY 4

CITY AND STATE	ELEVATION: 650 TDZE: 633	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BIRMINGHAM, AL	AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL	RNAV	RNAV (GPS) RWY 36, AMDT 1A 22 AUGUST 2013	AMDT: 1
				DATED 10/22/2009

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW36 (MAP)	1050 MSL	003.03	
1050 MSL	BASKN (FB)		
BASKN	VUZ VORTAC (FO)	281.43 / 7.73	3000

NOTES, (CONT.):
CHART PROFILE NOTE: DESCENT ANGLE NA
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

QUALITY 4

CITY AND STATE	ELEVATION: 650 THRE: 633	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BIRMINGHAM, AL	AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL	RNAV	RNAV (GPS) RWY 36, AMDT 1A 22 AUGUST 2013	AMDT: 1
				DATED: 10/22/2009

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ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAD        OKW   K7011100VTLW N33142242W087145999    N33142242W087145999E0000006491     NARBROOKWOOD
         SUSAD        TDG   K7010880VDL  N33343055W086023367    N33343055W086023367E0020005311     NARTALLADEGA
         SUSAD        VUZ   K7011440VTHA N33401248W086535941    N33401248W086535941E0020007432     NARVULCAN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   BASKN K70    C      N33390471W086444973                    W0031     NAR          BASKN
         SUSAEAENRT   BERFY K70    W      N33281329W086445015                    W0031     NAR          BERFY
         SUSAEAENRT   GOTBY K70    C    L N33172594W086444454                    W0031     NAR          GOTBY
         SUSAEAENRT   HANDE K70    C    L N33184440W086312444                    W0032     NAR          HANDE
         SUSAEAENRT   IMOBY K70    W      N33241285W086444805                    W0031     NAR          IMOBY
         SUSAEAENRT   JAPAM K70    C    L N33163951W086523110                    W0030     NAR          JAPAM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KBHMK7ABHM      0     119YHN33335000W086450830W003000650          1800018000C    MNAR     BIRMINGHAM-SHUTTLESWORTH INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KBHMK7FR36   AGOTBY 010GOTBYK7EA0EE AR   HF                      00260040    + 03000     18000              B JS
         SUSAP KBHMK7FR36   AOKW   010OKW  K7D 0V       IF                                          18000              B JS
         SUSAP KBHMK7FR36   AOKW   020JAPAMK7EA0E  A 020TF                      08600190    + 03000                        B JS
         SUSAP KBHMK7FR36   AOKW   030GOTBYK7EA0EE B 010TF                      08620066    + 03000                        B JS
         SUSAP KBHMK7FR36   ATDG   010TDG  K7D 0V       IF                                          18000              B JS
         SUSAP KBHMK7FR36   ATDG   020HANDEK7EA0E  A 020TF                      24000288    + 04000                        B JS
         SUSAP KBHMK7FR36   ATDG   030GOTBYK7EA0EE B 010TF                      26640113    + 03000                        B JS
         SUSAP KBHMK7FR36   R      010GOTBYK7EA0E  I    IF                                     + 03000     18000              B JS
         SUSAP KBHMK7FR36   R      011IMOBYK7EA0E S  051TF                      00260068    + 02800                        B JS
         SUSAP KBHMK7FR36   R      020BERFYK7EA1E  F 051TF                      00260040    + 02300                RW36  K7PGB JS
         SUSAP KBHMK7FR36   R      020BERFYK7EA2WN          N          ALNAV                                              JS
         SUSAP KBHMK7FR36   R      030RW36 K7PG0GY M 031TF                      00300050      01480                000   B JS
         SUSAP KBHMK7FR36   R      040          0  M     CA                     0030        + 01050                        B JS
         SUSAP KBHMK7FR36   R      050BASKNK7EA0E        DF                                                              B JS
         SUSAP KBHMK7FR36   R      060VUZ  K7D 0VY   010TF                      2814        + 03000                        B JS
         SUSAP KBHMK7FR36   R      070VUZ  K7D 0VE  R   HM                      22900070    + 03000                        B JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 650 TDZE: 633	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BIRMINGHAM, AL	AIRPORT NAME: **BIRMINGHAM-SHUTTLESWORTH INTL**	**RNAV**	**RNAV (GPS) RWY 36, AMDT 1A** 22 AUGUST 2013	AMDT: **1** DATED: **10/22/2009**

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```
SUSAP KBHMK7GRW36     0070990030 N33331334W086444992+0200     +0163900633000055150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
SUSAP KBHMK7SRW36 K7PG               0   18018003125                                                                    M
```

SAMPLE
4
CHECKED

CITY AND STATE	ELEVATION: 650 TDZE: 633	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BIRMINGHAM, AL	AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL	RNAV	RNAV (GPS) RWY 36, AMDT 1A 22 AUGUST 2013	AMDT: 1
				DATED: 10/22/2009

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GOTBY	GOTBY	010	IAF	HF	R	FO		002.6(359.6T)	004.0	AA 03000	
	OKW	OKW	010		IF		FB					
	OKW	JAPAM	020	IAF	TF		FB	2.0	086.0(083.0T)	019.0	AA 03000	
	OKW	GOTBY	030		TF		FB	1.0	086.2(083.2T)	006.6	AA 03000	
	TDG	TDG	010		IF		FB					
	TDG	HANDE	020	IAF	TF		FB	2.0	240.0(237.0T)	028.8	AA 04000	
	TDG	GOTBY	030		TF		FB	1.0	266.4(263.4T)	011.3	AA 03000	
		GOTBY	010	FACF	IF		FB				AA 03000	
		IMOBY	011	SDF	TF		FB	0.5	002.6(359.6T)	006.8	AA 02800	
		BERFY	020	FAF	TF		FB	0.5	002.6(359.6T)	004.0	AA 02300	
		RW36	030	MAP	TF		FO	0.3	003.0(360.0T)	005.0	AT 01480	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		003.0(360.0T)		AA 01050	
	BASKN	050		DF		FB					
	VUZ	060		TF		FO	1.0	281.4(278.4T)		AA 03000	
	VUZ	070		HM	R	FO		229.0(226.0T)	007.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OKW	N331422.42	W0871459.99	N3314.374	W08715.000
	TDG	N333430.55	W0860233.67	N3334.509	W08602.561
	VUZ	N334012.48	W0865359.41	N3340.208	W08653.990
	BASKN	N333904.71	W0864449.73	N3339.079	W08644.829
	BERFY	N332813.29	W0864450.15	N3328.222	W08644.836
	GOTBY	N331725.94	W0864444.54	N3317.432	W08644.742
	HANDE	N331844.40	W0863124.44	N3318.740	W08631.407
	IMOBY	N332412.85	W0864448.05	N3324.214	W08644.801
	JAPAM	N331639.51	W0865231.10	N3316.659	W08652.518
	RW36	N333313.34	W0864449.92	N3333.222	W08644.832

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	00633	55



CITY AND STATE	ELEVATION: 650	TDZE: 633	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BIRMINGHAM, AL	AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL		RNAV	RNAV (GPS) RWY 36, AMDT 1A 22 AUGUST 2013	AMDT: 1 DATED: 10/22/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HAGIL (IF/IAF)	CEBIP (FB)	083.27 / 6.09	2800
CEBIP (FAF)	WIGOX/2.10 NM TO RW08 (FB)	083.34 / 4.42	
WIGOX/2.10 NM TO RW08	RW08 (MAP) (FO)	083.34 / 2.10	
RW08 (MAP)	921 MSL		
921 MSL	JESON (FO)		3600

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 13-16

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW08

CLIMB TO 3600 DIRECT JESON AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W HAGIL, RT, 083.27 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
3. FAC: 083.34 FAF: CEBIP DIST FAF TO MAP: 6.52 THLD: 6.52
4. MIN. ALT: HAGIL 3500, CEBIP 2800, WIGOX/2.10 NM TO RW08 1380*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: CEBIP 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 263.58 INBOUND.
CHART FAS OBST: 790 POLE 361150N/0955517W
CHART: 1123 TOWER 361144N/0960220W
CHART: 843 TOWER 361129N/0955651W
DISTANCE TO THLD FROM 250 HATH: 0.62 NM.
CHART VDP AT 0.99 MILES TO RW08*
*LNAV ONLY.
WAAS CHANNEL # 63131
REFERENCE PATH ID: W08A
CHART CIRCLING ICON
CHART: ASR
LTP HAE: 175.6 M

MAG VAR: 6E EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	921	3/4	250	921	3/4	250	921	3/4	250	921	3/4	250	921	3/4	250
LNAV/VNAV DA	985	1	314	985	1	314	985	1	314	985	1	314	985	1	314
LNAV MDA	1040	1	369	1040	1	369	1040	1	369	1040	1	369	1040	1	369
CIRCLING	1120	1	442	1160	1	482	1520	2 1/2	842	1520	2 3/4	842	1520	3	842

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)

@ CAT C 900-2 1/2, CAT D 900-2 3/4, CAT E 900-3

QUALITY CHECKED

CITY AND STATE	ELEVATION: 678 THRE: 671 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TULSA, OK	TULSA INTL	RNAV	RNAV (GPS) RWY 8, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED 09/23/2010

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NOTES, (CONT.):
*LNAV ONLY
CHART NOTE: CIRCLING NA FOR CAT E SOUTH OF RWY 8-26.

TAA

	FROM	TO	ALT
1.	353/30 CW 173/30 (NOPT)	HAGIL (IF/IAF) (FB)	3500
2.	173/30 CW 353/30	HAGIL (IF/IAF) (FO)	3600

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 678 THRE: 671	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TULSA, OK	AIRPORT NAME: TULSA INTL	RNAV	RNAV (GPS) RWY 8, AMDT 2 22 AUGUST 2013	AMDT: 1
				DATED: 09/23/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTUL
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	361143.5540N
LTP/FTP LONGITUDE	0955356.5095W
LTP/FTP ELLIPSOIDAL HEIGHT	+01756
FPAP LATITUDE	361144.4425N
FPAP LONGITUDE	0955206.4340W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0504
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	BF38A5B9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02046
FPAP ORTHOMETRIC HEIGHT	+02046

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 678 THRE: 671	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TULSA, OK	AIRPORT NAME: TULSA INTL	RNAV	RNAV (GPS) RWY 8, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED: 09/23/2010

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ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CEBIP K40    W     N36113932W096015990                    E0032     NAR           CEBIP
        SUSAEAENRT   HAGIL K40    W     N36113487W096093120                    E0032     NAR           HAGIL
        SUSAEAENRT   JESON K40    W     N36115073W095365993                    E0029     NAR           JESON
        SUSAEAENRT   WIGOX K40    W     N36114225W095563217                    E0031     NAR           WIGOX

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTULK4ATUL     0     099YHN36115420W095531720E006000678         1800018000C    MNAR    TULSA INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTULK4FR08   AHAGIL 010HAGILK4EA0EE AR   HF                    08330070    + 03500     18000                A JS
        SUSAP KTULK4FR08   R       010HAGILK4EA0E  I    IF                                + 03500     18000                A JS
        SUSAP KTULK4FR08   R       020CEBIPK4EA1E  F 051TF                    08330061    + 02800                          A JS
        SUSAP KTULK4FR08   R       020CEBIPK4EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KTULK4FR08   R       021WIGOXK4EA0E S  031TF                    08330044    V 0138001392       -300          A JS
        SUSAP KTULK4FR08   R       030RW08 K4PG0GY M 031TF                    08330021      00723            -300          A JS
        SUSAP KTULK4FR08   R       040          0  M     CA                   0833        + 00921                          A JS
        SUSAP KTULK4FR08   R       050JESONK4EA0EY       DF                              + 03600                          A JS
        SUSAP KTULK4FR08   R       060JESONK4EA0EE  R    HM                   26360070    + 03600                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTULK4GRW08     0073760834 N36114355W095535651-0500     +0175600671000052150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTULK4PR08   RW08 001 0000W08A0N3611435540W09553565095+017560300N3611444425W095520643401067505040005 20F400500BF38A5B9
        SUSAP KTULK4PR08   RW08 002E       +02046+02046LPV       63131
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 678 THRE: 671	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TULSA, OK	AIRPORT NAME: TULSA INTL	RNAV	RNAV (GPS) RWY 8, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED: 09/23/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HAGIL	HAGIL	010	IAF	HF	R	FO		083.3(089.3T)	007.0	AA 03500	
		HAGIL	010	FACF	IF		FB				AA 03500	
		CEBIP	020	FAF	TF		FB	0.5	083.3(089.3T)	006.1	AA 02800	
		WIGOX	021	SDF	TF		FB	0.3	083.3(089.3T)	004.4	AA 01380 GS 01392	
		RW08	030	MAP	TF		FO	0.3	083.3(089.3T)	002.1	AT 00723	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		083.3(089.3T)		AA 00921	
	JESON	050		DF		FO				AA 03600	
	JESON	060		HM	R	FO		263.6(269.6T)	007.0	AA 03600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEBIP	N361139.32	W0960159.90	N3611.655	W09601.998
	HAGIL	N361134.87	W0960931.20	N3611.581	W09609.520
	JESON	N361150.73	W0953659.93	N3611.846	W09536.999
	WIGOX	N361142.25	W0955632.17	N3611.704	W09556.536
	RW08	N361143.55	W0955356.51	N3611.726	W09553.942

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00671	52

QUALITY CHECKED

CITY AND STATE	ELEVATION: 678 THRE: 671 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TULSA, OK	**TULSA INTL**	**RNAV**	**RNAV (GPS) RWY 8, AMDT 2** 22 AUGUST 2013	AMDT: 1
				DATED: **09/23/2010**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WESUS (IF/IAF)	ZAVGO (FB)	102.56 / 7.00	2600
ZAVGO (FAF)	YUGUP/2.70 NM TO RW10 (FB)	102.67 / 2.58	
YUGUP/2.70 NM TO RW10	RW10 (MAP) (FO)	102.67 / 2.70	
RW10 (MAP)	1134 MSL		
1134 MSL	ECLEY (FO)		3000

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 13-15

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW10

CLIMB TO 3000 DIRECT ECLEY AND HOLD.

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD W WESUS, RT, 102.56 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 102.67 FAF: ZAVGO DIST FAF TO MAP: 5.28 THLD: 5.28
4. MIN. ALT: WESUS 3000, ZAVGO 2600, YUGUP/2.70 NM TO RW10 1760*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2600 GS ALT AT: ZAVGO 2600 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 35.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 282.96 INBOUND.
CHART FAS OBST: 1099 TREE 451935N/0924428W 1179 AAO 451914N/0924900W.
DISTANCE TO THLD FROM 250 HATH: 0.67 NM.
CHART VDP AT 1.38 MILES TO RW10*
*LNAV ONLY.
WAAS CHANNEL # 69532
REFERENCE PATH ID: W10A
CHART CIRCLING ICON.
LTP HAE: 241.8 M

MAG VAR: 1E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1134	7/8	250	1134	7/8	250	1134	7/8	250		NA				
LNAV/VNAV DA	1177	1	293	1177	1	293	1177	1	293		NA				
LNAV MDA	1360	1	476	1360	1	476	1360	1 3/8	476		NA				
CIRCLING	1360	1	454	1500	1	594	1520	1 3/4	614						

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING ANOKA COUNTY-BLAINE ARPT (JANES FIELD) ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ANOKA COUNTY-BLAINE ARPT (JANES FIELD) (SEE FORM 8260-10)

QUALITY 4 QUALIFIED

CITY AND STATE	ELEVATION: 906 THRE: 884 AIRPORT NAME:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
OSCEOLA, WI	L O SIMENSTAD MUNI		RNAV (GPS) RWY 10, ORIG 22 AUGUST 2013	AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
ALTIMETER SETTING AND INCREASE ALL DA 57 FT AND ALL MDA 60 FT. INCREASE LPV ALL CATS AND LNAV CAT C VISIBILITY 1/8 MILE, LNAV/VNAV ALL CATS AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

TAA

	FROM	TO	ALT
1.	013/30 CW 193/30 (NOPT)	013/15 CW 193/15	3500
2.	013/15 CW 193/15	WESUS (IF/IAF) (FB)	3000
3.	193/30 CW 013/30	193/15 CW 013/15	3500
4.	193/15 CW 013/15	WESUS (IF/IAF) (FO)	3000

CITY AND STATE	ELEVATION: 906 THRE: 884	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
OSCEOLA, WI	AIRPORT NAME: L O SIMENSTAD MUNI	RNAV	RNAV (GPS) RWY 10, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOEO
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	451835.4535N
LTP/FTP LONGITUDE	0924150.5285W
LTP/FTP ELLIPSOIDAL HEIGHT	+02418
FPAP LATITUDE	451814.2400N
FPAP LONGITUDE	0923947.9100W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	3405EB79

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02695
FPAP ORTHOMETRIC HEIGHT	+02695

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 906 THRE: 884 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
OSCEOLA, WI	L O SIMENSTAD MUNI	RNAV	RNAV (GPS) RWY 10, ORIG 22 AUGUST 2013	AMDT: NONE DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ECLEY K50    W      N45152806W092235468                          W0003     NAR           ECLEY
        SUSAEAENRT   WESUS K30    W      N45212942W092584546                          E0002     NAR           WESUS
        SUSAEAENRT   YUGUP K30    W      N45191392W092453353                          E0000     NAR           YUGUP
        SUSAEAENRT   ZAVGO K30    W      N45195053W092490653                          E0001     NAR           ZAVGO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOEOK5AOEO     0      050YHN45183364W092412444E001000906          1800018000C     MNAR    L O SIMENSTAD MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOEOK5FR10    AWESUS 010WESUSK3EA0EE AR    HF                      10260040    + 03000     18000                A JS
        SUSAP KOEOK5FR10    R      010WESUSK3EA0E  I     IF                                  + 03000     18000                A JS
        SUSAP KOEOK5FR10    R      020ZAVGOK3EA1E  F 051TF                      10260070    + 02600                          A JS
        SUSAP KOEOK5FR10    R      020ZAVGOK3EA2WALPV        ALNAV/VNAV ALNAV                                               JS
        SUSAP KOEOK5FR10    R      021YUGUPK3EA0E S  031TF                      10270026    V 0176001779        -300         A JS
        SUSAP KOEOK5FR10    R      030RW10 K5PG0GY M 031TF                      10270027      00919             -300         A JS
        SUSAP KOEOK5FR10    R      040          0  M      CA                   1027        + 01134                          A JS
        SUSAP KOEOK5FR10    R      050ECLEYK5EA0EY        DF                              + 03000                          A JS
        SUSAP KOEOK5FR10    R      060ECLEYK5EA0EE  R     HM                   28300040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOEOK5GRW10     0050061028 N45183545W092415053+0400     +024180088400003507 5R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOEOK5PR10    RW10 001 0000W10A0N4518354535W09241505285+024180300N4518142400W092394791001067512240003 50F4005003405EB79
        SUSAP KOEOK5PR10    RW10 002E       +02695+02695LPV       69532
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CITY AND STATE	ELEVATION: 906 THRE: 884	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OSCEOLA, WI	AIRPORT NAME: **L O SIMENSTAD MUNI**	**RNAV**	**RNAV (GPS) RWY 10, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	WESUS	WESUS	010	IAF	HF	R	FO		102.6(103.6T)	004.0	AA 03000	
		WESUS	010	FACF	IF		FB				AA 03000	
		ZAVGO	020	FAF	TF		FB	0.5	102.6(103.6T)	007.0	AA 02600	
		YUGUP	021	SDF	TF		FB	0.3	102.7(103.7T)	002.6	AA 01760 GS 01779	
		RW10	030	MAP	TF		FO	0.3	102.7(103.7T)	002.7	AT 00919	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		102.7(103.7T)		AA 01134	
	ECLEY	050		DF		FO				AA 03000	
	ECLEY	060		HM	R	FO		283.0(284.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ECLEY	N451528.06	W0922354.68	N4515.468	W09223.911
	WESUS	N452129.42	W0925845.46	N4521.490	W09258.758
	YUGUP	N451913.92	W0924533.53	N4519.232	W09245.559
	ZAVGO	N451950.53	W0924906.53	N4519.842	W09249.109
	RW10	N451835.45	W0924150.53	N4518.591	W09241.842

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	00884	35

CITY AND STATE	ELEVATION: 906 THRE: 884	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OSCEOLA, WI	AIRPORT NAME: **L O SIMENSTAD MUNI**	**RNAV**	**RNAV (GPS) RWY 10, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30909; Amdt. No. 3544]

Standard Instrument Approach Procedures, and Takeoff Minimums and Obstacle Departure Procedures; Miscellaneous Amendments

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

SUMMARY: This rule establishes, amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures for operations at certain airports. These regulatory actions are needed because of the adoption of new or revised criteria, or because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, adding new obstacles, or changing air traffic requirements. These changes are designed to provide safe and efficient use of the navigable airspace and to promote safe flight operations under instrument flight rules at the affected airports.

DATES: This rule is effective [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER]. The compliance date for each SIAP, associated Takeoff Minimums, and ODP is specified in the amendatory provisions.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the

Federal Register as of [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER].

ADDRESSES: Availability of matters incorporated by reference in the amendment is as follows:

For Examination-

1. FAA Rules Docket, FAA Headquarters Building, 800 Independence Avenue, SW., Washington, DC 20591;

2. The FAA Regional Office of the region in which the affected airport is located;

3. The National Flight Procedures Office, 6500 South MacArthur Blvd., Oklahoma City, OK 73169 or,

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability- All SIAPs and Takeoff Minimums and ODPs are available online free of charge. Visit http://www.nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

1. FAA Public Inquiry Center (APA-200), FAA Headquarters Building, 800 Independence Avenue, SW., Washington, DC 20591; or

2. The FAA Regional Office of the region in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Richard A. Dunham III, Flight Procedure Standards Branch (AFS-420), Flight Technologies and Programs Divisions, Flight Standards Service, Federal Aviation

Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd. Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082, Oklahoma City, OK 73125) Telephone: (405) 954-4164. SUPPLEMENTARY INFORMATION: This rule amends Title 14 of the Code of Federal Regulations, Part 97 (14 CFR part 97), by establishing, amending, suspending, or revoking SIAPS, Takeoff Minimums and/or ODPS. The complete regulators description of each SIAP and its associated Takeoff Minimums or ODP for an identified airport is listed on FAA form documents which are incorporated by reference in this amendment under 5 U.S.C. 552(a), 1 CFR part 51, and 14 CFR part 97.20. The applicable FAA Forms are FAA Forms 8260-3, 8260-4, 8260-5, 8260-15A, and 8260-15B when required by an entry on 8260-15A.

The large number of SIAPs, Takeoff Minimums and ODPs, in addition to their complex nature and the need for a special format make publication in the Federal Register expensive and impractical. Furthermore, airmen do not use the regulatory text of the SIAPs, Takeoff Minimums or ODPs, but instead refer to their depiction on charts printed by publishers of aeronautical materials. The advantages of incorporation by reference are realized and publication of the complete description of each SIAP, Takeoff Minimums and ODP listed on FAA forms is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAPs and the effective dates of the, associated Takeoff Minimums and ODPs. This amendment also identifies the airport and its location, the procedure, and the amendment number.

THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP, Takeoff Minimums and ODP as contained in the transmittal. Some SIAP and Takeoff Minimums and textual ODP amendments may have been issued previously by the FAA in a Flight Data Center (FDC) Notice to Airmen (NOTAM) as an emergency action of immediate flight safety relating directly to published aeronautical charts. The circumstances which created the need for some SIAP and Takeoff Minimums and ODP amendments may require making them effective in less than 30 days. For the remaining SIAPS and Takeoff Minimums and ODPS, an effective date at least 30 days after publication is provided.

Further, the SIAPs and Takeoff Minimums and ODPS contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these SIAPS and Takeoff Minimums and ODPs, the TERPS criteria were applied to the conditions existing or anticipated at the affected airports. Because of the close and immediate relationship between these SIAPs, Takeoff Minimums and ODPs, and safety in air commerce, I find that notice and public procedures before adopting these SIAPS, Takeoff Minimums and ODPs are impracticable and contrary to the public interest and, where applicable, that good cause exists for making some SIAPs effective in less than 30 days.

CONCLUSION

The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. It, therefore- (1) is not a "significant regulatory action" under Executive Order 12866; (2) is not a "significant rule" under DOT regulatory Policies and Procedures (44 FR 11034; February 26, 1979); and (3) does not warrant preparation of a regulatory evaluation as the anticipated impact is so minimal. For the same reason, the FAA certifies that this amendment will not have a significant economic impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR part 97:

Air Traffic Control, Airports, Incorporation by reference, and Navigation (Air).

Issued in Washington, DC on JULY 5, 2013.

John M. Allen
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) is amended by establishing, amending, suspending, or revoking Standard Instrument Approach Procedures and/or Takeoff Minimums and/or Obstacle Departure Procedures effective at 0902 UTC on the dates specified, as follows:

Part 97—Standard Instrument Approach Procedures

1. The authority citation for part 97 continues to read as follows:

AUTHORITY: 49 U.S.C. 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

Effective 22 AUGUST 2013

Allakaket, AK, Allakaket, Takeoff Minimums and Obstacle DP, Amdt 2
Gustavus, AK, Gustavus, RNAV (GPS) RWY 29, Amdt 2
Juneau, AK, Juneau Intl, JUNEAU FIVE, Graphic DP
Juneau, AK, Juneau Intl, LDA X RWY 8, Amdt 12
Juneau, AK, Juneau Intl, RNAV (GPS) V RWY 8, Amdt 2
Kasigluk, AK, Kasigluk, RNAV (GPS) RWY 17, Orig
Kasigluk, AK, Kasigluk, RNAV (GPS) RWY 35, Orig
Kasigluk, AK, Kasigluk, Takeoff Minimums and Obstacle DP, Orig
Sitka, AK, Sitka Rocky Gutierrez, BIORKA TWO, Graphic DP
Sitka, AK, Sitka Rocky Gutierrez, DF-A, Orig, CANCELED
Sitka, AK, Sitka Rocky Gutierrez, RNAV (GPS) RWY 11, Amdt 1
Yakutat, AK, Yakutat, RNAV (GPS) RWY 2, Amdt 3
Yakutat, AK, Yakutat, RNAV (GPS) RWY 11, Amdt 4
Yakutat, AK, Yakutat, RNAV (GPS) RWY 29, Amdt 4
Marion, AL, Vaiden Field, RNAV (GPS) RWY 16, Amdt 1
Marion, AL, Vaiden Field, RNAV (GPS) RWY 34, Amdt 1
Montgomery, AL, Montgomery Rgnl (Dannelly Field), RNAV (GPS) RWY 3, Amdt 2
Fresno, CA, Fresno Yosemite Intl, ILS OR LOC/DME RWY 29R, ILS RWY 29R (SA CAT I), ILS RWY 29R (CAT II), ILS RWY 29R (CAT III), Amdt 38
Fresno, CA, Fresno Yosemite Intl, LOC RWY 11L, Amdt 2
Fresno, CA, Fresno Yosemite Intl, RNAV (GPS) RWY 11L, Amdt 1
Fresno, CA, Fresno Yosemite Intl, RNAV (GPS) RWY 11R, Amdt 2
Fresno, CA, Fresno Yosemite Intl, RNAV (GPS) RWY 29L, Amdt 2
Fresno, CA, Fresno Yosemite Intl, RNAV (GPS) RWY 29R, Amdt 1
Fresno, CA, Fresno Yosemite Intl, Takeoff Minimums and Obstacle DP, Amdt 8
Fresno, CA, Fresno Yosemite Intl, VOR/DME OR TACAN RWY 11L, Amdt 2
San Francisco, CA, San Francisco Intl, ILS OR LOC RWY 19L, Amdt 20
San Francisco, CA, San Francisco Intl, ILS OR LOC RWY 28L, ILS RWY 28L (SA CAT II), Amdt 24
San Francisco, CA, San Francisco Intl, ILS OR LOC RWY 28R, ILS RWY 28R (CAT II), ILS RWY 28R (CAT III), ILS RWY 28R (SA CAT I), Amdt 12
San Francisco, CA, San Francisco Intl, ILS PRM RWY 28L (SIMULTANEOUS CLOSE PARALLEL), Amdt 3
San Francisco, CA, San Francisco Intl, LDA/DME RWY 28R, Amdt 2
San Francisco, CA, San Francisco Intl, LOC/DME Y RWY 28L, Orig, CANCELED
San Francisco, CA, San Francisco Intl, LOC/DME Y RWY 28R, Orig, CANCELED
San Francisco, CA, San Francisco Intl, LDA PRM RWY 28R (SIMULTANEOUS CLOSE PARALLEL), Amdt 2
San Francisco, CA, San Francisco Intl, RNAV (GPS) RWY 10L, Amdt 2
San Francisco, CA, San Francisco Intl, RNAV (GPS) RWY 19L, Amdt 2
San Francisco, CA, San Francisco Intl, RNAV (GPS) RWY 19R, Amdt 1

San Francisco, CA, San Francisco Intl, RNAV (GPS) RWY 28L, Amdt 4
San Francisco, CA, San Francisco Intl, RNAV (GPS) PRM RWY 28L (SIMULTANEOUS CLOSE PARALLEL), Amdt 1
San Francisco, CA, San Francisco Intl, RNAV (GPS) PRM X RWY 28R (SIMULTANEOUS CLOSE PARALLEL), Amdt 1
San Francisco, CA, San Francisco Intl, RNAV (GPS) X RWY 28R, Amdt 1
San Francisco, CA, San Francisco Intl, RNAV (GPS) Y RWY 10R, Amdt 2
San Francisco, CA, San Francisco Intl, RNAV (GPS) Y RWY 19L, Orig-A, CANCELED
San Francisco, CA, San Francisco Intl, RNAV (GPS) Y RWY 19R, Orig-A, CANCELED
San Francisco, CA, San Francisco Intl, RNAV (GPS) Z RWY 28R, Amdt 4
San Francisco, CA, San Francisco Intl, RNAV (RNP) Y RWY 28R, Amdt 2
San Francisco, CA, San Francisco Intl, RNAV (RNP) Z RWY 10R, Amdt 2
San Francisco, CA, San Francisco Intl, VOR RWY 19L, Amdt 10
San Francisco, CA, San Francisco Intl, VOR-B, Amdt 7
Tinian Island, CQ, Tinian Intl, NDB-A, Amdt 2
Hollywood, FL, North Perry, Takeoff Minimums and Obstacle DP, Amdt 5
Quitman, GA, Quitman Brooks County, RNAV (GPS) RWY 10, Amdt 1
Quitman, GA, Quitman Brooks County, RNAV (GPS) RWY 28, Amdt 1
Albia, IA, Albia Muni, RNAV (GPS) RWY 13, Orig
Albia, IA, Albia Muni, RNAV (GPS) RWY 31, Amdt 1
Eagle Grove, IA, Eagle Grove Muni, RNAV (GPS) RWY 13, Amdt 1
Eagle Grove, IA, Eagle Grove Muni, RNAV (GPS) RWY 31, Amdt 2
Guthrie Center, IA, Guthrie County Rgnl, RNAV (GPS) RWY 18, Amdt 1
Guthrie Center, IA, Guthrie County Rgnl, RNAV (GPS) RWY 36, Amdt 1
Hampton, IA, Hampton Muni, RNAV (GPS) RWY 17, Amdt 1
Hampton, IA, Hampton Muni, RNAV (GPS) RWY 35, Amdt 1
Maquoketa, IA, Maquoketa Muni, RNAV (GPS) RWY 15, Amdt 1
Maquoketa, IA, Maquoketa Muni, RNAV (GPS) RWY 33, Amdt 1
Sioux City, IA, Sioux Gateway/Col. Bud Day Field, NDB RWY 17, Amdt 2
Sioux City, IA, Sioux Gateway/Col. Bud Day Field, RNAV (GPS) RWY 13, Orig-B
Sioux City, IA, Sioux Gateway/Col. Bud Day Field, RNAV (GPS) RWY 17, Orig-B
Sioux City, IA, Sioux Gateway/Col. Bud Day Field, RNAV (GPS) RWY 31, Orig-B
Boise, ID, Boise Air Terminal/Gowen Fld, RNAV (GPS) Y RWY 28R, Amdt 4A
Grangeville, ID, Idaho County, MELLR TWO, Graphic DP
Grangeville, ID, Idaho County, RNAV (GPS) RWY 7, Amdt 1
Grangeville, ID, Idaho County, RNAV (GPS) RWY 25, Amdt 1
Twin Falls, ID, Joslin Field - Magic Valley Rgnl, ILS OR LOC RWY 26, Amdt 10
Twin Falls, ID, Joslin Field - Magic Valley Rgnl, NDB RWY 26, Amdt 7
Twin Falls, ID, Joslin Field - Magic Valley Rgnl, RNAV (GPS) RWY 8, Amdt 1
Twin Falls, ID, Joslin Field - Magic Valley Rgnl, RNAV (GPS) RWY 26, Amdt 1
Twin Falls, ID, Joslin Field - Magic Valley Rgnl, Takeoff Minimums and Obstacle DP, Amdt 3
Twin Falls, ID, Joslin Field - Magic Valley Rgnl, VOR RWY 8, Amdt 5
Twin Falls, ID, Joslin Field - Magic Valley Rgnl, VOR RWY 26, Amdt 16
Twin Falls, ID, Joslin Field - Magic Valley Rgnl, VOR/DME RWY 8, Amdt 1

Peoria, IL, General Downing - Peoria Intl, RNAV (GPS) RWY 31, Amdt 1A
Portland, IN, Portland Muni, Takeoff Minimums and Obstacle DP, Orig-A
Ottawa, KS, Ottawa Muni, RNAV (GPS) RWY 17, Amdt 1
Ottawa, KS, Ottawa Muni, RNAV (GPS) RWY 35, Amdt 1
Monticello, KY, Wayne County, GPS RWY 3, Orig-A, CANCELED
Monticello, KY, Wayne County, GPS RWY 21, Orig-A, CANCELED
Monticello, KY, Wayne County, RNAV (GPS) RWY 3, Orig
Monticello, KY, Wayne County, RNAV (GPS) RWY 21, Orig
Prestonsburg, KY, Big Sandy Rgnl, Takeoff Minimums and Obstacle DP, Amdt 1A
Monroe, LA, Monroe Rgnl, VOR/DME RWY 4, Amdt 3
Monroe, LA, Monroe Rgnl, VOR/DME RWY 32, Amdt 4
Hancock, MI, Houghton County Memorial, RNAV (GPS) RWY 7, Amdt 1
Hancock, MI, Houghton County Memorial, RNAV (GPS) RWY 13, Amdt 1
Kalamazoo, MI, Kalamazoo/Battle Creek International, LOC BC RWY 17, Amdt 19, CANCELED
Kalamazoo, MI, Kalamazoo/Battle Creek Intl, RNAV (GPS) RWY 17, Amdt 1
Traverse City, MI, Cherry Capitol, GPS RWY 36, Orig-B, CANCELED
Traverse City, MI, Cherry Capitol, RNAV (GPS) RWY 36, Orig
Dodge Center, MN, Dodge Center, RNAV (GPS) RWY 16, Amdt 1
Dodge Center, MN, Dodge Center, RNAV (GPS) RWY 34, Amdt 1
Jackson, MN, Jackson Muni, RNAV (GPS) RWY 13, Amdt 1
Jackson, MN, Jackson Muni, RNAV (GPS) RWY 31, Amdt 1
Wadena, MN, Wadena Muni, RNAV (GPS) RWY 16, Orig
Wadena, MN, Wadena Muni, RNAV (GPS) RWY 34, Amdt 1
Wadena, MN, Wadena Muni, Takeoff Minimums and Obstacle DP, Amdt 1
Cassville, MO, Cassville Muni, RNAV (GPS) RWY 9, Amdt 1
Cassville, MO, Cassville Muni, RNAV (GPS) RWY 27, Orig
Cassville, MO, Cassville Muni, Takeoff Minimums and Obstacle DP, Amdt 1
Fredericktown, MO, A. Paul Vance Fredericktown Rgnl, RNAV (GPS) RWY 1, Amdt 1
Fredericktown, MO, A. Paul Vance Fredericktown Rgnl, RNAV (GPS) RWY 19, Amdt 1
Fredericktown, MO, A. Paul Vance Fredericktown Rgnl, Takeoff Minimums and Obstacle DP, Amdt 1
Joplin, MO, Joplin Rgnl, RNAV (GPS) RWY 31, Amdt 1
Stockton, MO, Stockton Muni, RNAV (GPS) RWY 19, Orig-A
Jackson, MS, Jackson-Medgar Wiley Evers International, ILS OR LOC RWY 16L, ILS RWY 16L (SA CAT I), ILS RWY 16L (CAT II), ILS RWY 16L (CAT III), Amdt 8
Jackson, MS, Jackson-Medgar Wiley Evers International, ILS OR LOC RWY 34L, Amdt 6
Jackson, MS, Jackson-Medgar Wiley Evers International, VOR/DME OR TACAN RWY 16L, Orig
Jackson, MS, Jackson-Medgar Wiley Evers International, VOR/DME OR TACAN RWY 16R, Orig
Jackson, MS, Jackson-Medgar Wiley Evers International, VOR/DME OR TACAN RWY 34L, Orig
Jackson, MS, Jackson-Medgar Wiley Evers International, VOR/DME OR TACAN RWY 34R, Orig

Laurel, MS, Hesler-Noble Field, VOR/DME-A, Amdt 5
Madison, MS, Bruce Campbell Field, VOR-A, Amdt 10, CANCELED
Madison, MS, Bruce Campbell Field, VOR/DME RWY 17, Orig
Madison, MS, Bruce Campbell Field, VOR/DME-B, Amdt 5, CANCELED
Meridian, MS, Key Field, RNAV (GPS) RWY 1, Amdt 3
Meridian, MS, Key Field, RNAV (GPS) RWY 4, Amdt 1
Meridian, MS, Key Field, RNAV (GPS) RWY 19, Amdt 1
Meridian, MS, Key Field, RNAV (GPS) RWY 22, Amdt 1
Dickinson, ND, Dickinson - Theodore Roosevelt Rgnl, RNAV (GPS) RWY 25, Orig
Manville, NJ, Central Jersey Rgnl, RNAV (GPS) RWY 25, Amdt 1C
Toms River, NJ, Ocean County Airport, ILS OR LOC RWY 6, Amdt 2
Toms River, NJ, Ocean County Airport, RNAV (GPS) RWY 6, Orig
Toms River, NJ, Ocean County Airport, RNAV (GPS) RWY 24, Orig
Toms River, NJ, Ocean County Airport, Takeoff Minimums and Obstacle DP, Amdt 1
Toms River, NJ, Ocean County Airport, VOR RWY 6, Amdt 7
Toms River, NJ, Ocean County Airport, VOR/DME RWY 24, Amdt 4
Carlsbad, NM, Cavern City Air Trml, RNAV (GPS) RWY 3, Orig
Carlsbad, NM, Cavern City Air Trml, RNAV (GPS) RWY 14R, Amdt 1
Carlsbad, NM, Cavern City Air Trml, RNAV (GPS) RWY 21, Amdt 1
Eureka, NV, Eureka, MINES ONE, Graphic DP
Eureka, NV, Eureka, RNAV (GPS) RWY 18, Orig
Eureka, NV, Eureka, Takeoff Minimums and Obstacle DP, Orig
Lakeview, OR, Lake County, GPS RWY 34, Orig-A, CANCELED
Lakeview, OR, Lake County, RNAV (GPS) RWY 17, Orig
Lakeview, OR, Lake County, RNAV (GPS) RWY 35, Orig
Lakeview, OR, Lake County, Takeoff Minimums and Obstacle DP, Amdt 3
Scappoose, OR, Scappoose Industrial Airpark, LOC/DME RWY 15, Amdt 3
Sioux Falls, SD, Joe Foss Field, Takeoff Minimums and Obstacle DP, Amdt 8
Mc Minnville, TN, Warren County Memorial, GPS RWY 23, Orig, CANCELED
Mc Minnville, TN, Warren County Memorial, LOC RWY 23, Amdt 1, CANCELED
Mc Minnville, TN, Warren County Memorial, RNAV (GPS) RWY 23, Orig
Galveston, TX, Scholes Intl at Galveston, Takeoff Minimums and Obstacle DP, Amdt 5
Laredo, TX, Laredo Intl, RNAV (GPS) RWY 32, Amdt 1
Laredo, TX, Laredo Intl, RNAV (GPS) RWY 35L, Amdt 2
Plains, TX, Yoakum County, RNAV (GPS) RWY 3, Amdt 1
Plains, TX, Yoakum County, RNAV (GPS) RWY 21, Amdt 1
Waco, TX, Waco Rgnl, RNAV (GPS) RWY 1, Amdt 1A
Tooele, UT, Bolinder Field-TooeleValley, STACO TWO, Graphic DP, CANCELED
Quinton, VA, New Kent County, RNAV (GPS) RWY 11, Amdt 2
Quinton, VA, New Kent County, RNAV (GPS) RWY 29, Amdt 2
Quinton, VA, New Kent County, VOR-A, Amdt 2
Bremerton, WA, Bremerton National, Takeoff Minimums and Obstacle DP, Amdt 4
Spokane, WA, Felts Field, Takeoff Minimums and Obstacle DP, Amdt 6
Marshfield, WI, Marshfield Muni, RNAV (GPS) RWY 5, Orig
Marshfield, WI, Marshfield Muni, RNAV (GPS) RWY 23, Orig

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
ALLAKAKET, AK	ALLAKAKET	22 AUGUST 2013	2

TAKEOFF MINIMUMS:

RWY 5, 23 STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 5 CLIMB HEADING 051.74 TO 1500 BEFORE TURNING LEFT.
RWY 23 CLIMB HEADING 231.77 TO 1300 BEFORE TURNING.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5, TREE 799 FT FROM DER, 606 FT RIGHT OF CENTERLINE, 83 FT AGL/532 FT MSL. TREE 1297 FT FROM DER, 664 FT RIGHT OF CENTERLINE, 85 FT AGL/534 FT MSL. TREE 2007 FT FROM DER, 342 FT RIGHT OF CENTERLINE, 49 FT AGL/498 FT MSL.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 5: 1949 FT MSL AAO 664018.82N-1523007.08W.
RWY 23: 1249 FT MSL AAO 662904.50N-1524439.46W.
4100 FT MSL AAO 665210.19N-1530147.20W.

QUALITY CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
ALLAKAKET, AK	ALLAKAKET	22 AUGUST 2013	2

REMARKS:

40 FT VEGETATION HEIGHT USED PER FPT.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PETE GETZ (NICK PETTIET) AJV-354 1/29/2013

APPROVED BY:

DEB COPELAND AJV-354 JUL 03 2013

COORDINATED WITH:

ALPA, AOPA, NBAA, ZAN, ARPT MGR.

CHANGES:

1. UPDATED TAKEOFF OBSTACLE NOTES WITH NEW AGL VALUES.
2. UPDATED TEXTUAL DEPARTURE PROCEDURE TO REMOVE CLIMB GRADIENT REQUIREMENT FOR ALL RUNWAYS.
3. CHANGED CLIMB TO ALTITUDE RWY5 FROM 3500 TO 1500.
4. CHANGED CLIMB TO ALTITUDE RWY23 FROM 2400 TO 1200.
5. REMOVED VCOA.

REASONS:

1. MAP STUDY SHOWS OBSTACLES WITHIN 400 FT CONTOUR AREA (449 MAX POSSIBLE TERRAIN HEIGHT WITH CONTOUR).
2. CLIMB GRADIENT NOT NEEDED WITH INITIAL STRAIGHT AHEAD CLIMB-TO- ALTITUDE.

3.4.5. NEW CLIMB TO ALTITUDES MEET REQUIREMENTS FOR OCS SLOPE TO CLEAR CONTROLLING OBSTACLE.

QUALITY CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CSPER	RUKIE (FB)	070.82 / 32.00	5400
CHILL	JOVUK (FB)	177.99 / 11.59	7500
JOVUK	WUGVI (FB)	175.72 / 5.35	5700
WUGVI	MITBE (FO)	177.19 / 3.50	4600
RUKIE (IAF)	JOBNO (NOPT) (FB)	023.87 / 3.88	3700
JOBNO	MITBE (FB)	354.44 / 3.72	3000
PELTE (IAF)	PUVPE (NOPT) (FB)	316.85 / 9.09	4500
(SEE FORM 8260-10)			

MISSED APPROACH

LP: RW29
LNAV: RW29

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 3000 DIRECT MITBE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE MITBE, LT, 312.08 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 295.14 FAF: PEREE DIST FAF TO MAP: 5.13 THLD: 5.13
4. MIN. ALT: MITBE 3000, PEREE 1700, YEBUR/3.24 NM TO RW29 1100
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW29 7100

ADDITIONAL FLIGHT DATA:

CHART: 175 KIAS HOLDING AT MITBE.
CHART FAS OBST: 147 TREE 582501N/1354051W
FAS OBST: 399 AAO 582249N/1353835W
CHART: 499 TREE 582228N/1353757W
CHART: 349 TREE 582243N/1353759W
WAAS CHANNEL # 53525
REFERENCE PATH ID: W29B
CHART CIRCLING ICON.
PEREE TO RW29: 3.00/39
CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 210 KIAS.
LTP HAE: 11.6 M

MAG VAR: 20E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	400	1	372	400	1	372	400	1	372	400	1	372			
LNAV MDA	660	1	632	660	1	632	660	1 3/4	632	660	1 3/4	632			
CIRCLING	660	1	625	660	1	625	960	2 3/4	925	1200	3	1165			

NOTES:
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: CIRCLING NA NE OF RWY 11-29
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
(SEE FORM 8260-10)

@ CAT C 1000-2 3/4, CAT D 1200-3

QUALITY 4

CITY AND STATE	ELEVATION: 35 THRE: 28 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Y RWY 29
GUSTAVUS, AK	GUSTAVUS	RNAV	RNAV (GPS) RWY 29, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED 01/10/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PUVPE	MITBE (FB)	316.76 / 9.09	3000
WIVEK (IAF)	HOKUK (NOPT) (FB)	296.73 / 10.29	4400
HOKUK	MITBE (FB)	296.54 / 10.29	3000
BARLO (IAF)	ZIMAR (NOPT) (FB)	227.69 / 16.99	5300
ZIMAR	MITBE (FB)	277.87 / 4.92	3000
MITBE (IF/IAF)	PEREE (FB)	317.04 / 4.50	1700
PEREE (FAF)	YEBUR/3.24 NM TO RW29 (FB)	295.14 / 1.88	
YEBUR/3.24 NM TO RW29	RW29 (MAP) (FO)	295.14 / 3.24	
RW29 (MAP)	1000 MSL	295.14	1000
1000 MSL	MITBE (FO)		3000

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CSPER ON V317, T278 SOUTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PELTE ON V428 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WIVEK ON V317 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CHILL ON B38, V428 NORTHWEST BOUND.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 35 THRE: 28	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Y RWY 29
GUSTAVUS, AK	AIRPORT NAME: GUSTAVUS	RNAV	RNAV (GPS) RWY 29, AMDT 2 22 AUGUST 2013	AMDT: 1
				DATED: 01/10/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAGS
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29B
LTP/FTP LATITUDE	582510.9385N
LTP/FTP LONGITUDE	1354133.0020W
LTP/FTP ELLIPSOIDAL HEIGHT	+00116
FPAP LATITUDE	582613.8195N
FPAP LONGITUDE	1354332.7760W
THRESHOLD CROSSING HEIGHT (TCH)	00038.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0704
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	ED7CF4AB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00085
FPAP ORTHOMETRIC HEIGHT	+00085

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 35 THRE: 28	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Y RWY 29
GUSTAVUS, AK	AIRPORT NAME: GUSTAVUS	RNAV	RNAV (GPS) RWY 29, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED: 01/10/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANEAENRT   BARLO PA0    C   L N58213764W134532128                    E0206     NAR          BARLO
        SCANEAENRT   CHILL PA0    C   L N58365412W135194947                    E0206     NAR          CHILL
        SCANEAENRT   CSPER PA0    C   L N58114447W136383744                    E0204     NAR          CSPER
        SCANEAENRT   HOKUK PA0    W     N58095932W135175606                    E0205     NAR          HOKUK
        SCANEAENRT   JOBNO PA0    C     N58134986W135330615                    E0205     NAR          JOBNO
        SCANEAENRT   JOVUK PA0    W     N58255392W135263807                    E0206     NAR          JOVUK
        SCANEAENRT   MITBE PA0    W     N58172569W135312063                    E0205     NAR          MITBE
        SCANEAENRT   PELTE PA0    C   L N58004533W135174800                    E0204     NAR          PELTE
        SCANEAENRT   PEREE PA0    W     N58213368W135344054                    E0205     NAR          PEREE
        SCANEAENRT   PUVPE PA0    W     N58090569W135243275                    E0205     NAR          PUVPE
        SCANEAENRT   RUKIE PA0    C   L N58110264W135381107                    E0205     NAR          RUKIE
        SCANEAENRT   WIVEK PA0    C   L N58023154W135043704                    E0205     NAR          WIVEK
        SCANEAENRT   WUGVI PA0    W     N58204587W135292302                    E0205     NAR          WUGVI
        SCANEAENRT   YEBUR PA0    W     N58225344W135371172                    E0205     NAR          YEBUR
        SCANEAENRT   ZIMAR PA0    W     N58150822W135230595                    E0205     NAR          ZIMAR

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PAGSPAAGST     0      067YHN58253100W135422670E020000035          1800018000C     MNAR     GUSTAVUS

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PAGSPAFR29   ABARLO 010BARLOPAEA0E  A     IF                                                18000              A JS
        SCANP PAGSPAFR29   ABARLO 020ZIMARPAEA0E     010TF          22770170    + 05300                                    A JS
        SCANP PAGSPAFR29   ABARLO 030MITBEPAEA0EE B 010TF          27790049    + 03000                                    A JS
        SCANP PAGSPAFR29   ACHILL 010CHILLPAEA0E     IF                                                18000              A JS
        SCANP PAGSPAFR29   ACHILL 020JOVUKPAEA0E     020TF          17800116    + 07500                                    A JS
        SCANP PAGSPAFR29   ACHILL 030WUGVIPAEA0E     020TF          17570054    + 05700                                    A JS
        SCANP PAGSPAFR29   ACHILL 040MITBEPAEA0EY    020TF          17720035    + 04600                                    A JS
        SCANP PAGSPAFR29   ACHILL 050MITBEPAEA0EE AL   HF          31210040    + 03000                                    A JS
        SCANP PAGSPAFR29   ACSPER 010CSPERPAEA0E     IF                                                18000              A JS
        SCANP PAGSPAFR29   ACSPER 020RUKIEPAEA0E     020TF          07080320    + 05400                                    A JS
        SCANP PAGSPAFR29   ACSPER 030JOBNOPAEA0E     010TF          02390039    + 03700                                    A JS
        SCANP PAGSPAFR29   ACSPER 040MITBEPAEA0EE B 010TF          35440037    + 03000                                    A JS
        SCANP PAGSPAFR29   APELTE 010PELTEPAEA0E  A     IF                                                18000              A JS
        SCANP PAGSPAFR29   APELTE 020PUVPEPAEA0E     010TF          31690091    + 04500                                    A JS
        SCANP PAGSPAFR29   APELTE 030MITBEPAEA0EE B 010TF          31680091    + 03000                                    A JS
        SCANP PAGSPAFR29   AWIVEK 010WIVEKPAEA0E  A     IF                                                18000              A JS
        SCANP PAGSPAFR29   AWIVEK 020HOKUKPAEA0E     010TF          29670103    + 04400                                    A JS
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CITY AND STATE	ELEVATION: 35 THRE: 28	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) Y RWY 29
GUSTAVUS, AK	AIRPORT NAME: **GUSTAVUS**	**RNAV**	**RNAV (GPS) RWY 29, AMDT 2** 22 AUGUST 2013	AMDT: 1 DATED: 01/10/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

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SCANP PAGSPAFR29   AWIVEK 030MITBEPAEA0EE B 010TF                  29650103    + 03000                          A JS
SCANP PAGSPAFR29   R       010MITBEPAEA0E  I    IF                             + 03000      18000               A JS
SCANP PAGSPAFR29   R       020PEREEPAEA1E  F 051TF                31700045    + 01700                  RW29    PAPGA JS
SCANP PAGSPAFR29   R       020PEREEPAEA2WALP         N          ALNAV                                            JS
SCANP PAGSPAFR29   R       021YEBURPAEA0E S  031TF                29510019    V 0110001118         -300        A JS
SCANP PAGSPAFR29   R       030RW29 PAPG0GY M 031TF                29510032      00067              -300        A JS
SCANP PAGSPAFR29   R       040         0  M     CA                2951        + 01000                          A JS
SCANP PAGSPAFR29   R       050MITBEPAEA0EY  L   DF                           + 03000          210             A-JS
SCANP PAGSPAFR29   R       060MITBEPAEA0EE  L   HM                31210040    + 03000          175             A-JS
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          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SCANP PAGSPAGRW29    0067212950 N58251094W135413300+0100    +00116000280000039150R
```

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          1         2         3         4         5         6         7         8         9         0         1         2         3
PP     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SCANP PAGSPAPR29   RW29 001 0000W29B0N5825109385W13541330020+001160300N5826138195W135433277601067507040003 89F400000ED7CF4AB
       SCANP PAGSPAPR29   RW29 002E      +00085+00085LP        53525
```

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          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SCANP PAGSPASRW29 PAPG              0   18018007125                                                          M
```

4

CITY AND STATE	ELEVATION: 35 THRE: 28	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) Y RWY 29
GUSTAVUS, AK	AIRPORT NAME: GUSTAVUS	RNAV	RNAV (GPS) RWY 29, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED: 01/10/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BARLO	BARLO	010	IAF	IF		FB					
	BARLO	ZIMAR	020		TF		FB	1.0	227.7(247.7T)	017.0	AA 05300	
	BARLO	MITBE	030		TF		FB	1.0	277.9(297.9T)	004.9	AA 03000	
	CHILL	CHILL	010		IF		FB					
	CHILL	JOVUK	020		TF		FB	2.0	178.0(198.0T)	011.6	AA 07500	
	CHILL	WUGVI	030		TF		FB	2.0	175.7(195.7T)	005.4	AA 05700	
	CHILL	MITBE	040		TF		FO	2.0	177.2(197.2T)	003.5	AA 04600	
	CHILL	MITBE	050	IAF	HF	L	FO		312.1(332.1T)	004.0	AA 03000	
	CSPER	CSPER	010		IF		FB					
	CSPER	RUKIE	020		TF		FB	2.0	070.8(090.8T)	032.0	AA 05400	
	CSPER	JOBNO	030		TF		FB	1.0	023.9(043.9T)	003.9	AA 03700	
	CSPER	MITBE	040		TF		FB	1.0	354.4(014.4T)	003.7	AA 03000	
	PELTE	PELTE	010	IAF	IF		FB					
	PELTE	PUVPE	020		TF		FB	1.0	316.9(336.9T)	009.1	AA 04500	
	PELTE	MITBE	030		TF		FB	1.0	316.8(336.8T)	009.1	AA 03000	
	WIVEK	WIVEK	010	IAF	IF		FB					
	WIVEK	HOKUK	020		TF		FB	1.0	296.7(316.7T)	010.3	AA 04400	
	WIVEK	MITBE	030		TF		FB	1.0	296.5(316.5T)	010.3	AA 03000	
		MITBE	010	FACF	IF		FB				AA 03000	
		PEREE	020	FAF	TF		FB	0.5	317.0(337.0T)	004.5	AA 01700	
		YEBUR	021	SDF	TF		FB	0.3	295.1(315.1T)	001.9	AA 01100 GS 01118	
		RW29	030	MAP	TF		FO	0.3	295.1(315.1T)	003.2	AT 00067	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		295.1(315.1T)		AA 01000	
	MITBE	050		DF	L	FO				AA 03000	AB 210
	MITBE	060		HM	L	FO		312.1(332.1T)	004.0	AA 03000	AB 175

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BARLO	N582137.64	W1345321.28	N5821.627	W13453.355
	CHILL	N583654.12	W1351949.47	N5836.902	W13519.825
	CSPER	N581144.47	W1363837.44	N5811.741	W13638.624
	HOKUK	N580959.32	W1351756.06	N5809.989	W13517.934
	JOBNO	N581349.86	W1353306.15	N5813.831	W13533.103
	JOVUK	N582553.92	W1352638.07	N5825.899	W13526.635
	MITBE	N581725.69	W1353120.63	N5817.428	W13531.344
	PELTE	N580045.33	W1351748.00	N5800.756	W13517.800
	PEREE	N582133.68	W1353440.54	N5821.561	W13534.676
	PUVPE	N580905.69	W1352432.75	N5809.095	W13524.546
	RUKIE	N581102.64	W1353811.07	N5811.044	W13538.185

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WIVEK	N580231.54	W1350437.04	N5802.526	W13504.617
WUGVI	N582045.87	W1352923.02	N5820.765	W13529.384
YEBUR	N582253.44	W1353711.72	N5822.891	W13537.195
ZIMAR	N581508.22	W1352305.95	N5815.137	W13523.099
RW29	N582510.94	W1354133.00	N5825.182	W13541.550

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW29	00028	39



U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
JUNEAU	FIVE	JNU5.JNU	FOUR	12/20/2007	8/22/2013

TYPE: OBSTACLE

DP ROUTE DESCRIPTION:

TAKEOFF RWY 08: CLIMBING RIGHT TURN AS SOON AS PRACTICAL. CLIMB IN VISUAL CONDITIONS DIRECT CGL NDB OR HEADING 279 TO I-JDL WEST COURSE/2.00 DME (VISUAL CONDITIONS MUST BE MAINTAINED FROM TAKEOFF UNTIL ESTABLISHED OVER CGL NDB OR I-JDL WEST COURSE/2.00 DME AT OR ABOVE 1000 MSL), THENCE...

TAKEOFF RWY 26: CLIMBING LEFT TURN HEADING 252 TO CGL NDB OR I-JDL WEST COURSE/2.00 DME, THENCE...

...VIA I-JDL WEST COURSE OR 251 BEARING FROM CGL NDB TO BARLO INT/I-JDL 8.00 DME, THENCE VIA (TRANSITION).

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
SQM	JNU5.SQM	BARLO INT	RADKY INT	140.00 HEADING AND SSR R-076	18.43			
		RADKY INT	SQM NDB	134.79 (SQM BRG 314)	110.23	7000		
LVD	JNU5.LVD	BARLO INT	RADKY INT	140.00 HEADING AND SSR R-076	18.43			
		RADKY INT	SQM NDB	134.79 (SQM BRG 314)	110.23	7000		
		SQM NDB	LVD VOR/DME	048.38 &048.39 (SQM BRG 048 & LVD R-228)	0.51	7000		
SSR/EEF	JNU5.SSR	BARLO INT	SSR VORTAC	206.97 (SSR R-027)	16.06	5500		
		BARLO INT	EEF NDB	205.87 (EEF BRG 026	16.32	5500		

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS:
RWY 08: 1000-3 WITH MINIMUM CLIMB FROM 1000 AS STATED PER TRANSITION.
RWY 26: STANDARD WITH MINIMUM CLIMB OF 595 FEET PER NM TO 800, THEN AS STATED PER TRANSITION, OR 600-2 WITH MINIMUM AS STATED PER TRANSITION.
NOTE: SSR/EEF TRANSITION: MINIMUM CLIMB OF 330 FEET PER NM TO 2800. LVD AND SQM TRANSITIONS: MINIMUM CLIMB OF 385 FEET PER NM TO 4600.
NOTE: ADF REQUIRED.
NOTE: OBTAIN ATC APPROVAL FOR THIS PROCEDURE IF NOT ISSUED AS PART OF THE IFR CLEARANCE.
CAUTION: RAPIDLY RISING TERRAIN TO 3000 FT MSL, NORTH, SOUTH AND EAST OF AIRPORT.



GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
JUNEAU	FIVE	JNU5.JNU	FOUR	12/20/2007	8/22/2013

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 26, TREES BEGINNING 1045 FT FROM DER, 37 FT RIGHT OF CENTERLINE, UP TO 148 FT AGL/564 FT MSL. TREES BEGINNING 5682 FT FROM DER, 86 RIGHT OF CENTERLINE, UP TO 148 FT AGL/564 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 67 LEFT OF CENTERLINE, UP TO 148 FT AGL/564 FT MSL. TERRAIN BEGINNING 1.1 NM FROM DER, 229 FT RIGHT OF CENTERLINE, UP TO 462 FT MSL. TERRAIN BEGINNING 1.1 NM FROM DER, 65 FT LEFT OF CENTERLINE, UP TO 462 FT MSL. TOWER LIGHT, 1.2 NM FROM DER, 876 FT RIGHT OF CENTERLINE, 63 FT AGL/588 FT MSL. ANT ON OL TWR, 1.2 NM FROM DER, 881 FT RIGHT OF CENTERLINE, 585 FT MSL. COMM TOWER, 1.2 NM FROM DER, 1874 FT LEFT OF CENTERLINE, 84 FT AGL/ 252 FT MSL. NAVAID, 17 FT FROM DER, 469 FT RIGHT OF CENTERLINE, 23 FT AGL/45 FT MSL. OL AMOM, 20 FT FROM DER, 466 FT RIGHT OF CENTERLINE, 40 FT MSL. POLE, 1.2 FROM DER, 2118 FT RIGHT OF CENTERLINE, 222 FT MSL. POLE, 1.3 NM FROM DER, 1129 FT LEFT OF CENTERLINE, 222 FT MSL.

CONTROLLING OBSTACLES:

RWY 26: 588 FT MSL LIGHT 582156.05N/1343804.43W, 4877 FT MSL AAO 582450.70N/1351403.40W

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART; A15

AIRPORTS SERVED:

JUNEAU INTL	JUNEAU, AK

COMMUNICATIONS:

ATIS, GROUND CONTROL, JUNEAU TOWER, (CTAF), ANCHORAGE ARTCC, JUNEAU RADIO

FIXES AND/OR NAVAIDS:

REMARKS:

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
JUNEAU	FIVE	JNU5.JNU	FOUR	12/20/2007	8/22/2013

FLIGHT INSPECTED BY:
PENDING

REQUIRED EFFECTIVE DATE:
08/22/2013

DEVELOPED BY:
JIMMY S HUGHES AJV-354 03/18/2013

APPROVED BY:
DEBORAH COPELAND AJV-354

JUL 03 2013

COORDINATED WITH:
ATA, ALPA, AOPA, NBAA, JNU FSS, JNU ATCT, ZAN

CHANGES:

1. REMOVED HNS TRANSITION.
2. ALL COURSES, BRG AND RADIALS CHANGED ON ALL FACILITIES (SQM NDB, I-JDL, CGL NDB, EEF NDB, LVD VOR/DME, SSR VORTAC) AND AIRPORT.
3. BARLO TO RADKY DISTANCE CHANGED FROM 21.06 TO 18.46.
4. CHANGED SSR/EEF CLIMB GRADIENT FROM 363 FEET PER NM TO 3100 TO 330 FEET PER NM TO 2800.
5. CHANGED SQM/LVD CLIMB GRADIENT FROM 370 FEET PER NM TO 4900 TO 385 FEET PER NM TO 4600.

REASONS:

1. ATC REQUEST.
2. MAGVAR ROTATION.
3 RADKY MOVED PER ATC REQUEST.
4,5. NEW CALCULATION OF OBSTACLES ON ROUTE.

06/25/2013: THIS IS A CORRECTED COPY OF THE FORM APPROVED 06/04/2013:
1. CHANGED TYPE FROM SID TO OBSTACLE.
2. ADDED NOTE: OBTAIN ATC APPROVAL FOR THIS PROCEDURE IF NOT ISSUED AS PART OF THE IFR CLEARANCE.
3. CHANGED TO HARD DATE.

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LDA STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BERGS/SSR 39.00 DME	SSR VORTAC	101.34 / 39.00	7000
CGL NDB	LYNNS INT/I-JDL 14.00 DME	250.73 / 12.00	7000
SSR VORTAC (IAF)	LYNNS INT/I-JDL 14.00 DME (NOPT)	007.21 / 12.43	5600
EEF NDB (IAF)	LYNNS INT/I-JDL 14.00 DME (NOPT)	006.26 / 12.77	5600
DIBOL INT/I-JDL 18.00 DME	LYNNS INT/I-JDL 14.00 DME (NOPT)	070.78 / 4.00 (I-JDL)	5600
LYNNS INT/I-JDL 14.00 DME (IF/IAF)	BARLO INT/I-JDL 8.00 DME	070.78 / 6.00 (I-JDL)	3700

MISSED APPROACH

MAP: LDA: CGL NDB OR AT I-JDL 2.00 DME FIX

IMMEDIATE CLIMBING RIGHT TURN TO 5600 ON HEADING 310 AND ON CGL NDB BRG-251 TO INTERCEPT SSR VORTAC R-027 DIRECT SSR VORTAC OR EEF NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 347.00 INBOUND.
CHART ARRIVAL HOLDING AT LYNNS: HOLD W, LT, 070.78 INBOUND, AT OR ABOVE 6500.
BARLO TO RW08: 3.69/50.
624 AAO 582207N/1345611W.
FAC CROSSES RWY C/L EXTENDED 1030 FROM THLD.

1. PT L SIDE OF COURSE 250.78 OUTBOUND 6300 FT WITHIN 10 MILES OF LYNNS (IAF)
2.
3. FAC 070.78 FAF BARLO INT/I-JDL 8.00 DME DIST FAF TO MAP THLD 9.22
4. MIN. ALT DIBOL 6300, LYNNS 5600, BARLO 3700
8. MSA FROM: CGL NDB 125-215 5900, 215-305 6500, 305-125 8400

MAG VAR: 20E EPOCH YEAR:2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A # @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-LDA 8	3200	4	3175	3200	4	3175	3200	4	3175	3200	4	3175			
CIRCLING	3200	4	3174	3200	4	3174	3340	4	3314	3640	4	3614			
NIGHT MINIMUMS															
S-LDA 8	3200	4	3175	3200	4	3175	3200	4	3175	3200	4	3175			
CIRCLING	3200	5	3174	3200	10	3174	3340	10	3314	3640	10	3614			

NOTES:

CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
CHART NOTE: CIRCLING NA NORTH OF RWY 8-26.
CHART NOTE: ADF REQUIRED.
CHART PLANVIEW NOTE: ADF OR DME REQUIRED.
(SEE FORM 8260-10)

DAY, 3200-5 ALL CATS
@ NIGHT, CAT A 3200-5, CAT B/C/D 3200-10

QUALITY 3 CHECKED

CITY AND STATE	ELEVATION: 26 THRE: 25 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
JUNEAU, AK	JUNEAU INTL	I-JDL	LDA X RWY 8, AMDT 12, 08/22/2013	AMDT 11B
				DATE 02/14/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LDA STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CAUTION: ANY GO-AROUND AFTER PASSING MAP WILL NOT PROVIDE STANDARD OBSTRUCTION CLEARANCE.
CHART PLANVIEW AND PROFILE NOTE: FLY VISUAL TO AIRPORT, 071 - 3.2 MILES.
CHART PROFILE NOTE: USE I-JDL DME WHEN ON LDA COURSE.
CHART NOTE: WHEN JNUA LEAD-IN LIGHTS ARE NOT VISIBLE AT THE MAP, EXECUTE MISSED APPROACH.

QUALITY 3

CITY AND STATE	ELEVATION: 26 THRE: 25	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JUNEAU, AK	AIRPORT NAME: JUNEAU INTL	I-JDL	LDA X RWY 8, AMDT 12, 08/22/2013	AMDT: 11B
				DATED: 02/14/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EEF NDB	CHILL (FB)	335.13 / 26.80	7500
CHILL	GUMLE (FB)	080.13 / 8.96	7500
SSR VORTAC	NIMLE (FB)	045.77 / 7.21	3400
GUMLE (IAF)	OGEME (FB)	154.72 / 14.00	3400
NIMLE (IAF)	OGEME (FB)	349.81 / 7.93	3400
OGEME (IF)	MENAE (FB)	069.49 / 5.00	2700
MENAE (FAF)	MOLRE (MAP) (FO)	069.62 / 5.83	
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV: MOLRE

CLIMBING LEFT TURN TO 9000 DIRECT MUGGZ AND ON TRACK 281.22 TO CHILL AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9000.

ADDITIONAL FLIGHT DATA:
HOLD NW, LT, 155.13 INBOUND.
FAS OBST: 588 TWR LTD 582156N/1343804W CHART CIRCLING ICON.
FAC CROSSES RWY C/L EXTENDED 142 FROM THLD.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 15.22 DEGREES.
MENAE TO RW08 3.08/50

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT OGEME
3. FAC: 069.62 FAF: MENAE DIST FAF TO MAP: 5.83 THLD: 8.02
4. MIN. ALT: OGEME 3400, MENAE 2700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: MOLRE 8400

MAG VAR: 20E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA *	1880	2	1855	1880	2	1855		NA			NA				
LNAV MDA	2340	3	2315	2340	3	2315		NA			NA				
CIRCLING	2340	3	2314	2340	3	2314		NA			NA				

NOTES:
CHART NOTE: CIRCLING NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
(SEE FORM 8260-10)

QUALITY 3 CHECKED

CITY AND STATE	ELEVATION: 26 THRE: 25 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
JUNEAU, AK	JUNEAU INTL	RNAV	RNAV (GPS) V RWY 8, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED 01/18/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MOLRE (MAP)	426 MSL	069.62	
426 MSL	MUGGZ (FB)		
MUGGZ	CHILL (FO)	281.22/10.71	9000

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: * MISSED APPROACH REQUIRES MINIMUM CLIMB OF 363 FEET PER NM TO 3200.
CHART NOTE: JNUA LEAD-IN LIGHTS NOT ALIGNED WITH FINAL APPROACH COURSE.
CHART NOTE: FOR INOPERATIVE JNUA LEAD-IN LIGHTS, INCREASE VISIBILITY TO 4 MILES.
CHART NOTE: IF JNUA LEAD-IN LIGHTS NOT VISIBLE AT THE MAP, EXECUTE MISSED APPROACH.
CHART PLANVIEW AND PROFILE NOTE: FLY VISUAL TO AIRPORT, 067 DEGREES - 2.19 MILES.
CHART NOTE: CIRCLING NA NORTH OF RWY 8-26.

QUALITY 3 CHECKED

CITY AND STATE	ELEVATION: 26 THRE: 25	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JUNEAU, AK	AIRPORT NAME: JUNEAU INTL	RNAV	RNAV (GPS) V RWY 8, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED: 01/18/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
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NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCAND        SSR   PA011400VTHA N58103958W135153191    N58103958W135153191E0200000402     NARSISTERS ISLAND
          SCANDB       EEF   PA003910H  W N58101548W135152850                        E0200          NARELEPHANT

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCANEAENRT   CHILL PA0    C   L N58365412W135194947                        E0205     NAR          CHILL
          SCANEAENRT   GUMLE PA0    W     N58351869W135025846                        E0206     NAR          GUMLE
          SCANEAENRT   MENAE PA0    W     N58212631W134510230                        E0205     NAR          MENAE
          SCANEAENRT   MOLRE PA0    W     N58212812W134395860                        E0205     NAR          MOLRE
          SCANEAENRT   MUGGZ PA0    W     N58312291W135021843                        E0205     NAR          MUGGZ
          SCANEAENRT   NIMLE PA0    W     N58133615W135030556                        E0204     NAR          NIMLE
          SCANEAENRT   OGEME PA0    W     N58212400W135003171                        E0205     NAR          OGEME

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCANP PAJNPAAJNU     0     089YHN58211790W134343460E020000026         1800018000C    MNAR    JUNEAU INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCANP PAJNPAFR08-V AEEF   010EEF  PADB0N       IF                                                18000              B JS
          SCANP PAJNPAFR08-V AEEF   020CHILLPAEA0E    020TF                    33510268    + 07500                              B JS
          SCANP PAJNPAFR08-V AEEF   030GUMLEPAEA0E  A 020TF                    08010090    + 07500                              B JS
          SCANP PAJNPAFR08-V AEEF   040OGEMEPAEA0EE B 010TF                    15470140    + 03400                              B JS
          SCANP PAJNPAFR08-V ASSR   010SSR  PAD 0V      IF                                                18000              B JS
          SCANP PAJNPAFR08-V ASSR   020NIMLEPAEA0E  A 020TF                    04580072    + 03400                              B JS
          SCANP PAJNPAFR08-V ASSR   030OGEMEPAEA0EE B 010TF                    34980079    + 03400                              B JS
          SCANP PAJNPAFR08-V R      010OGEMEPAEA0E  I    IF                                + 03400    18000                     B JS
          SCANP PAJNPAFR08-V R      020MENAEPAEA1E  F 051TF                    06950050    + 02700                MOLRE PAEAB JS
          SCANP PAJNPAFR08-V R      020MENAEPAEA2WN          N          ALNAV                                                  JS
          SCANP PAJNPAFR08-V R      030MOLREPAEA0EY M 031TF                    06960058      00075          -308               B JS
          SCANP PAJNPAFR08-V R      040         0  M     CA                    0696        + 00426                              B JS
          SCANP PAJNPAFR08-V R      050MUGGZPAEA0E       DF                                                                   B JS
          SCANP PAJNPAFR08-V R      060CHILLPAEA0EY   010TF                    2812        + 09000                              B JS
          SCANP PAJNPAFR08-V R      070CHILLPAEA0EE  L   HM                    15510070    + 09000                              B JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
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CITY AND STATE	ELEVATION: 26 THRE: 25	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JUNEAU, AK	AIRPORT NAME: **JUNEAU INTL**	**RNAV**	**RNAV (GPS) V RWY 8, AMDT 2** 22 AUGUST 2013	AMDT: **1** DATED: **01/18/2007**

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      SCANP PAJNPAGRW08     0089770848 N58212633W134353532+0000     +0009700025012050150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
      ------------------------------------------------------------------------------------------------------------------------------
      SCANP PAJNPASMOLREPAEA               0    18018008425                                                                  M
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CITY AND STATE	ELEVATION: 26 THRE: 25	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JUNEAU, AK	AIRPORT NAME: JUNEAU INTL	RNAV	RNAV (GPS) V RWY 8, AMDT 2 22 AUGUST 2013	AMDT: 1
				DATED: 01/18/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	EEF	EEF	010		IF		FB					
	EEF	CHILL	020		TF		FB	2.0	335.1(355.1T)	026.8	AA 07500	
	EEF	GUMLE	030	IAF	TF		FB	2.0	080.1(100.1T)	009.0	AA 07500	
	EEF	OGEME	040		TF		FB	1.0	154.7(174.7T)	014.0	AA 03400	
	SSR	SSR	010		IF		FB					
	SSR	NIMLE	020	IAF	TF		FB	2.0	045.8(065.8T)	007.2	AA 03400	
	SSR	OGEME	030		TF		FB	1.0	349.8(009.8T)	007.9	AA 03400	
		OGEME	010	FACF	IF		FB				AA 03400	
		MENAE	020	FAF	TF		FB	0.5	069.5(089.5T)	005.0	AA 02700	
		MOLRE	030	MAP	TF		FO	0.3	069.6(089.6T)	005.8	AT 00075	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		069.6(089.6T)		AA 00426	
	MUGGZ	050		DF		FB					
	CHILL	060		TF		FO	1.0	281.2(301.2T)		AA 09000	
	CHILL	070		HM	L	FO		155.1(175.1T)	007.0	AA 09000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SSR	N581039.58	W1351531.91	N5810.660	W13515.532
	EEF	N581015.48	W1351528.50	N5810.258	W13515.475
	CHILL	N583654.12	W1351949.47	N5836.902	W13519.825
	GUMLE	N583518.69	W1350258.46	N5835.312	W13502.974
	MENAE	N582126.31	W1345102.30	N5821.439	W13451.038
	MOLRE	N582128.12	W1343958.60	N5821.469	W13439.977
	MUGGZ	N583122.91	W1350218.43	N5831.382	W13502.307
	NIMLE	N581336.15	W1350305.56	N5813.603	W13503.093
	OGEME	N582124.00	W1350031.71	N5821.400	W13500.529
	RW08	N582126.33	W1343535.32	N5821.439	W13435.589

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00025	50

CITY AND STATE	ELEVATION: **26** **THRE: 25**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JUNEAU, AK	AIRPORT NAME: **JUNEAU INTL**	**RNAV**	**RNAV (GPS) V RWY 8, AMDT 2** 22 AUGUST 2013	AMDT: **1**
				DATED: **01/18/2007**

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZEREL (IF/IAF)	OJURA (FB)	174.34 / 5.00	1700
OJURA (FAF)	RW17 (MAP) (FO)	174.33 / 5.12	
RW17 (MAP)	448 MSL	174.33	
448 MSL	UNAWO (FO)		2600

MISSED APPROACH

LNAV: RW17

CLIMB TO 2600 DIRECT UNAWO AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 354.28 INBOUND.
FAS OBST: 227 AAO 605242N/1623224W
OJURA TO RW17: 3.00/40.
CHART BETHEL AWOS-3.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N ZEREL, RT, 174.34 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 174.33 FAF: OJURA DIST FAF TO MAP: 5.12 THLD: 5.12
4. MIN. ALT: ZEREL 2500, OJURA 1700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM: ____

MAG VAR: 12E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	640	1	612	640	1	612		NA			NA				
CIRCLING	720	1	672	720	1	672		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: USE BETHEL ALTIMETER SETTING, WHEN NOT RECEIVED, PROCEDURE NA.

CITY AND STATE	ELEVATION: 48 THRE: 28	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
KASIGLUK, AK	AIRPORT NAME: KASIGLUK	RNAV	RNAV (GPS) RWY 17, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
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TAA

	FROM	TO	ALT
1.	084/30 CW 264/30 (NOPT)	ZEREL (IF/IAF) (FB)	2500
2.	264/30 CW 084/30	ZEREL (IF/IAF) (FO)	2500

CITY AND STATE	ELEVATION: 48 THRE: 28	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
KASIGLUK, AK	AIRPORT NAME: KASIGLUK	RNAV	RNAV (GPS) RWY 17, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCANEAENRT   OJURA PA0    W     N60574350W162301483                E0130     NAR          OJURA
          SCANEAENRT   UNAWO PA0    W     N60415200W162335007                E0129     NAR          UNAWO
          SCANEAENRT   ZEREL PA0    W     N61024055W162290690                E0130     NAR          ZEREL

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCANP PFKAPAAZ09     0     030YSN60522400W162312750E012000048        1800018000C    MNAR    KASIGLUK

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCANP PFKAPAFR17   AZEREL 010ZERELPAEA0EE AR   HF                  17430040    + 02500     18000              B JS
          SCANP PFKAPAFR17   R      010ZERELPAEA0E  I    IF                              + 02500     18000              B JS
          SCANP PFKAPAFR17   R      020OJURAPAEA1E  F 051TF                  17430050    + 01700                   PA  B JS
          SCANP PFKAPAFR17   R      020OJURAPAEA2WN         N         ALNAV                                           JS
          SCANP PFKAPAFR17   R      030RW17 PAPG0GY M 031TF                  17430051      00068          -300        B JS
          SCANP PFKAPAFR17   R      040         0  M     CA                  1743        + 00448                   B JS
          SCANP PFKAPAFR17   R      050UNAWOPAEA0EY       DF                              + 02600                   B JS
          SCANP PFKAPAFR17   R      060UNAWOPAEA0EE  R    HM                  35430040    + 02600                   B JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
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CITY AND STATE	ELEVATION: 48 THRE: 28	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KASIGLUK, AK	AIRPORT NAME: KASIGLUK	RNAV	RNAV (GPS) RWY 17, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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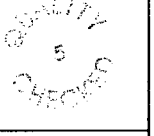
ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ZEREL	ZEREL	010	IAF	HF	R	FO		174.3(186.3T)	004.0	AA 02500	
		ZEREL	010	FACF	IF		FB				AA 02500	
		OJURA	020	FAF	TF		FB	0.5	174.3(186.3T)	005.0	AA 01700	
		RW17	030	MAP	TF		FO	0.3	174.3(186.3T)	005.1	AT 00068	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		174.3(186.3T)		AA 00448	
	UNAWO	050		DF		FO				AA 02600	
	UNAWO	060		HM	R	FO		354.3(006.3T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OJURA	N605743.50	W1623014.83	N6057.725	W16230.247
	UNAWO	N604152.00	W1623350.07	N6041.867	W16233.835
	ZEREL	N610240.55	W1622906.90	N6102.676	W16229.115
	RW17	N605238.72	W1623124.15	N6052.645	W16231.403

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00028	40



CITY AND STATE	ELEVATION: 48 THRE: 28 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KASIGLUK, AK	KASIGLUK	RNAV	RNAV (GPS) RWY 17, ORIG 22 AUGUST 2013	AMDT: NONE DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UNAWO (IF/IAF)	XIRNY (FB)	354.28 / 5.00	1800
XIRNY (FAF)	RW35 (MAP) (FO)	354.29 / 5.38	
RW35 (MAP)	448 MSL	354.29	
448 MSL	ZEREL (FO)		2500

MISSED APPROACH

LNAV: RW35

CLIMB TO 2500 DIRECT ZEREL AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 174.34 INBOUND.
FAS OBST: 253 AAO 605200N/1623224W
XIRNY TO RW35: 3.00/40.
CHART BETHEL AWOS-3.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S UNAWO, RT, 354.28 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 354.29 FAF: XIRNY DIST FAF TO MAP: 5.38 THLD: 5.38
4. MIN. ALT: UNAWO 2600, XIRNY 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 12E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	680	1	632	680	1	632		NA			NA				
CIRCLING	720	1	672	720	1	672		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: USE BETHEL ALTIMETER SETTING, WHEN NOT RECEIVED, PROCEDURE NA.

CITY AND STATE	ELEVATION: 48 THRE: 48	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
KASIGLUK, AK	AIRPORT NAME: KASIGLUK	RNAV	RNAV (GPS) RWY 35, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TAA

	FROM	TO	ALT
1.	264/30 CW 084/30 (NOPT)	UNAWO (IF/IAF) (FB)	2600
2.	084/30 CW 264/30	UNAWO (IF/IAF) (FO)	2600

QUALITY CHECKED

CITY AND STATE	ELEVATION: 48 THRE: 48	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
KASIGLUK, AK	AIRPORT NAME: KASIGLUK	RNAV	RNAV (GPS) RWY 35, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANEAENRT   UNAWO PA0    W     N60415200W162335007                    E0129     NAR          UNAWO
        SCANEAENRT   XIRNY PA0    W     N60464956W162324313                    E0129     NAR          XIRNY
        SCANEAENRT   ZEREL PA0    W     N61024055W162290690                    E0130     NAR          ZEREL

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PFKAPAAZ09     0     030YSN60522400W162312750E012000048         1800018000C    MNAR    KASIGLUK

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PFKAPAFR35   AUNAWO 010UNAWOPAEA0EE AR   HF                    35430040    + 02600     18000                B JS
        SCANP PFKAPAFR35   R      010UNAWOPAEA0E  I    IF                                + 02600     18000                B JS
        SCANP PFKAPAFR35   R      020XIRNYPAEA1E  F 051TF                    35430050    + 01800                      PA  B JS
        SCANP PFKAPAFR35   R      020XIRNYPAEA2WN         N          ALNAV                                                 JS
        SCANP PFKAPAFR35   R      030RW35 PAPG0GY M 031TF                    35430054      00088             -300         B JS
        SCANP PFKAPAFR35   R      040         0  M     CA                    3543        + 00448                        B JS
        SCANP PFKAPAFR35   R      050ZERELPAEA0EY      DF                              + 02500                        B JS
        SCANP PFKAPAFR35   R      060ZERELPAEA0EE  R   HM                    17430040    + 02500                        B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PFKAPAGRW35    0030003543 N60520935W162313081-0700    +0025500048000040060R
```

CITY AND STATE	ELEVATION: 48 THRE: 48	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KASIGLUK, AK	AIRPORT NAME: KASIGLUK	RNAV	RNAV (GPS) RWY 35, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	UNAWO	UNAWO	010	IAF	HF	R	FO		354.3(006.3T)	004.0	AA 02600	
		UNAWO	010	FACF	IF		FB				AA 02600	
		XIRNY	020	FAF	TF		FB	0.5	354.3(006.3T)	005.0	AA 01800	
		RW35	030	MAP	TF		FO	0.3	354.3(006.3T)	005.4	AT 00088	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		354.3(006.3T)		AA 00448	
	ZEREL	050		DF		FO				AA 02500	
	ZEREL	060		HM	R	FO		174.3(186.3T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	UNAWO	N604152.00	W1623350.07	N6041.867	W16233.835
	XIRNY	N604649.56	W1623243.13	N6046.826	W16232.719
	ZEREL	N610240.55	W1622906.90	N6102.676	W16229.115
	RW35	N605209.35	W1623130.81	N6052.156	W16231.514

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	00048	40

CITY AND STATE	ELEVATION: 48 THRE: 48	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KASIGLUK, AK	AIRPORT NAME: KASIGLUK	RNAV	RNAV (GPS) RWY 35, ORIG 22 AUGUST 2013	AMDT: NONE DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
KASIGLUK, AK	KASIGLUK	22 AUGUST 2013	ORIG

TAKEOFF MINIMUMS:

RWY 17, 35 STANDARD

TEXTUAL DEPARTURE PROCEDURES:

RWY 17 – CLIMB HEADING 174.31 TO 800 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 35, BUSH 13 FT FROM DER, 52 FT LEFT OF CENTERLINE, 6 FT AGL/31 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 17 – 403 FT MSL WINDMILL 605012.58N/1623347.99W.

REMARKS:

QUALITY 5

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
KASIGLUK, AK	KASIGLUK	22 AUGUST 2013	ORIG

FLIGHT INSPECTED BY:

John D. Jeffers 8/27/13

REQUIRED EFFECTIVE DATE:

DEVELOPED BY:

GEORGETTE P. BARNETT AJV-352 06/20/2012

APPROVED BY:

DEZ SILAGYI AJV-354 JUL 02 2013

COORDINATED WITH:

AOPA, NBAA, ZAN, AMGR, ENA FSS

CHANGES:

REASONS:

EFFECTIVE CONCURRENT WITH: AIRSPACE DOCKET #12-AAL-6

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BIORKA	TWO	BKA2.BKA	ONE	07/25/2006	08/22/2013

TYPE: OBSTACLE

DP ROUTE DESCRIPTION:

TAKEOFF RWY 11: CLIMBING RIGHT TURN HEADING 223.00 TO MEA FOR DIRECTION OF FLIGHT TO INTERCEPT BKA VORTAC R-350 TO BKA VORTAC OR SIT NDB 175 COURSE TO SIT NDB, OR FOR CLIMB IN VISUAL CONDITIONS: CROSS SITKA ROCKY GUTIERREZ AIRPORT AT OR ABOVE 3700 THEN CONTINUE CLIMB TO MEA FOR DIRECTION OF FLIGHT DIRECT BKA VORTAC OR SIT NDB. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

TAKEOFF RWY 29: CLIMBING LEFT TURN TO MEA FOR DIRECTION OF FLIGHT DIRECT BKA VORTAC OR SIT NDB, OR FOR CLIMB IN VISUAL CONDITIONS: CROSS SITKA ROCKY GUTIERREZ AIRPORT AT OR ABOVE 3700 THEN CONTINUE CLIMB TO MEA FOR DIRECTION OF FLIGHT DIRECT BKA VORTAC OR SIT NDB. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS: RWY 11, STANDARD WITH THE FOLLOWING MINIMUM CLIMB REQUIREMENTS: 180 KTS OR LESS, 390 FT PER NM TO 1600; MORE THAN 180 KTS, 640 FEET PER NM TO 3400, OR 3800-3 FOR CLIMB IN VISUAL CONDITIONS.
RWY 29, STANDARD WITH MINIMUM CLIMB OF 233 FEET PER NM TO 1000, OR 3800-3 FOR CLIMB IN VISUAL CONDITIONS.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 11, MULTIPLE TREES BEGINNING 1599 FT FROM DER, 777 FT RIGHT OF CENTERLINE, UP TO 89 FT AGL/114 FT MSL, MULTIPLE TREES BEGINNING 2087 FT FROM DER, 493 FT RIGHT OF CENTERLINE, UP TO 122 FT AGL/ 142 FT MSL, MULTIPLE TREES BEGINNING 2235 FT FROM DER 752 FT LEFT OF CENTERLINE, UP TO 96 FT AGL/128 FT MSL. MULTIPLE TREES BEGINNING 3871 FT FROM DER/ 529 FT LEFT OF CENTERLINE UP TO 178 FT AGL/ 217 FT MSL. MULTIPLE TREES BEGINNING 5319 FT FROM DER, 1266 FT RIGHT OF CENTERLINE, UP TO 152 FT AGL/172 FT MSL. TREES BEGINNING 1.0 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 145 FT AGL/184 FT MSL.
NOTE: RWY 29, BUSH, LTD NAVAID BEGINNING 3 FT FROM DER, 111 FT LEFT OF CENTERLINE, UP TO 5 FT AGL/26 FT MSL, MULTIPLE SIGNS, BUSHES, LTD WINDSOCKS, BEGINNING 26 FT FROM DER, 372 FT RIGHT OF CENTERLINE, UP TO 28 FT AGL/ 45 FT MSL, TREES BEGINNING 323 FT FROM DER, 504 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/64 FT MSL.

CONTROLLING OBSTACLES:

RWY 11: 2556 FT MSL TERRAIN 565712.75N/1351929.12W, 999 FT MSL AAO 565820.80N/1351944.27W.
RWY 29: 699 MSL AAO 570603.79N/1352701.62W.
VCOA: 3376 MSL TREE 570541.04N/1351936.25W.
OBSTACLE MANDATING ROUTE DEVELOPMENT: 3376 MSL TREE 570541.04N/1351936.25W.

LOST COMMUNICATIONS PROCEDURES:

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BIORKA	TWO	BKA2.BKA	ONE	07/25/2006	08/22/2013

ADDITIONAL FLIGHT DATA:

CHART: WARNING: HIGH TERRAIN ALL QUADRANTS, MT. EDGECUMBE 3201 FT, 13 NM SW OF SITKA.
REFERENCE MAG VAR: PASI 20E EPOCH YR: 2015, BKA VORTAC 20E EPOCH YR: 2015, SIT NDB 20E EPOCH YR: 2015

AIRPORTS SERVED:

SITKA ROCKY GUTIERREZ	SITKA, AK

COMMUNICATIONS:

ZAN, SITKA FSS, CTAF

FIXES AND/OR NAVAIDS:

REMARKS:

QUALITY CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BIORKA	TWO	BKA2.BKA	ONE	07/25/2006	08/22/2013

FLIGHT INSPECTED BY:
HARD DATE

REQUIRED EFFECTIVE DATE:
08/22/2013

DEVELOPED BY:
VICTOR B. NASO AJV-354 03/08/2013

APPROVED BY:
DEBORAH L. COPELAND AJV-354 JUN 20 2013

COORDINATED WITH:

CHANGES:

1. DP ROUTE DESCRIPTION CHANGE: TAKEOFF RWY 11: CHANGED FROM ...HEADING 220.00... TO: ...HEADING 223.00...
2. ADDITIONAL INSTRUCTION ADDED TO DP ROUTE DESCRIPTION: ... WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.
3. CLIMB IN HOLDING PATTERNS REMOVED
4. TAKEOFF OBSTACLES UPDATED.
5. CONTROLLING OBSTACLES UPDATED.
6. MAGVARS UPDATED: FROM: PASI – FROM; E23/EPOCH YEAR 2005, TO: E20/EPOCH YEAR 2015, BKA VORTAC – FROM; E28/EPOCH YEAR 1980, TO: E20/EPOCH YEAR 2015, SIT NDB – FROM: E28/EPOCH YEAR 1980, TO: E20/EPOCH YEAR 2015.
7. RAISED RWY 29 CG/CEILING FROM 221'/NM TO 900 TO 233'/NM TO 1000.

REASONS:

1. UPDATED MAGVAR FOR EPOCH YEAR 2015 FOR SE ALASKA.
2. IAW 8260.46.
3. ATC REQUEST
4. NEW/UPDATED SURVEY DATA.
5. NEW/UPDATE SURVEY DATA.
6. IAW 8260.19E, CHAPTER 2, SECTION 5.
7. NEW CONTROLLING OBSTRUCTIONS AND UPDATED CRITERIA.

06/18/2013: THIS IS CORRECTED COPY OF THE FORM APPROVED 03/08/2013:
1. CHANGED UNDER AIRPORTS SURVED: CITY FROM: SIDKA, TO: SITKA.

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

DF STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE -

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 22 AUGUST 2013

QUALITY

CITY AND STATE	ELEVATION: 21 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
SITKA, AK	AIRPORT NAME: **SITKA ROCKY GUTIERREZ**	**BKA**	**DF-A, ORIG, 11/25/1987**	AMDT **NONE**
				DATE

FAA FORM 8260-5 / April 2006 (computer generated)

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SALIS	HESOK (FO)	096.18 / 23.21	5500
BKA VORTAC	HESOK (FO)	330.32 / 21.58	4700
HESOK (IF/IAF)	TIPEH (FB)	115.28 / 6.01	2500
TIPEH (FAF)	ILWAF/3.68 NM TO WEGWI (FB)	115.39 / 3.29	
ILWAF/3.68 NM TO WEGWI	WEGWI (MAP) (FO)	115.39 / 3.68	
WEGWI (MAP)	426 MSL	115.39	
426 MSL	BKA VORTAC (FO)		5000

MISSED APPROACH

LNAV: WEGWI
LP: WEGWI

CLIMBING RIGHT TURN TO 5000 DIRECT BKA VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW HESOK, RT, 115.28 INBOUND, 3900 FT. IN LIEU OF PT (IAF)
3. FAC: 115.39 FAF: TIPEH DIST FAF TO MAP: 6.97 THLD: 7.47
4. MIN. ALT: HESOK 3900, TIPEH 2500, ILWAF/3.68 NM TO WEGWI 1540
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM: WEGWI 6600

ADDITIONAL FLIGHT DATA:

HOLD S, LT, 009.00 INBOUND.
CHART FAS OBST: 347 TREE 570441N/1352441W
FAS OBST: 1099 AAO 570627N/1352720W
CHART VDP AT 1.58 MILES TO WEGWI

WAAS CHANNEL # 56632
REFERENCE PATH ID: W11A
CHART CIRCLING ICON.
ILWAF TO RW11: 3.31/50
LTP HAE: 7.9 M

MAG VAR: 20E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	740	1	716	740	1	716	740	2	716	740	2	716			
LNAV MDA	1540	1 1/4	1516	1540	1 1/2	1516	1540	3	1516	1540	3	1516			
CIRCLING	1540	1 1/4	1514	1540	1 1/2	1514	1540	3	1514	1760	3	1734			

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: CIRCLING NA NORTHEAST OF RWY 11-29.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

@ CAT A, B 1600-2, CAT C 1600-3, CAT D 1800-3

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 26 THRE: 24 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SITKA, AK	SITKA ROCKY GUTIERREZ	RNAV	RNAV (GPS) RWY 11, AMDT 1, 08/22/2013	AMDT: ORIG
				DATED 08/03/2006

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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QUALITY 3 CHECKED

CITY AND STATE	ELEVATION: 26 THRE: 24 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SITKA, AK	SITKA ROCKY GUTIERREZ	RNAV	RNAV (GPS) RWY 11, AMDT 1 8/22/2013	AMDT: ORIG
				DATED: 08/03/2006

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PASI
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	570312.5115N
LTP/FTP LONGITUDE	1352222.9120W
LTP/FTP ELLIPSOIDAL HEIGHT	+00079
FPAP LATITUDE	570209.0630N
FPAP LONGITUDE	1352028.6530W
THRESHOLD CROSSING HEIGHT (TCH)	00049.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.31
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0672
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	2D4BDAB1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00074
FPAP ORTHOMETRIC HEIGHT	+00074

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCAND        BKA   PA011380VTHA N56513387W135330472    N56513387W135330472E0200002602     NARBIORKA ISLAND

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANEAENRT   HESOK PA0    W     N57124713W135394506                    E0201     NAR          HESOK
        SCANEAENRT   ILWAF PA0    W     N57061114W135274544                    E0200     NAR          ILWAF
        SCANEAENRT   SALIS PA0    C   L N57230602W136180353                    E0200     NAR          SALIS
        SCANEAENRT   TIPEH PA0    W     N57083135W135315952                    E0200     NAR          TIPEH
        SCANEAENRT   WEGWI PA0    W     N57033387W135230141                    E0200     NAR          WEGWI

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PASIPAASIT     0     068YHN57024970W135214170E020000026         1800018000C    MNAR    SITKA ROCKY GUTIERREZ

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PASIPAFR11   ABKA   010BKA  PAD 0V       IF                                                18000                A JS
        SCANP PASIPAFR11   ABKA   020HESOKPAEA0EY   020TF                    33030216    + 04700                                A JS
        SCANP PASIPAFR11   ABKA   030HESOKPAEA0EE AR   HF                    11530040    + 03900                                A JS
        SCANP PASIPAFR11   ASALIS 010SALISPAEA0E       IF                                                18000                A JS
        SCANP PASIPAFR11   ASALIS 020HESOKPAEA0EY   020TF                    09620232    + 05500                                A JS
        SCANP PASIPAFR11   ASALIS 030HESOKPAEA0EE AR   HF                    11530040    + 03900                                A JS
        SCANP PASIPAFR11   R      010HESOKPAEA0E  I    IF                                + 03900     18000                      A JS
        SCANP PASIPAFR11   R      020TIPEHPAEA1E  F 051TF                    11530060    + 02500                 WEGWI PAEAA JS
        SCANP PASIPAFR11   R      020TIPEHPAEA2WALP          N        ALNAV                                                    JS
        SCANP PASIPAFR11   R      021ILWAFPAEA0E S  031TF                    11540033    V 0154001544        -331                A JS
        SCANP PASIPAFR11   R      030WEGWIPAEA0EY M 031TF                    11540037      00740             -331                A JS
        SCANP PASIPAFR11   R      040         0  M     CA                    1154        + 00426                               A JS
        SCANP PASIPAFR11   R      050BKA  PAD 0VY  R   DF                                + 05000                               A JS
        SCANP PASIPAFR11   R      060BKA  PAD 0VE  L   HM                    00900050    + 05000                               A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PASIPAGRW11    0068201155 N57031251W135222291+0000    +0007900024000050150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

CITY AND STATE	ELEVATION: 26 THRE: 24	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SITKA, AK	AIRPORT NAME: **SITKA ROCKY GUTIERREZ**	**RNAV**	**RNAV (GPS) RWY 11, AMDT 1** 8/22/2013	AMDT: **ORIG**
				DATED: **08/03/2006**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
SCANP PASIPAPR11   RW11 001 0000W11A0N5703125115W13522229120+000790331N5702090630W135202865301067506720000498F4000002D4BDAB1
SCANP PASIPAPR11   RW11 002E      +00074+00074LP        56632

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
SCANP PASIPASWEGWIPAEA              0   18018006625                                                                          M
```

CITY AND STATE	ELEVATION: 26 THRE: 24 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SITKA, AK	SITKA ROCKY GUTIERREZ	RNAV	RNAV (GPS) RWY 11, AMDT 1 8/22/2013	AMDT: ORIG
				DATED: 08/03/2006

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

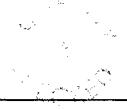
ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BKA	BKA	010		IF		FB					
	BKA	HESOK	020		TF		FO	2.0	330.3(350.3T)	021.6	AA 04700	
	BKA	HESOK	030	IAF	HF	R	FO		115.3(135.3T)	004.0	AA 03900	
	SALIS	SALIS	010		IF		FB					
	SALIS	HESOK	020		TF		FO	2.0	096.2(116.2T)	023.2	AA 05500	
	SALIS	HESOK	030	IAF	HF	R	FO		115.3(135.3T)	004.0	AA 03900	
		HESOK	010	FACF	IF		FB				AA 03900	
		TIPEH	020	FAF	TF		FB	0.5	115.3(135.3T)	006.0	AA 02500	
		ILWAF	021	SDF	TF		FB	0.3	115.4(135.4T)	003.3	AA 01540 GS 01544	
		WEGWI	030	MAP	TF		FO	0.3	115.4(135.4T)	003.7	AT 00740	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		115.4(135.4T)		AA 00426	
	BKA	050		DF	R	FO				AA 05000	
	BKA	060		HM	L	FO		009.0(029.0T)	005.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BKA	N565133.87	W1353304.72	N5651.565	W13533.079
	HESOK	N571247.13	W1353945.06	N5712.786	W13539.751
	ILWAF	N570611.14	W1352745.44	N5706.186	W13527.757
	SALIS	N572306.02	W1361803.53	N5723.100	W13618.059
	TIPEH	N570831.35	W1353159.52	N5708.523	W13531.992
	WEGWI	N570333.87	W1352301.41	N5703.565	W13523.024
	RW11	N570312.51	W1352222.91	N5703.209	W13522.382

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW11	00024	50



CITY AND STATE	ELEVATION: 26 THRE: 24	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SITKA, AK	AIRPORT NAME: SITKA ROCKY GUTIERREZ	RNAV	RNAV (GPS) RWY 11, AMDT 1 8/22/2013	AMDT: ORIG
				DATED: 08/03/2006

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SAYOP (IAF)	FACAD (NOPT) (FB)	084.54 / 8.00	2600
WOKEL (IAF)	FACAD (NOPT) (FB)	323.82 / 8.00	2600
FACAD (IF/IAF)	ROHAN (FB)	024.72 / 8.00	1700
ROHAN (FAF)	RW02 (MAP) (FO)	024.88 / 5.14	
RW02 (MAP)	600 MSL	024.88	600
600 MSL	FACAD (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW02

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT FACAD AND HOLD.

ADDITIONAL FLIGHT DATA:
FAS OBST: 200 SHIP 592630N/1394600W
DISTANCE TO THLD FROM 250 HATH: 0.64 NM.
WAAS CHANNEL # 78414
REFERENCE PATH ID: W02A
CHART CIRCLING ICON
LTP HAE: 13 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW FACAD, RT, 024.72 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 024.88 FAF: ROHAN DIST FAF TO MAP: 5.14 THLD: 5.14
4. MIN. ALT: FACAD 2600, ROHAN 1700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1700 GS ALT AT: ROHAN 1700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM: ____

MAG VAR: 20E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	268	1	250	268	1	250	268	1	250	268	1	250			
LNAV/VNAV DA	508	1 5/8	490	508	1 5/8	490	508	1 5/8	490	508	1 5/8	490			
LNAV MDA	460	1	442	460	1	442	460	1 3/8	442	460	1 3/8	442			
CIRCLING	500	1	467	520	1	487	620	1 1/2	587	720	2 1/4	687			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). @ CAT D 800-2 1/4
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 18 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
YAKUTAT, AK	YAKUTAT	RNAV	RNAV (GPS) RWY 2, AMDT 3 22 AUGUST 2013	AMDT: 2 DATED 01/13/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, ex cept HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, ex cept visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: RWY 2 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.
CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 210 KIAS.

TAA

	FROM	TO	ALT
1.	324/30 CW 085/30 (NOPT)	324/22 CW 085/22	3200
2.	324/22 CW 085/22	FACAD (IF/IAF) (FB)	2600
3.	085/30 CW 205/30	085/22 CW 205/22	7800
4.	085/22 CW 205/22	SAYOP (IAF) (FB)	2600
5.	205/30 CW 324/30	205/20 CW 324/20	7800
6.	205/20 CW 324/20	WOKEL (IAF) (FB)	2600

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 18 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
YAKUTAT, AK	YAKUTAT	RNAV	RNAV (GPS) RWY 2, AMDT 3 22 AUGUST 2013	AMDT: 2 DATED: 01/13/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAYA
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	592956.2490N
LTP/FTP LONGITUDE	1394046.5120W
LTP/FTP ELLIPSOIDAL HEIGHT	+00130
FPAP LATITUDE	593059.0970N
FPAP LONGITUDE	1393842.8915W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1200
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	8278BF9A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00055
FPAP ORTHOMETRIC HEIGHT	+00055

QUALITY A

CITY AND STATE	ELEVATION: 33 THRE: 18	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
YAKUTAT, AK	AIRPORT NAME: YAKUTAT	RNAV	RNAV (GPS) RWY 2, AMDT 3 22 AUGUST 2013	AMDT: 2 DATED: 01/13/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANEAENRT   FACAD PA0    W     N59203870W139585487                    E0201     NAR           FACAD
        SCANEAENRT   ROHAN PA0    W     N59261844W139475346                    E0202     NAR           ROHAN
        SCANEAENRT   SAYOP PA0    W     N59223981W140140222                    E0201     NAR           SAYOP
        SCANEAENRT   WOKEL PA0    W     N59125894W139543370                    E0201     NAR           WOKEL

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PAYAPAAYAK      0     077YHN59301190W139393690E020000033          1800018000C    MNAR     YAKUTAT

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PAYAPAFR02   AFACAD 010FACADPAEA0EE AR   HF                     02470040    + 02600     18000                A JS
        SCANP PAYAPAFR02   ASAYOP 010SAYOPPAEA0E  A    IF                                         18000                A JS
        SCANP PAYAPAFR02   ASAYOP 020FACADPAEA0EE B 010TF                     08450080    + 02600                          A JS
        SCANP PAYAPAFR02   AWOKEL 010WOKELPAEA0E  A    IF                                         18000                A JS
        SCANP PAYAPAFR02   AWOKEL 020FACADPAEA0EE B 010TF                     32380080    + 02600                          A JS
        SCANP PAYAPAFR02   R      010FACADPAEA0E  I    IF                                 + 02600     18000                A JS
        SCANP PAYAPAFR02   R      020ROHANPAEA1E  F 051TF                     02470080    + 01700                          A JS
        SCANP PAYAPAFR02   R      020ROHANPAEA2WALPV       ALNAV/VNAV ALNAV                                                 JS
        SCANP PAYAPAFR02   R      030RW02 PAPG0GY M 031TF                     02490051      00063           -300           A JS
        SCANP PAYAPAFR02   R      040         0  M     CA                     0249        + 00600                          A JS
        SCANP PAYAPAFR02   R      050FACADPAEA0EY  R   DF                                 + 03000                          A JS
        SCANP PAYAPAFR02   R      060FACADPAEA0EE  R   HM                     02470040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PAYAPAGRW02    0064750250 N59295625W139404651+0200    +00130000l8138845150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PAYAPAPR02   RW02 001 0000W02A0N5929562490W13940465120+001300300N5930590970W139384289151067512000000450F4005008278BF9A
        SCANP PAYAPAPR02   RW02 002E      +00055+00055LPV       78414
```

CITY AND STATE	ELEVATION: 33 THRE: 18	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
YAKUTAT, AK	AIRPORT NAME: YAKUTAT	RNAV	RNAV (GPS) RWY 2, AMDT 3 22 AUGUST 2013	AMDT: 2
				DATED: 01/13/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FACAD	FACAD	010	IAF	HF	R	FO		024.7(044.7T)	004.0	AA 02600	
	SAYOP	SAYOP	010	IAF	IF		FB					
	SAYOP	FACAD	020		TF		FB	1.0	084.5(104.5T)	008.0	AA 02600	
	WOKEL	WOKEL	010	IAF	IF		FB					
	WOKEL	FACAD	020		TF		FB	1.0	323.8(343.8T)	008.0	AA 02600	
		FACAD	010	FACF	IF		FB				AA 02600	
		ROHAN	020	FAF	TF		FB	0.5	024.7(044.7T)	008.0	AA 01700	
		RW02	030	MAP	TF		FO	0.3	024.9(044.9T)	005.1	AT 00063	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		024.9(044.9T)		AA 00600	
	FACAD	050		DF	R	FO				AA 03000	
	FACAD	060		HM	R	FO		024.7(044.7T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FACAD	N592038.70	W1395854.87	N5920.645	W13958.915
	ROHAN	N592618.44	W1394753.46	N5926.307	W13947.891
	SAYOP	N592239.81	W1401402.22	N5922.664	W14014.037
	WOKEL	N591258.94	W1395433.70	N5912.982	W13954.562
	RW02	N592956.25	W1394046.51	N5929.938	W13940.775

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW02	00018	45

4

CITY AND STATE	ELEVATION: 33 THRE: 18	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
YAKUTAT, AK	AIRPORT NAME: YAKUTAT	RNAV	RNAV (GPS) RWY 2, AMDT 3 22 AUGUST 2013	AMDT: 2
				DATED: 01/13/2011

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZUDUM (IAF)	HEJNO (NOPT) (FB)	024.48 / 9.73	2900
HEJNO (IF/IAF)	ADKUH (FB)	114.67 / 12.80	1300
ADKUH (FAF)	FETOB/1.90 NM TO RW11(FB)	114.92 / 1.91	
FETOB/1.90 NM TO RW11	RW11 (MAP) (FO)	114.92 / 1.90	
RW11 (MAP)	600 MSL	114.92	600
600 MSL	HEJNO (FO)		2900

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW11

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2900 DIRECT HEJNO AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 201 TREE 593150N/1394206W
DISTANCE TO THLD FROM 200 HATH: 0.46 NM.
CHART VDP AT 1.17 MILES TO RW11*
*LNAV ONLY.
WAAS CHANNEL # 86414
REFERENCE PATH ID: W11A
CHART CIRCLING ICON.
LTP HAE: 17.5 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW HEJNO, RT, 114.67 INBOUND, 2900 FT. IN LIEU OF PT (IAF)
3. FAC: 114.92 FAF: ADKUH DIST FAF TO MAP: 3.81 THLD: 3.81
4. MIN. ALT: HEJNO 2900, ADKUH 1300, FETOB/1.90 NM TO RW11 680*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1300 GS ALT AT: ADKUH 1300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.6 34:1 IS CLEAR
8. MSA FROM: ____

MAG VAR: 20E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	233	2400	200	233	2400	200	233	2400	200	233	2400	200			
LNAV/VNAV DA	508	5700	475	508	5700	475	508	5700	475	508	5700	475			
LNAV MDA	460	2400	427	460	2400	427	460	4000	427	460	4000	427			
CIRCLING	500	1	467	520	1	487	620	1 1/2	587	720	2 1/4	687			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). @ CAT D 800-2 1/4
CHART NOTE: DME/DME RNP-0.3 NA.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 33 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
YAKUTAT, AK	YAKUTAT	RNAV	RNAV (GPS) RWY 11, AMDT 4 22 AUGUST 2013	AMDT: 3 DATED 01/13/2011

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TAA

	FROM	TO	ALT
1.	025/30 CW 082/30 (NOPT)	025/10 CW 082/10	3500
2.	082/30 CW 130/30 (NOPT)	082/10 CW 130/10	7600
3.	025/10 CW 130/10	HEJNO (IF/IAF) (FB)	2900
4.	130/30 CW 295/30	130/10 CW 295/10	16200
5.	130/10 CW 295/10	HEJNO (IF/IAF) (FO)	2900
6.	295/30 CW 025/30	ZUDUM (IAF) (FB)	2900

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 33	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
YAKUTAT, AK	AIRPORT NAME: YAKUTAT	RNAV	RNAV (GPS) RWY 11, AMDT 4 22 AUGUST 2013	AMDT: 3 DATED: 01/13/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, ex cept HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, ex cept visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAYA
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	593041.2305N
LTP/FTP LONGITUDE	1393952.8825W
LTP/FTP ELLIPSOIDAL HEIGHT	+00175
FPAP LATITUDE	592938.3715N
FPAP LONGITUDE	1393749.3015W
THRESHOLD CROSSING HEIGHT (TCH)	00052.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0392
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	78225AB4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00101
FPAP ORTHOMETRIC HEIGHT	+00101

QUALITY CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 33 / AIRPORT NAME	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
YAKUTAT, AK	YAKUTAT	RNAV	RNAV (GPS) RWY 11, AMDT 4 22 AUGUST 2013	AMDT: 3 DATED: 01/13/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SCANEAENRT   ADKUH PA0    C     N59332249W139451080                    E0202     NAR           ADKUH
         SCANEAENRT   FETOB PA0    C     N59320161W139423118                    E0202     NAR           FETOB
         SCANEAENRT   HEJNO PA0    C     N59422209W140030390                    E0202     NAR           HEJNO
         SCANEAENRT   ZUDUM PA0    W     N59352725W140163134                    E0201     NAR           ZUDUM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SCANP PAYAPAAYAK     0     077YHN59301190W139393690E020000033          1800018000C    MNAR    YAKUTAT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SCANP PAYAPAFR11   AHEJNO 010HEJNOPAEA0EE AR   HF                     11470040    + 02900     18000                A JS
         SCANP PAYAPAFR11   AZUDUM 010ZUDUMPAEA0E  A    IF                                         18000                A JS
         SCANP PAYAPAFR11   AZUDUM 020HEJNOPAEA0EE B 010TF                      02450097    + 02900                          A JS
         SCANP PAYAPAFR11   R       010HEJNOPAEA0E  I    IF                                 + 02900     18000                A JS
         SCANP PAYAPAFR11   R       020ADKUHPAEA1E  F 051TF                     11470128    + 01300                          A JS
         SCANP PAYAPAFR11   R       020ADKUHPAEA2WALPV       ALNAV/VNAV ALNAV                                               JS
         SCANP PAYAPAFR11   R       021FETOBPAEA0E S  031TF                     11490019    V 0068000691        -300         A JS
         SCANP PAYAPAFR11   R       030RW11 PAPG0GY M 031TF                     11490019      00086             -300         A JS
         SCANP PAYAPAFR11   R       040         0  M     CA                     1149        + 00600                          A JS
         SCANP PAYAPAFR11   R       050HEJNOPAEA0EY  R   DF                              + 02900                          A JS
         SCANP PAYAPAFR11   R       060HEJNOPAEA0EE  R   HM                     11470040    + 02900                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SCANP PAYAPAGRW11    0077451150 N59304123W139395288-0100    +00175000330000531501

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SCANP PAYAPAPR11   RW11 001 0000W11A0N5930412305W13939528825+001750300N5929383715W139374930151067503920005O6F40035078225AB4
         SCANP PAYAPAPR11   RW11 002E      +00101+00101LPV       86414
```



CITY AND STATE	ELEVATION: 33 THRE: 33	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
YAKUTAT, AK	AIRPORT NAME: **YAKUTAT**	**RNAV**	**RNAV (GPS) RWY 11, AMDT 4** 22 AUGUST 2013	AMDT: **3**
				DATED: **01/13/2011**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HEJNO	HEJNO	010	IAF	HF	R	FO		114.7(134.7T)	004.0	AA 02900	
	ZUDUM	ZUDUM	010	IAF	IF		FB					
	ZUDUM	HEJNO	020		TF		FB	1.0	024.5(044.5T)	009.7	AA 02900	
		HEJNO	010	FACF	IF		FB				AA 02900	
		ADKUH	020	FAF	TF		FB	0.5	114.7(134.7T)	012.8	AA 01300	
		FETOB	021	SDF	TF		FB	0.3	114.9(134.9T)	001.9	AA 00680 GS 00691	
		RW11	030	MAP	TF		FO	0.3	114.9(134.9T)	001.9	AT 00086	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		114.9(134.9T)		AA 00600	
	HEJNO	050		DF	R	FO				AA 02900	
	HEJNO	060		HM	R	FO		114.7(134.7T)	004.0	AA 02900	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ADKUH	N593322.49	W1394510.80	N5933.375	W13945.180
	FETOB	N593201.61	W1394231.18	N5932.027	W13942.520
	HEJNO	N594222.09	W1400303.90	N5942.368	W14003.065
	ZUDUM	N593527.25	W1401631.34	N5935.454	W14016.522
	RW11	N593041.23	W1393952.88	N5930.687	W13939.881

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW11	00033	53

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 33 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
YAKUTAT, AK	**YAKUTAT**	**RNAV**	**RNAV (GPS) RWY 11, AMDT 4** 22 AUGUST 2013	AMDT: **3**
				DATED: **01/13/2011**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DEDYA (IAF)	CIMUF (NOPT) (FB)	355.94 / 8.00	2500
CIMUF (IF/IAF)	JOTWI (FB)	295.25 / 6.32	1600
JOTWI (FAF)	RW29 (MAP) (FO)	295.13 / 4.78	
RW29 (MAP)	600 MSL	295.13	600
600 MSL	CIMUF (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW29

CLIMB TO 600 THEN CLIMBING LEFT TURN TO 3000 DIRECT CIMUF AND HOLD.

ADDITIONAL FLIGHT DATA:
FAS OBST: 230 AAO 592721N/1393342W
DISTANCE TO THLD FROM 261 HATH: 0.65 NM.
WAAS CHANNEL # 66006
REFERENCE PATH ID: W29A
CHART CIRCLING ICON
LTP HAE: 13.3 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE CIMUF, LT, 295.25 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 295.13 FAF: JOTWI DIST FAF TO MAP: 4.78 THLD: 4.78
4. MIN. ALT: CIMUF 2500, JOTWI 1600
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1600 GS ALT AT: JOTWI 1600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 20E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	285	1	261	285	1	261	285	1	261	285	1	261			
LNAV/VNAV DA	482	1 1/8	458	482	1 1/8	458	482	1 1/8	458	482	1 1/8	458			
LNAV MDA	480	1	456	480	1	456	480	1	456	480	1	456			
CIRCLING	500	1	467	520	1	487	620	1 1/2	587	720	2 1/4	687			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CATS A AND B.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F).
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2 MILES; LNAV CATS C AND D VISIBILITY TO 1 3/8 MILES.
(SEE FORM 8260-10)

@ CAT D 800-2 1/4

QUALITY CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 24 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
YAKUTAT, AK	YAKUTAT	RNAV	RNAV (GPS) RWY 29, AMDT 4 22 AUGUST 2013	AMDT: 3 DATED 01/13/2011

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, ex cept HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, ex cept visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: RWY 29 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED
CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 210 KIAS

TAA

	FROM	TO	ALT
1.	115/30 CW 280/30	115/11 CW 280/11	8000
2.	115/11 CW 280/11	CIMUF (IF/IAF) (FO)	3600
3.	280/30 CW 356/30 (NOPT)	CIMUF (IF/IAF) (FB)	2500
4.	356/30 CW 115/30	DEDYA (IAF) (FB)	2500

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 24	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
YAKUTAT, AK	AIRPORT NAME: YAKUTAT	RNAV	RNAV (GPS) RWY 29, AMDT 4 22 AUGUST 2013	AMDT: 3 DATED: 01/13/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, ex cept HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, ex cept visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAYA
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	592947.2700N
LTP/FTP LONGITUDE	1393806.7900W
LTP/FTP ELLIPSOIDAL HEIGHT	+00133
FPAP LATITUDE	593050.1325N
FPAP LONGITUDE	1394010.3835W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0392
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	DC8233C9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00074
FPAP ORTHOMETRIC HEIGHT	+00074

QUALITY CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 24	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
YAKUTAT, AK	AIRPORT NAME: YAKUTAT	RNAV	RNAV (GPS) RWY 29, AMDT 4 22 AUGUST 2013	AMDT: 3
				DATED: 01/13/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCANEAENRT   CIMUF PA0    C     N59215615W139224657                    E0202     NAR          CIMUF
          SCANEAENRT   DEDYA PA0    W     N59141361W139264842                    E0202     NAR          DEDYA
          SCANEAENRT   JOTWI PA0    C     N59262451W139312944                    E0202     NAR          JOTWI

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCANP PAYAPAAYAK     0     077YHN59301190W139393690E020000033         1800018000C    MNAR    YAKUTAT

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCANP PAYAPAFR29   ACIMUF 010CIMUFPAEA0EE AL   HF                    29530040    + 02500     18000                A JS
          SCANP PAYAPAFR29   ADEDYA 010DEDYAPAEA0E  A    IF                                        18000                A JS
          SCANP PAYAPAFR29   ADEDYA 020CIMUFPAEA0EE B 010TF                     35590080    + 02500                          A JS
          SCANP PAYAPAFR29   R      010CIMUFPAEA0E  I    IF                                    + 02500     18000                A JS
          SCANP PAYAPAFR29   R      020JOTWIPAEA1E  F 051TF                     29530063    + 01600                          A JS
          SCANP PAYAPAFR29   R      020JOTWIPAEA2WALPV       ALNAV/VNAV ALNAV                                                JS
          SCANP PAYAPAFR29   R      030RW29 PAPG0GY M 031TF                     29510048      00076           -300           A JS
          SCANP PAYAPAFR29   R      040         0  M     CA                     2951        + 00600                          A JS
          SCANP PAYAPAFR29   R      050CIMUFPAEA0EY  L   DF                                  + 03000                          A JS
          SCANP PAYAPAFR29   R      060CIMUFPAEA0EE  L   HM                     29530040    + 03000                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCANP PAYAPAGRW29    0077452950 N59294727W139380679+0100    +00133000240000521 50R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCANP PAYAPAPR29   RW29 001 0000W29A0N5929472700W13938067900+001330300N5930501325W139401038351067503920005 20F400500DC8233C9
          SCANP PAYAPAPR29   RW29 002E      +00074+00074LPV       66006
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CITY AND STATE	ELEVATION: 33 THRE: 24 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
YAKUTAT, AK	YAKUTAT	RNAV	RNAV (GPS) RWY 29, AMDT 4 22 AUGUST 2013	AMDT: 3 DATED: 01/13/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CIMUF	CIMUF	010	IAF	HF	L	FO		295.3(315.3T)	004.0	AA 02500	
	DEDYA	DEDYA	010	IAF	IF		FB					
	DEDYA	CIMUF	020		TF		FB	1.0	355.9(015.9T)	008.0	AA 02500	
		CIMUF	010	FACF	IF		FB				AA 02500	
		JOTWI	020	FAF	TF		FB	0.5	295.3(315.3T)	006.3	AA 01600	
		RW29	030	MAP	TF		FO	0.3	295.1(315.1T)	004.8	AT 00076	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		295.1(315.1T)		AA 00600	
	CIMUF	050		DF	L	FO				AA 03000	
	CIMUF	060		HM	L	FO		295.3(315.3T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIMUF	N592156.15	W1392246.57	N5921.936	W13922.776
	DEDYA	N591413.61	W1392648.42	N5914.227	W13926.807
	JOTWI	N592624.51	W1393129.44	N5926.409	W13931.491
	RW29	N592947.27	W1393806.79	N5929.788	W13938.113

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29	00024	52

CITY AND STATE	ELEVATION: 33 THRE: 24	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
YAKUTAT, AK	AIRPORT NAME: YAKUTAT	RNAV	RNAV (GPS) RWY 29, AMDT 4 22 AUGUST 2013	AMDT: 3 DATED: 01/13/2011

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CUSCA (IF/IAF)	ZIMIS (FB)	165.94 / 6.00	2100
ZIMIS (FAF)	WELAN/2.20 NM TO RW16 (FB)	165.96 / 3.58	
WELAN/2.20 NM TO RW16	RW16 (MAP) (FO)	165.96 / 2.20	
RW16 (MAP)	552 MSL	165.96	
552 MSL	UYAHE (FO)		4000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW16

CLIMB TO 4000 DIRECT UYAHE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N CUSCA, RT, 165.94 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 165.96 FAF: ZIMIS DIST FAF TO MAP: 5.78 THLD: 5.78
4. MIN. ALT: CUSCA 4000, ZIMIS 2100, WELAN/2.20 NM TO RW16 960*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2100 GS ALT AT: ZIMIS 2100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 346.03 INBOUND.
CHART FAS OBST: 359 TREE 323232N/0872401W
CHART BIRMINGHAM 2 MOA.
CHART BIRMINGHAM MOA.
CHART CAMDEN RIDGE MOA.
CHART PINE HILL EAST MOA.
DISTANCE TO THLD FROM 332 HATH: 0.92 NM.
WAAS CHANNEL # 58331
REFERENCE PATH ID: W16A
CHART CIRCLING ICON.
CHART DEMOPOLIS AWOS-3.
LTP HAE: 38.3 M

MAG VAR: 3W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	552	1 1/8	332	552	1 1/8	332	552	1 1/8	332	552	1 1/8	332			
LNAV/VNAV DA	736	1 3/4	516	736	1 3/4	516	736	1 3/4	516	736	1 3/4	516			
LNAV MDA	700	1	480	700	1	480	700	1 3/8	480	700	1 3/8	480			
CIRCLING	740	1	520	760	1	540	760	1 1/2	540	880	2	660			

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
CHART NOTE: USE DEMOPOLIS ALTIMETER SETTING; WHEN NOT RECEIVED, USE TUSCALOOSA ALTIMETER SETTING (SEE FORM 8260-10)

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 220 THRE: 220 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MARION, AL	VAIDEN FIELD	RNAV	RNAV (GPS) RWY 16, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED 07/26/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
AND INCREASE ALL DA 27 FT, INCREASE ALL MDA 40 FT, INCREASE ALL LPV AND LNAV/VNAV VISIBILITIES 1/8 MILE, AND INCREASE CIRCLING CAT D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	076/30 CW 256/30 (NOPT)	CUSCA (IF/IAF) (FB)	4000
2.	256/30 CW 076/30	CUSCA (IF/IAF) (FO)	4000

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 220 THRE: 220	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARION, AL	AIRPORT NAME: VAIDEN FIELD	RNAV	RNAV (GPS) RWY 16, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 07/26/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	A08
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	323108.1125N
LTP/FTP LONGITUDE	0872316.1805W
LTP/FTP ELLIPSOIDAL HEIGHT	+00383
FPAP LATITUDE	322942.7420N
FPAP LONGITUDE	0872245.3440W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0800
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	FC25E364

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00670
FPAP ORTHOMETRIC HEIGHT	+00670

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 220 THRE: 220	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARION, AL	AIRPORT NAME: VAIDEN FIELD	RNAV	RNAV (GPS) RWY 16, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 07/26/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   CUSCA K70    W     N32422516W087272135                        W0025     NAR          CUSCA
         SUSAEAENRT   UYAHE K70    W     N32170214W087181150                        W0025     NAR          UYAHE
         SUSAEAENRT   WELAN K70    W     N32331452W087240186                        W0025     NAR          WELAN
         SUSAEAENRT   ZIMIS K70    W     N32364029W087251633                        W0025     NAR          ZIMIS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP A08 K7AA08     0     064YHN32303780W087230520W003000220          1800018000P    MNAR    VAIDEN FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP A08 K7FR16   ACUSCA 010CUSCAK7EA0EE AR   HF                      16590040    + 04000     18000                A JS
         SUSAP A08 K7FR16   R      010CUSCAK7EA0E  I    IF                                  + 04000     18000                A JS
         SUSAP A08 K7FR16   R      020ZIMISK7EA1E  F 051TF                      16590060    + 02100                          A JS
         SUSAP A08 K7FR16   R      020ZIMISK7EA2WALPV       ALNAV/VNAV ALNAV                                                 JS
         SUSAP A08 K7FR16   R      021WELANK7EA0E S  031TF                      16600036    V 0096000960        -300         A JS
         SUSAP A08 K7FR16   R      030RW16 K7PG0GY M 031TF                      16600022      00260             -300         A JS
         SUSAP A08 K7FR16   R      040         0  M     CA                      1660        + 00552                          A JS
         SUSAP A08 K7FR16   R      050UYAHEK7EA0EY       DF                                  + 04000                          A JS
         SUSAP A08 K7FR16   R      060UYAHEK7EA0EE  R    HM                      34600040    + 04000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP A08 K7GRW16     0064001660 N32310811W087231618-0200     +00383002200000400 80R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP A08 K7PR16   RW16 001 0000W16A0N3231081125W08723161805+003830300N3229427420W0872245344010675080000040 0F400500FC25E364
         SUSAP A08 K7PR16   RW16 002E      +00670+00670LPV       58331
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 220 THRE: 220	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MARION, AL	AIRPORT NAME: VAIDEN FIELD	RNAV	RNAV (GPS) RWY 16, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 07/26/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CUSCA	CUSCA	010	IAF	HF	R	FO		165.9(162.9T)	004.0	AA 04000	
		CUSCA	010	FACF	IF		FB				AA 04000	
		ZIMIS	020	FAF	TF		FB	0.5	165.9(162.9T)	006.0	AA 02100	
		WELAN	021	SDF	TF		FB	0.3	166.0(163.0T)	003.6	AA 00960 GS 00960	
		RW16	030	MAP	TF		FO	0.3	166.0(163.0T)	002.2	AT 00260	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		166.0(163.0T)		AA 00552	
	UYAHE	050		DF		FO				AA 04000	
	UYAHE	060		HM	R	FO		346.0(343.0T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUSCA	N324225.16	W0872721.35	N3242.419	W08727.356
	UYAHE	N321702.14	W0871811.50	N3217.036	W08718.192
	WELAN	N323314.52	W0872401.86	N3233.242	W08724.031
	ZIMIS	N323640.29	W0872516.33	N3236.672	W08725.272
	RW16	N323108.11	W0872316.18	N3231.135	W08723.270

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	00220	40

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 220 THRE: 220	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MARION, AL	AIRPORT NAME: **VAIDEN FIELD**	**RNAV**	**RNAV (GPS) RWY 16, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **07/26/2012**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UYAHE (IF/IAF)	HUXEB (FB)	346.03 / 7.84	2100
HUXEB (FAF)	JURMU/2.80 NM TO RW34 (FB)	346.01 / 3.01	
JURMU/2.80 NM TO RW34	RW34 (MAP) (FO)	346.01 / 2.80	
RW34 (MAP)	700 MSL	346.01	700
700 MSL	UYAHE (FO)		4000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW34

CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 4000 DIRECT UYAHE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S UYAHE, RT, 346.03 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 346.01 FAF: HUXEB DIST FAF TO MAP: 5.82 THLD: 5.82
4. MIN. ALT: UYAHE 4000, HUXEB 2100, JURMU/2.80 NM TO RW34 1140*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2100 GS ALT AT: HUXEB 2100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 329 TREE 322938N/0872159W
CHART BIRMINGHAM 2 MOA.
CHART BIRMINGHAM MOA.
CHART CAMDEN RIDGE MOA.
CHART PINE HILL EAST MOA.
DISTANCE TO THLD FROM 332 HATH: 0.92 NM.
WAAS CHANNEL # 61232
REFERENCE PATH ID: W34A
CHART CIRCLING ICON.
CHART DEMOPOLIS AWOS-3.
LTP HAE: 34.6 M

MAG VAR: 3W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT
ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	540	1 1/8	332	540	1 1/8	332	540	1 1/8	332	540	1 1/8	332			
LNAV/VNAV DA	701	1 3/4	493	701	1 3/4	493	701	1 3/4	493	701	1 3/4	493			
LNAV MDA	660	1	452	660	1	452	660	1 3/8	452	660	1 3/8	452			
CIRCLING	740	1	520	760	1	540	760	1 1/2	540	880	2	660			

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
CHART NOTE: USE DEMOPOLIS ALTIMETER SETTING; WHEN NOT RECEIVED, USE TUSCALOOSA ALTIMETER SETTING (SEE FORM 8260-10)

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 220 THRE: 208 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MARION, AL	VAIDEN FIELD	RNAV	RNAV (GPS) RWY 34, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 07/26/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
AND INCREASE ALL DA 27 FT, INCREASE ALL MDA 40 FT, INCREASE ALL LPV VISIBILITIES 1/8 MILE, AND INCREASE CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

TAA

	FROM	TO	ALT
1.	256/30 CW 076/30 (NOPT)	UYAHE (IF/IAF) (FB)	4000
2.	076/30 CW 256/30	UYAHE (IF/IAF) (FO)	4000

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 220 THRE: 208	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARION, AL	AIRPORT NAME: VAIDEN FIELD	RNAV	RNAV (GPS) RWY 34, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 07/26/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	A08
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	323007.5645N
LTP/FTP LONGITUDE	0872254.3055W
LTP/FTP ELLIPSOIDAL HEIGHT	+00346
FPAP LATITUDE	323132.9380N
FPAP LONGITUDE	0872325.1330W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0800
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	4AC2EBC8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00633
FPAP ORTHOMETRIC HEIGHT	+00633

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 220 THRE: 208	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARION, AL	AIRPORT NAME: VAIDEN FIELD	RNAV	RNAV (GPS) RWY 34, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 07/26/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   HUXEB K70    W     N32243316W087205372                    W0025    NAR          HUXEB
          SUSAEAENRT   JURMU K70    W     N32272649W087215619                    W0025    NAR          JURMU
          SUSAEAENRT   UYAHE K70    W     N32170214W087181150                    W0025    NAR          UYAHE

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP A08 K7AA08     0     064YHN32303780W087230520W003000220         1800018000P    MNAR     VAIDEN FIELD

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP A08 K7FR34   AUYAHE 010UYAHEK7EA0EE AR   HF                    34600040    + 04000     18000                A JS
          SUSAP A08 K7FR34   R      010UYAHEK7EA0E  I    IF                                + 04000     18000                A JS
          SUSAP A08 K7FR34   R      020HUXEBK7EA1E  F 051TF                    34600078    + 02100                          A JS
          SUSAP A08 K7FR34   R      020HUXEBK7EA2WALPV       ALNAV/VNAV ALNAV                                               JS
          SUSAP A08 K7FR34   R      021JURMUK7EA0E S  031TF                    34600030    V 0114001140        -300         A JS
          SUSAP A08 K7FR34   R      030RW34 K7PG0GY M 031TF                    34600028      00248             -300         A JS
          SUSAP A08 K7FR34   R      040          0  M     CA                   3460        + 00700                          A JS
          SUSAP A08 K7FR34   R      050UYAHEK7EA0EY  R    DF                             + 04000                          A JS
          SUSAP A08 K7FR34   R      060UYAHEK7EA0EE  R    HM                   34600040    + 04000                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP A08 K7GRW34    0064003460 N32300756W087225431+0200     +00346002080000400 80R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP A08 K7PR34   RW34 001 0000W34A0N3230075645W08722543055+003460300N3231329380W0872325133010675080000040 0F4005004AC2EBC8
          SUSAP A08 K7PR34   RW34 002E       +00633+00633LPV       61232
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 220 THRE: 208	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MARION, AL	AIRPORT NAME: **VAIDEN FIELD**	**RNAV**	**RNAV (GPS) RWY 34, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **07/26/2012**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	UYAHE	UYAHE	010	IAF	HF	R	FO		346.0(343.0T)	004.0	AA 04000	
		UYAHE	010	FACF	IF		FB				AA 04000	
		HUXEB	020	FAF	TF		FB	0.5	346.0(343.0T)	007.8	AA 02100	
		JURMU	021	SDF	TF		FB	0.3	346.0(343.0T)	003.0	AA 01140 GS 01140	
		RW34	030	MAP	TF		FO	0.3	346.0(343.0T)	002.8	AT 00248	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		346.0(343.0T)		AA 00700	
	UYAHE	050		DF	R	FO				AA 04000	
	UYAHE	060		HM	R	FO		346.0(343.0T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HUXEB	N322433.16	W0872053.72	N3224.553	W08720.895
	JURMU	N322726.49	W0872156.19	N3227.442	W08721.937
	UYAHE	N321702.14	W0871811.50	N3217.036	W08718.192
	RW34	N323007.56	W0872254.31	N3230.126	W08722.905

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	00208	40

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 220 THRE: 208	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MARION, AL	AIRPORT NAME: VAIDEN FIELD	RNAV	RNAV (GPS) RWY 34, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 07/26/2012

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RUNOE (IF/IAF)	WINUT (FB)	033.90 / 7.00	2000
WINUT (FAF)	ZUNRO/1.50 NM TO RW03 (FB)	033.94 / 3.95	
ZUNRO/1.50 NM TO RW03	RW03 (MAP) (FO)	033.94 / 1.50	
RW03 (MAP)	900 MSL	033.94	900
900 MSL	RUNOE (FO)		3100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW03

CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3100 DIRECT RUNOE AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 369 TREE 321729N/0862402W
DISTANCE TO THLD FROM 263 HATH: 0.69 NM.
WAAS CHANNEL # 56633
REFERENCE PATH ID: W03A
CHART CIRCLING ICON.
CHART: ASR.
LTP HAE: 39.7 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW RUNOE, RT, 033.90 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 033.94 FAF: WINUT DIST FAF TO MAP: 5.45 THLD: 5.45
4. MIN. ALT: RUNOE 3100, WINUT 2000, ZUNRO/1.50 NM TO RW03 740*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: WINUT 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 43.4 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 1W EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	484	7/8	263	484	7/8	263	484	7/8	263	484	7/8	263			
LNAV/VNAV DA	550	1 1/8	329	550	1 1/8	329	550	1 1/8	329	550	1 1/8	329			
LNAV MDA	620	1	399	620	1	399	620	1 1/8	399	620	1 1/8	399			
CIRCLING	700	1	479	700	1	479	800	1 1/2	579	860	2	639			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8C (18F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY A

CITY AND STATE	ELEVATION: 221 THRE: 221 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	MONTGOMERY RGNL (DANNELLY FIELD)	RNAV	RNAV (GPS) RWY 3, AMDT 2 22 AUGUST 2013	AMDT: 1A DATED 07/26/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TAA

	FROM	TO	ALT
1.	304/30 CW 124/30 (NOPT)	304/17 CW 124/17	3500
2.	304/17 CW 124/17	RUNOE (IF/IAF) (FB)	3100
3.	124/30 CW 304/30	RUNOE (IF/IAF) (FO)	4500

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	ELEVATION: 221 THRE: 221 AIRPORT NAME: MONTGOMERY RGNL (DANNELLY FIELD)	RNAV	RNAV (GPS) RWY 3, AMDT 2 22 AUGUST 2013	AMDT: 1A DATED: 07/26/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMGM
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	321741.9700N
LTP/FTP LONGITUDE	0862338.9010W
LTP/FTP ELLIPSOIDAL HEIGHT	+00397
FPAP LATITUDE	321856.8700N
FPAP LONGITUDE	0862241.6800W
THRESHOLD CROSSING HEIGHT (TCH)	00043.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	9939D2C2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00674
FPAP ORTHOMETRIC HEIGHT	+00674

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

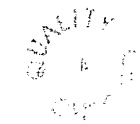
```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   RUNOE K70    W     N32071372W086313757                        W0031     NAR          RUNOE
         SUSAEAENRT   WINUT K70    W     N32130702W086270866                        W0031     NAR          WINUT
         SUSAEAENRT   ZUNRO K70    W     N32162631W086243666                        W0032     NAR          ZUNRO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMGMK7AMGM     0     090YHN32180230W086233830W001000221         1800018000C    MNAR    MONTGOMERY RGNL (DANNELLY FIEL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMGMK7FR03   ARUNOE 010RUNOEK7EA0EE AR   HF                    03390040    + 03100     18000                A JS
         SUSAP KMGMK7FR03   R       010RUNOEK7EA0E  I    IF                                + 03100     18000                A JS
         SUSAP KMGMK7FR03   R       020WINUTK7EA1E  F 051TF                    03390070    + 02000                          A JS
         SUSAP KMGMK7FR03   R       020WINUTK7EA2WALPV       ALNAV/VNAV ALNAV                                              JS
         SUSAP KMGMK7FR03   R       021ZUNROK7EA0E S  031TF                    03390040    V 0074000742        -300         A JS
         SUSAP KMGMK7FR03   R       030RW03 K7PG0GY M 031TF                    03390015      00265             -300         A JS
         SUSAP KMGMK7FR03   R       040          0  M     CA                   0339        + 00900                          A JS
         SUSAP KMGMK7FR03   R       050RUNOEK7EA0EY  R   DF                              + 03100                          A JS
         SUSAP KMGMK7FR03   R       060RUNOEK7EA0EE  R   HM                    03390040    + 03100                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMGMK7GRW03    0040110340 N32174197W086233890-0900    +00397002210000043150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMGMK7PR03   RW03 001 0000W03A0N3217419700W08623389010+003970300N3218568700W086224168001067515280000434F4005009939D2C2
         SUSAP KMGMK7PR03   RW03 002E      +00674+00674LPV      56633
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CITY AND STATE	ELEVATION: 221 THRE: 221	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	AIRPORT NAME: **MONTGOMERY RGNL (DANNELLY FIELD)**	**RNAV**	**RNAV (GPS) RWY 3, AMDT 2** 22 AUGUST 2013	AMDT: **1A**
				DATED: **07/26/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RUNOE	RUNOE	010	IAF	HF	R	FO		033.9(032.9T)	004.0	AA 03100	
		RUNOE	010	FACF	IF		FB				AA 03100	
		WINUT	020	FAF	TF		FB	0.5	033.9(032.9T)	007.0	AA 02000	
		ZUNRO	021	SDF	TF		FB	0.3	033.9(032.9T)	004.0	AA 00740	GS 00742
		RW03	030	MAP	TF		FO	0.3	033.9(032.9T)	001.5	AT 00265	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		033.9(032.9T)		AA 00900	
	RUNOE	050		DF	R	FO				AA 03100	
	RUNOE	060		HM	R	FO		033.9(032.9T)	004.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	RUNOE	N320713.72	W0863137.57	N3207.229	W08631.626
	WINUT	N321307.02	W0862708.66	N3213.117	W08627.144
	ZUNRO	N321626.31	W0862436.66	N3216.439	W08624.611
	RW03	N321741.97	W0862338.90	N3217.700	W08623.648

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03	00221	43

CITY AND STATE	ELEVATION: 221 THRE: 221 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	**MONTGOMERY RGNL (DANNELLY FIELD)**	**RNAV**	**RNAV (GPS) RWY 3, AMDT 2** 22 AUGUST 2013	AMDT: **1A**
				DATED: **07/26/2012**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CZQ VORTAC	STORI/I-FAT 6.12 DME/RADAR	121.53 / 13.01	2000
ALTTA/I-FAT 24.08 DME (IAF)	SANGO/I-FAT 12.62 DME (NOPT)	291.36 / 11.46 (I-FAT)	2800
SANGO/I-FAT 12.62 DME (IF)	STORI/I-FAT 6.12 DME	291.36 / 6.50 (I-FAT)	1800

MISSED APPROACH

ILS: DA
LOC: I-FAT 1.74 DME FIX

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 330 AND FRA VORTAC R-202 TO NIVEE INT/FRA 8.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 800 THEN CLIMBING RIGHT TURN TO (SEE FORM 8260-10)

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 021.75 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW OXVEV/CZQ 7.00 DME, RT, 126.84 INBOUND.
CHART FAS OBST: 431 TWR 364514N/1194047W
CHART IN PLANVIEW: OXVEV/CZQ 7.00 DME.
CHART CIRCLING ICON.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E STORI, LT, 291.36 INBOUND, 1800 FT. IN LIEU OF PT (IAF)
3. FAC: 291.36 FAF: STORI/I-FAT 6.12 DME DIST FAF TO MAP: 4.43 THLD: 4.43
4. MIN. ALT: STORI 1800, WILAB/I-FAT 3.09 DME 820*
5. DIST TO THLD FROM OM: - MM: - IM: 838 150 HAT: - 100 HAT: 809 GS ANT: 1049
6. MIN GS INCPT: 1800 GS ALT AT: STORI 1800 OM: - MM: - IM: 415
7. GS ANGLE: 3.00 TCH: 57.5
8. MSA FROM: CZQ VORTAC 120-300 1900, 300-120 7800

MAG VAR: 14E EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD # LOC: STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 29R	532	1800	200	532	1800	200	532	1800	200	532	1800	200	532	1800	200
S-LOC 29R	700	2400	368	700	2400	368	700	3500	368	700	3500	368	700	3500	368
SIDESTEP 29L	700	1	370	700	1	370	700	1 1/2	370	700	2	370	700	2	370
CIRCLING	820	1	484	820	1	484	920	1 1/2	584	920	2	584	1140	2 3/4	804

NOTES:
SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 29R: CAT A, B, C, D, RA 151, RVR 1400, HATh 150, DA 482 MSL.
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 29R: CAT A, B, C, D, RA 101, RVR 1200, HATh 100, DA 432 MSL.
(SEE FORM 8260-10)

#CAT E 900-2 3/4
@ CAT E 900-2 3/4

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 29R 332 THRE: 29L 330 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FRESNO, CA	FRESNO YOSEMITE INTL	I-FAT	ILS OR LOC/DME RWY 29R, AMDT 38 ILS RWY 29R (SA CAT I), ILS RWY 29R (CAT II) ILS RWY 29R (CAT III) 08/22/2013	AMDT: 37 DATED 04/10/2008

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MISSED APPROACH INSTRUCTIONS, (CONT.):
3000 DIRECT CZQ VORTAC AND ON CZQ VORTAC R-307 TO OXVEV/CZQ 7.00 DME AND HOLD NW, RT, 126.84 INBOUND.

NOTES, (CONT.):
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS-29R: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA.
CHART PLANVIEW NOTE: DME REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
*LOC ONLY
CHART PLANVIEW NOTE: RADAR REQUIRED FOR TERMINAL ROUTE CLOVIS (CZQ) VORTAC TO STORI/I-FAT 6.12 DME.
CHART NOTE: HOLD IN LIEU OF PT NA FOR CAT E AIRCRAFT.
CHART PLANVIEW NOTE: MAXIMUM HOLDING AIRSPEED AT STORI 200 KIAS.
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-ILS 29R CAT E VISIBILITY TO RVR 4000 AND S-LOC 29R CAT E VISIBILITY TO RVR 5500.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALTTA ON V459 SOUTHBOUND.
CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 29R 332 THRE: 29L 330	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	I-FAT	ILS OR LOC/DME RWY 29R, AMDT 38 ILS RWY 29R (SA CAT I) , ILS RWY 29R (CAT II) ILS RWY 29R (CAT III) 08/22/2013	AMDT: 37 DATED: 04/10/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - ILS

```
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NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        CZQ   K2011290VTH  N36530356W119485452    N36530356W119485452E0150003602     NARCLOVIS
          SUSAD        FRA   K2011560VTLA N37061592W119354360    N37061592W119354360E0170023801     NARFRIANT
          SUSAD        NLC   K2011330 THW                   NLC N36203882W119575880E0140002292     NARLEMOORE
          SUSAD KFATK2 IFAT  K2011130 IT                    IFATN36471081W119435663     003470     NARFRESNO YOSEMITE INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   ALTTA K20    C   L N36330891W119193645                    E0132     NAR           ALTTA
          SUSAEAENRT   NIVEE K20    R   L N37000093W119415868                    E0133     NAR           NIVEE
          SUSAEAENRT   SANGO K20    C     N36394914W119311111                    E0132     NAR           SANGO
          SUSAEAENRT   STORI K20    C     N36433554W119374624                    E0132     NAR           STORI

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KFATK2AFAT     0      095YHN36463560W119430780E014000336          1800018000C    MNAR     FRESNO YOSEMITE INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KFATK2FI29R  AALTTA 010ALTTAK2EA0E  A    IF                                          18000                 0 DS
          SUSAP KFATK2FI29R  AALTTA 020SANGOK2EA0EE B    CF IFATK2      111301262914O115PI  + 02800                       0 DS
          SUSAP KFATK2FI29R  ACZQ   010CZQ  K2D 0V       IF                                          18000                 0 DS
          SUSAP KFATK2FI29R  ACZQ   020STORIK2EA0EY      TF                                  + 02000                       0 DS
          SUSAP KFATK2FI29R  ACZQ   030STORIK2EA0EE AL   HF NLC K2      021302812914T010D   + 01800          200          0-DS
          SUSAP KFATK2FI29R  I      010SANGOK2EA0E  I    IF IFATK2      11130126         PI  J 0280001800180000                0 DS
          SUSAP KFATK2FI29R  I      020STORIK2EA0E  F    CF IFATK2      1113006129100065PI  H 0180001800        -300CZQ   K2D 0 DS
          SUSAP KFATK2FI29R  I      030RW29RK2PG0GY M    CF IFATK2      1114001729100044PI    00390             -300          0 DS
          SUSAP KFATK2FI29R  I      040          0  M    CA                    2914          + 00800                       0 DS
          SUSAP KFATK2FI29R  I      050          0       VI                    3300                                        0 DS
          SUSAP KFATK2FI29R  I      060NIVEEK2EA0EY      CF FRA K2      2018008002180070D   + 05000                       0 DS
          SUSAP KFATK2FI29R  I      070NIVEEK2EA0EE  R   HM                    0218T010    + 05000                       0 DS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KFATK2GRW29R    0095392914 N36460961W119421582+0000     +006950033203125815OIIFAT3

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 29R 332	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: **FRESNO YOSEMITE INTL** THRE: 29L 330	**I-FAT**	**ILS OR LOC/DME RWY 29R, AMDT 38 ILS RWY 29R (SA CAT I), ILS RWY 29R (CAT II) ILS RWY 29R (CAT III), 08/22/2013**	AMDT: **37**
				DATED: **04/10/2008**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
SUSAP KFATK2IIFAT3   011130RW29RN36470828W119435860291 4N36461884W1194223481027 10490391300E01405800332

              1         2         3         4         5         6         7         8         9         0         1         2         3
MSA  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
SUSAP KFATK2SCZQ  K2D              0   1203000782530012001925                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 29R 332	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: THRE: 29L 330 FRESNO YOSEMITE INTL	I-FAT	ILS OR LOC/DME RWY 29R, AMDT 38 ILS RWY 29R (SA CAT I), ILS RWY 29R (CAT II) ILS RWY 29R (CAT III), 08/22/2013	AMDT: 37
				DATED: 04/10/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALTTA	ALTTA	010	IAF	IF		FB					
	ALTTA	SANGO	020		CF		FB		291.4()	011.5	AA 02800	
	CZQ	CZQ	010		IF		FB					
	CZQ	STORI	020		TF		FO				AA 02000	
	CZQ	STORI	030	IAF	HF	L	FO		291.4()	T01.0	AA 01800	AB 200
		SANGO	010	FACF	IF		FB				AA 02800 GI 01800	
		STORI	020	FAF	CF		FB		291.0()	006.5	GI 01800 GS 01800	
		RW29R	030	MAP	CF		FO		291.0()	004.4	AT 00390	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		291.4()		AA 00800	
		050		VI		FB		330.0()			
	NIVEE	060		CF		FO		021.8()	007.0	AA 05000	
	NIVEE	070		HM	R	FO		021.8()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CZQ	N365303.56	W1194854.52	N3653.059	W11948.909
	FRA	N370615.92	W1193543.60	N3706.265	W11935.727
	NLC (DME)	N362038.82	W1195758.80	N3620.647	W11957.980
	IFAT (DME)	N364710.81	W1194356.63	N3647.180	W11943.944
	ALTTA	N363308.91	W1191936.45	N3633.149	W11919.608
	NIVEE	N370000.93	W1194158.68	N3700.016	W11941.978
	SANGO	N363949.14	W1193111.11	N3639.819	W11931.185
	STORI	N364335.54	W1193746.24	N3643.592	W11937.771
	RW29R	N364609.61	W1194215.82	N3646.160	W11942.264
	IFAT (LOC)	N364708.28	W1194358.60	N3647.138	W11943.977

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29R	00332	58

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336	THRE: 29R 332	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	THRE: 29L 330	I-FAT	ILS OR LOC/DME RWY 29R, AMDT 38 ILS RWY 29R (SA CAT I), ILS RWY 29R (CAT II) ILS RWY 29R (CAT III), 08/22/2013	AMDT: 37 DATED: 04/10/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - LOC

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        CZQ   K2011290VTH  N36530356W119485452    N36530356W119485452E0150003602     NARCLOVIS
        SUSAD        FRA   K2011560VTLA N37061592W119354360    N37061592W119354360E0170023801     NARFRIANT
        SUSAD        NLC   K2011330 THW                   NLC N36203882W119575880E0140002292     NARLEMOORE
        SUSAD KFATK2 IFAT  K2011130 IT                    IFATN36471081W119435663     003470     NARFRESNO YOSEMITE INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ALTTA K20    C   L N36330891W119193645                    E0132     NAR          ALTTA
        SUSAEAENRT   NIVEE K20    R   L N37000093W119415868                    E0133     NAR          NIVEE
        SUSAEAENRT   SANGO K20    C     N36394914W119311111                    E0132     NAR          SANGO
        SUSAEAENRT   STORI K20    C     N36433554W119374624                    E0132     NAR          STORI
        SUSAEAENRT   WILAB K20    C     N36452093W119405057                    E0133     NAR          WILAB

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2AFAT     0     095YHN36463560W119430780E014000336         1800018000C    MNAR    FRESNO YOSEMITE INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2FL29R  AALTTA 010ALTTAK2EA0E  A    IF                                                  18000                0 DS
        SUSAP KFATK2FL29R  AALTTA 020SANGOK2EA0EE B    CF IFATK2      1113012629140115PI  + 02800                                0 DS
        SUSAP KFATK2FL29R  ACZQ   010CZQ  K2D 0V      IF                                                  18000                0 DS
        SUSAP KFATK2FL29R  ACZQ   020STORIK2EA0EY      TF                                  + 02000                              0 DS
        SUSAP KFATK2FL29R  ACZQ   030STORIK2EA0EE AL   HF NLC K2      021302812914T010D   + 01800        200                   0-DS
        SUSAP KFATK2FL29R  L      010SANGOK2EA0E  I    IF IFATK2      11130126         PI + 02800  18000                      0 DS
        SUSAP KFATK2FL29R  L      020STORIK2EA0E  F    CF IFATK2      1113006129100065PI  + 01800                CZQ   K2D 0 DS
        SUSAP KFATK2FL29R  L      021WILABK2EA0E S     CF IFATK2      1113003129100030PI  + 00820          -300                0 DS
        SUSAP KFATK2FL29R  L      030RW29RK2PG0GY M    CF IFATK2      1114001729100014PI    00390          -300                0 DS
        SUSAP KFATK2FL29R  L      040          0  M    CA                    2914         + 00800                              0 DS
        SUSAP KFATK2FL29R  L      050          0       VI                    3300                                              0 DS
        SUSAP KFATK2FL29R  L      060NIVEEK2EA0EY      CF FRA K2      2018008002180070D   + 05000                              0 DS
        SUSAP KFATK2FL29R  L      070NIVEEK2EA0EE  R   HM                    0218T010      + 05000                              0 DS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2GRW29R   0095392914 N36460961W119421582+0000     +006950033203125815OIIFAT3
```

QUALITY CHECKED A

CITY AND STATE	ELEVATION: 336 THRE: 29R 332	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: **FRESNO YOSEMITE INTL** THRE: 29L 330	**I-FAT**	**ILS OR LOC/DME RWY 29R, AMDT 38 ILS RWY 29R (SA CAT I), ILS RWY 29R (CAT II) ILS RWY 29R (CAT III), 08/22/2013**	AMDT: **37**
				DATED: **04/10/2008**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                  1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2IIFAT3    011130RW29RN36470828W119435860291 4N36461884W1194223481027 10490391300E01405800332

                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2SCZQ  K2D                0   1203000782530012001925                                                          M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 29R 332	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: THRE: 29L 330 FRESNO YOSEMITE INTL	I-FAT	ILS OR LOC/DME RWY 29R, AMDT 38 ILS RWY 29R (SA CAT I), ILS RWY 29R (CAT II) ILS RWY 29R (CAT III), 08/22/2013	AMDT: 37
				DATED: 04/10/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALTTA	ALTTA	010	IAF	IF		FB					
	ALTTA	SANGO	020		CF		FB		291.4()	011.5	AA 02800	
	CZQ	CZQ	010		IF		FB					
	CZQ	STORI	020		TF		FO				AA 02000	
	CZQ	STORI	030	IAF	HF	L	FO		291.4()	T01.0	AA 01800	AB 200
		SANGO	010	FACF	IF		FB				AA 02800	
		STORI	020	FAF	CF		FB		291.0()	006.5	AA 01800	
		WILAB	021	SDF	CF		FB		291.0()	003.0	AA 00820	
		RW29R	030	MAP	CF		FO		291.0()	001.4	AT 00390	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		291.4()		AA 00800	
		050		VI		FB		330.0()			
	NIVEE	060		CF		FO		021.8()	007.0	AA 05000	
	NIVEE	070		HM	R	FO		021.8()	T01.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CZQ	N365303.56	W1194854.52	N3653.059	W11948.909
	FRA	N370615.92	W1193543.60	N3706.265	W11935.727
	NLC (DME)	N362038.82	W1195758.80	N3620.647	W11957.980
	IFAT (DME)	N364710.81	W1194356.63	N3647.180	W11943.944
	ALTTA	N363308.91	W1191936.45	N3633.149	W11919.608
	NIVEE	N370000.93	W1194158.68	N3700.016	W11941.978
	SANGO	N363949.14	W1193111.11	N3639.819	W11931.185
	STORI	N364335.54	W1193746.24	N3643.592	W11937.771
	WILAB	N364520.93	W1194050.57	N3645.349	W11940.843
	RW29R	N364609.61	W1194215.82	N3646.160	W11942.264
	IFAT (LOC)	N364708.28	W1194358.60	N3647.138	W11943.977

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29R	00332	58

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 336	THRE: 29R 332	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: **FRESNO YOSEMITE INTL**	**THRE: 29L 330**	**I-FAT**	**ILS OR LOC/DME RWY 29R, AMDT 38 ILS RWY 29R (SA CAT I), ILS RWY 29R (CAT II) ILS RWY 29R (CAT III), 08/22/2013**	AMDT: **37**
					DATED: **04/10/2008**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PXN VORTAC	SOKRE INT/CZQ 15.00 DME	055.88 / 33.02	5000
HYP VOR/DME	SOKRE INT/CZQ 15.00 DME	131.67 / 23.96	5000
SOKRE INT/CZQ 15.00 DME (IAF)	MORLA INT/I-RPW 10.26 DME	075.26 / 10.58 (CZQ R-255)	2000
BEREN INT/CZQ 12.62 DME (IAF)	MORLA INT/I-RPW 10.26 DME	180.00 / 6.58 (HDG) & 111.35 / 6.08 (I-RPW)	2000
MORLA INT/I-RPW 10.26 DME (IF)	SLACK INT/I-RPW 4.26 DME	111.35 / 6.00 (I-RPW)	1800

MISSED APPROACH

MAP: LOC: 4.44 MILES AFTER SLACK INT/RPW 4.26 DME OR AT I-RPW 0.18 DME FIX

CLIMB TO 2000 ON HEADING 111.35 AND CZQ VORTAC R-124 TO SELMA/CZQ 18.63 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1800 ON HEADING 111.35 FOR RADAR VECTORS. (RADAR REQUIRED).

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 304.00 INBOUND.
CHART FAS OBST: 419 TREE 364753N/1194516W
CHART IN PROFILE VIEW I-RPW DME ANTENNA.
CHART (CFFJP) AT INTERSECTION OF BEREN DR LEG AND INTERMEDIATE COURSE.
SLACK TO RW11L: 3.00/55.
CHART CIRCLING ICON.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT MORLA
3. FAC 111.35 FAF SLACK INT/I-RPW 4.26 DME DIST FAF TO MAP 4.44 THLD 4.44
4. MIN. ALT MORLA 2000, SLACK 1800, WEPOX/I-RPW 1.13 DME 800
8. MSA FROM: CZQ VORTAC 120-300 1900, 300-120 7800

MAG VAR: 14E EPOCH YEAR:2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | LOC: STANDARD@

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-LOC 11L	800	1	467	800	1	467	800	1 3/8	467	800	1 3/8	467	800	1 3/8	467
SIDESTEP 11R	800	1	470	800	1	470	800	1 1/2	470	800	2	470	800	2	470
CIRCLING	820	1	484	820	1	484	920	1 1/2	584	920	2	248	1140	2 3/4	804

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. @ CAT E 900-2 3/4

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 11L 333 THRE: 11R 330	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	I-RPW	LOC RWY 11L, AMDT 2 08/22/2013	AMDT 1B DATE 04/10/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

MINIMUMS CONT.

CATEGORY	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
WEPOX FIX MINIMUMS															
S-LOC 11L	680	5500	347	680	5500	347	680	5500	347	680	5500	347	680	5500	347
SIDESTEP 11R	680	1	350	680	1	350	680	1	350	680	2	350	680	2	350

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 11L 333 THRE: 11R 330	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	I-RPW	LOC RWY 11L, AMDT 2 08/22/2013	AMDT: 1B
				DATED: 04/10/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - LOC

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAD        CZQ   K2011290VTH  N36530356W119485452    N36530356W119485452E0150003602     NARCLOVIS
       SUSAD        HYP   K2011420VDL  N37130996W120240079    N37130996W120240079E0150001841     NAREL NIDO
       SUSAD        PXN   K2011260VTL  N36425565W120464326    N36425565W120464326E0160020601     NARPANOCHE
       SUSAD KFATK2 IRPW  K2011130 IT                    IRPWN36471081W119435663     003470     NARFRESNO YOSEMITE INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   BEREN K20    C   L N37025930W119583891                    E0134     NAR          BEREN
       SUSAEAENRT   CFFJP K20    W     N36563535W120003679                    E0134     NAR          CNF(CFFJP)
       SUSAEAENRT   MORLA K20    C     N36530465W119542487                    E0133     NAR          MORLA
       SUSAEAENRT   SELMA K20    R   L N36385785W119334316                    E0132     NAR          SELMA
       SUSAEAENRT   SLACK K20    C     N36493648W119481866                    E0133     NAR          SLACK
       SUSAEAENRT   SOKRE K20    R     N36530622W120073633                    E0134     NAR          SOKRE
       SUSAEAENRT   WEPOX K20    C     N36474758W119450752                    E0133     NAR          WEPOX

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KFATK2APAT     0      095YHN36463560W119430780E014000336          1800018000C    MNAR     FRESNO YOSEMITE INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KFATK2FL11L  ABEREN 010BERENK2EA0E  A    IF                                                  18000                0 NS
       SUSAP KFATK2FL11L  ABEREN 020CFFJPK2EA0E       TF                                  + 02000                              0 NS
       SUSAP KFATK2FL11L  ABEREN 030MORLAK2EA0EE B    CF IRPWK2      2914012211140061PI   + 02000                              0 NS
       SUSAP KFATK2FL11L  AHYP   010HYP  K2D 0V       IF                                                  18000                0 NS
       SUSAP KFATK2FL11L  AHYP   020SOKREK2EA0E  A    TF                                  + 05000                              0 NS
       SUSAP KFATK2FL11L  AHYP   030SOKREK2EA0E       FC CZQ K2      2553015007530086D    + 02000                              0 NS
       SUSAP KFATK2FL11L  AHYP   040MORLAK2EA0EE B    CF IRPWK2      2914012207530020PI   + 02000                              0 NS
       SUSAP KFATK2FL11L  APXN   010PXN  K2D 0V       IF                                                  18000                0 NS
       SUSAP KFATK2FL11L  APXN   020SOKREK2EA0E  A    TF                                  + 05000                              0 NS
       SUSAP KFATK2FL11L  APXN   030SOKREK2EA0E       FC CZQ K2      2553015007530086D    + 02000                              0 NS
       SUSAP KFATK2FL11L  APXN   040MORLAK2EA0EE B    CF IRPWK2      2914012207530020PI   + 02000                              0 NS
       SUSAP KFATK2FL11L  L      010MORLAK2EA0E  I    IF IRPWK2      29140122          PI   + 02000   18000                     0 NS
       SUSAP KFATK2FL11L  L      020SLACKK2EA0E  F    CF IRPWK2      2914006211100060PI   + 01800                CZQ   K2D 0 NS
       SUSAP KFATK2FL11L  L      021WEPOXK2EA0E S     CF IRPWK2      2914003011100031PI   + 00800          -300                0 NS
       SUSAP KFATK2FL11L  L      030RW11LK2PG0GY M    CF IRPWK2      2914001711100013PI     00388          -300                0 NS
       SUSAP KFATK2FL11L  L      040          0  M    VI                   1114                                                0 NS
       SUSAP KFATK2FL11L  L      050SELMAK2EA0EY      CF CZQ K2      1240018612400080D    + 02000                              0 NS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 11L 333	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: **FRESNO YOSEMITE INTL** THRE: 11R 330	**I-RPW**	**LOC RWY 11L, AMDT 2 08/22/2013**	AMDT: **1B**
				DATED: **04/10/2008**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
        SUSAP KFATK2FL11L  L      060SELMAK2EA0EE  L   HM                    3040T010    + 02000                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2GRW11L   0095391114 N36470240W119434831+0000    +006970033300005515ORIRPW0

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2IIRPW0   011130RW11LN36460254W1194203441114                  0923     0383   E0140

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2SCZQ  K2D               0   1203000782530012001925                                                          M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336	THRE: 11L 333	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	THRE: 11R 330	I-RPW	LOC RWY 11L, AMDT 2 08/22/2013	AMDT: 1B
					DATED: 04/10/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BEREN	BEREN	010	IAF	IF		FB					
	BEREN	CFFJP	020		TF		FB				AA 02000	
	BEREN	MORLA	030		CF		FB		111.4()	006.1	AA 02000	
	HYP	HYP	010		IF		FB					
	HYP	SOKRE	020	IAF	TF		FB				AA 05000	
	HYP	SOKRE	030		FC		FB		075.3()	008.6	AA 02000	
	HYP	MORLA	040		CF		FB		075.3()	002.0	AA 02000	
	PXN	PXN	010		IF		FB					
	PXN	SOKRE	020	IAF	TF		FB				AA 05000	
	PXN	SOKRE	030		FC		FB		075.3()	008.6	AA 02000	
	PXN	MORLA	040		CF		FB		075.3()	002.0	AA 02000	
		MORLA	010	FACF	IF		FB				AA 02000	
		SLACK	020	FAF	CF		FB		111.0()	006.0	AA 01800	
		WEPOX	021	SDF	CF		FB		111.0()	003.1	AA 00800	
		RW11L	030	MAP	CF		FO		111.0()	001.3	AT 00388	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		111.4()			
	SELMA	050		CF		FO		124.0()	008.0	AA 02000	
	SELMA	060		HM	L	FO		304.0()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CZQ	N365303.56	W1194854.52	N3653.059	W11948.909
	HYP	N371309.96	W1202400.79	N3713.166	W12024.013
	PXN	N364255.65	W1204643.26	N3642.928	W12046.721
	IRPW (DME)	N364710.81	W1194356.63	N3647.180	W11943.944
	BEREN	N370259.30	W1195838.91	N3702.988	W11958.649
	CFFJP	N365635.35	W1200036.79	N3656.589	W12000.613
	MORLA	N365304.65	W1195424.87	N3653.078	W11954.415
	SELMA	N363857.85	W1193343.16	N3638.964	W11933.719
	SLACK	N364936.48	W1194818.66	N3649.608	W11948.311
	SOKRE	N365306.22	W1200736.33	N3653.104	W12007.606
	WEPOX	N364747.58	W1194507.52	N3647.793	W11945.125
	RW11L	N364702.40	W1194348.31	N3647.040	W11943.805
	IRPW (LOC)	N364602.54	W1194203.44	N3646.042	W11942.057

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW11L	00333	55

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 336	THRE: 11L 333	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	THRE: 11R 330	I-RPW	LOC RWY 11L, AMDT 2 08/22/2013	AMDT: 1B
					DATED: 04/10/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated; except visibilities which are in statute miles or in feet RVR.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336	THRE: 11L 333	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: **FRESNO YOSEMITE INTL**	**THRE: 11R 330**	**I-RPW**	**LOC RWY 11L, AMDT 2 08/22/2013**	AMDT: **1B**
					DATED: **04/10/2008**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SIBOC	RIWSO (FB)	277.95 / 20.00	4000
RIWSO	MORLA (FO)	274.49 / 5.49	2000
FRAME	MORLA (FO)	311.44 / 19.78	2000
FRA VORTAC	ISESY (FB)	229.76 / 14.11	4900
BLEAR (IAF)	MORLA (NOPT) (FB)	059.84 / 13.70	2000
ISESY (IAF)	MORLA (NOPT) (FB)	184.51 / 7.29	2000
BEREN (IAF)	MORLA (NOPT) (FB)	147.06 / 10.46	2000
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW11L

CLIMB TO 2600 DIRECT SANGO AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W MORLA, RT, 111.24 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 111.30 FAF: SLACK DIST FAF TO MAP: 4.44 THLD: 4.44
4. MIN. ALT: MORLA 2000, SLACK 1800, WEPOX/1.30 NM TO RW11L 800*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: SLACK 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.5 34:1 IS CLEAR
8. MSA FROM: RW11L 7800

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 291.46 INBOUND.
CHART FAS OBST: 419 TREE 364753N/1194516W
554 AAO 365036N/1194744W.
DISTANCE TO THLD FROM 200 HATH: 0.46 NM.
WAAS CHANNEL # 77505
REFERENCE PATH ID: W11A
CHART CIRCLING ICON.
LTP HAE: 69.7 M

MAG VAR: 14E EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	533	4000	200	533	4000	200	533	4000	200	533	4000	200			
LNAV/VNAV DA	583	4000	250	583	4000	250	583	4000	250	583	4000	250			
LNAV MDA	680	5500	347	680	5500	347	680	5500	347	680	5500	347			
CIRCLING	820	1	484	820	1	484	920	1 1/2	584	920	2	584			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0C (32F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 333 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FRESNO, CA	FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 11L, AMDT 1 08/22/2013	AMDT: ORIG-A
				DATED 04/10/2008

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MORLA (IF/IAF)	SLACK (FB)	111.24 / 6.00	1800
SLACK (FAF)	WEPOX/1.30 NM TO RW11L (FB)	111.30 / 3.14	
WEPOX/1.30 NM TO RW11L	RW11L (MAP) (FO)	111.30 / 1.30	
RW11L (MAP)	533 MSL	111.30	
533 MSL	SANGO (FO)		2600

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FRA VORTAC AIRWAY RADIALS 202 CW 302; FOR ARRIVALS AT BLEAR ON V230-585 WEST BOUND; FOR ARRIVAL AT BEREN ON V23 NORTHWEST BOUND; AND FOR ARRIVALS AT FRAME ON V23 SOUTHEAST BOUND.

QUALITY CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFAT
RUNWAY	RW11L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	364702.4035N
LTP/FTP LONGITUDE	1194348.3060W
LTP/FTP ELLIPSOIDAL HEIGHT	+00697
FPAP LATITUDE	364607.8200N
FPAP LONGITUDE	1194212.6900W
THRESHOLD CROSSING HEIGHT (TCH)	00054.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	C3BFF2FC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+01015
FPAP ORTHOMETRIC HEIGHT	+01015

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 333	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 11L, AMDT 1 08/22/2013	AMDT: ORIG-A
				DATED: 04/10/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated; except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        FRA   K2011560VTLA N37061592W119354360    N37061592W119354360E0170023801     NARFRIANT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BEREN K20    C   L N37025930W119583891                    E0134     NAR          BEREN
        SUSAEAENRT   BLEAR K20    C   L N36491676W120104868                    E0134     NAR          BLEAR
        SUSAEAENRT   FRAME K20    C   L N36364674W119402553                    E0132     NAR          FRAME
        SUSAEAENRT   ISESY K20    W     N37000008W119513175                    E0133     NAR          ISESY
        SUSAEAENRT   MORLA K20    C     N36530465W119542487                    E0133     NAR          MORLA
        SUSAEAENRT   RIWSO K20    W     N36512024W119475542                    E0133     NAR          RIWSO
        SUSAEAENRT   SANGO K20    C     N36394914W119311111                    E0132     NAR          SANGO
        SUSAEAENRT   SIBOC K20    C   L N36435342W119244853                    E0132     NAR          SIBOC
        SUSAEAENRT   SLACK K20    C     N36493648W119481866                    E0133     NAR          SLACK
        SUSAEAENRT   WEPOX K20    C     N36474758W119450752                    E0133     NAR          WEPOX

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2AFAT     0     095YHN36463560W119430780E014000336          1800018000C    MNAR    FRESNO YOSEMITE INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2FR11L  ABEREN 010BERENK2EA0E  A    IF                                                18000                A JS
        SUSAP KFATK2FR11L  ABEREN 020MORLAK2EA0EE B 010TF                    14710105    + 02000                               A JS
        SUSAP KFATK2FR11L  ABLEAR 010BLEARK2EA0E  A    IF                                                18000                A JS
        SUSAP KFATK2FR11L  ABLEAR 020MORLAK2EA0EE B 010TF                    05980137    + 02000                               A JS
        SUSAP KFATK2FR11L  AFRA   010FRA  K2D 0V      IF                                                18000                A JS
        SUSAP KFATK2FR11L  AFRA   020ISESYK2EA0E  A 020TF                    22980141    + 04900                               A JS
        SUSAP KFATK2FR11L  AFRA   030MORLAK2EA0EE B 010TF                    18450073    + 02000                               A JS
        SUSAP KFATK2FR11L  AFRAME 010FRAMEK2EA0E      IF                                                18000                A JS
        SUSAP KFATK2FR11L  AFRAME 020MORLAK2EA0EY A 020TF                    31140198    + 02000                               A JS
        SUSAP KFATK2FR11L  AFRAME 030MORLAK2EA0EE AR   HF                    11120040    + 02000                               A JS
        SUSAP KFATK2FR11L  ASIBOC 010SIBOCK2EA0E      IF                                                18000                A JS
        SUSAP KFATK2FR11L  ASIBOC 020RIWSOK2EA0E    020TF                    27800200    + 04000                               A JS
        SUSAP KFATK2FR11L  ASIBOC 030MORLAK2EA0EY A 020TF                    27450055    + 02000                               A JS
        SUSAP KFATK2FR11L  ASIBOC 040MORLAK2EA0EE AR   HF                    11120040    + 02000                               A JS
        SUSAP KFATK2FR11L  R      010MORLAK2EA0E  I    IF                                + 02000    18000                      A JS
        SUSAP KFATK2FR11L  R      020SLACKK2EA1E  F 051TF                    11120060    + 01800                RW11L K2PGA JS
        SUSAP KFATK2FR11L  R      020SLACKK2EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 333	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 11L, AMDT 1 08/22/2013	AMDT: ORIG-A
				DATED: 04/10/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
SUSAP KFATK2FR11L  R      021WEPOXK2EA0E S  031TF                  11130031    V 0080000802       -300          A JS
SUSAP KFATK2FR11L  R      030RW11LK2PG0GY M 031TF                  11130013      00388            -300          A JS
SUSAP KFATK2FR11L  R      040          0  M     CA                 1113        + 00533                          A JS
SUSAP KFATK2FR11L  R      050SANGOK2EA0EY       DF                              + 02600                          A JS
SUSAP KFATK2FR11L  R      060SANGOK2EA0EE  L    HM                 29150040    + 02600                          A JS

            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2GRW11L   0095391114 N36470240W119434831+0000     +00697003330000551S0R

            1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2PR11L  RW11L001 0000W11A0N3647024035W11943483060+006970300N3646078200W11942126900106750000000545F400350C3BFF2FC
        SUSAP KFATK2PR11L  RW11L002E       +01015+01015LPV       77505

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2SRW11LK2PG                0   18018007825                                                                    M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 333	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 11L, AMDT 1 08/22/2013	AMDT: ORIG-A
				DATED: 04/10/2008

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BEREN	BEREN	010	IAF	IF		FB					
	BEREN	MORLA	020		TF		FB	1.0	147.1(161.1T)	010.5	AA 02000	
	BLEAR	BLEAR	010	IAF	IF		FB					
	BLEAR	MORLA	020		TF		FB	1.0	059.8(073.8T)	013.7	AA 02000	
	FRA	FRA	010		IF		FB					
	FRA	ISESY	020	IAF	TF		FB	2.0	229.8(243.8T)	014.1	AA 04900	
	FRA	MORLA	030		TF		FB	1.0	184.5(198.5T)	007.3	AA 02000	
	FRAME	FRAME	010		IF		FB					
	FRAME	MORLA	020	IAF	TF		FO	2.0	311.4(325.4T)	019.8	AA 02000	
	FRAME	MORLA	030	IAF	HF	R	FO		111.2(125.2T)	004.0	AA 02000	
	SIBOC	SIBOC	010		IF		FB					
	SIBOC	RIWSO	020		TF		FB	2.0	278.0(292.0T)	020.0	AA 04000	
	SIBOC	MORLA	030	IAF	TF		FO	2.0	274.5(288.5T)	005.5	AA 02000	
	SIBOC	MORLA	040	IAF	HF	R	FO		111.2(125.2T)	004.0	AA 02000	
		MORLA	010	FACF	IF		FB				AA 02000	
		SLACK	020	FAF	TF		FB	0.5	111.2(125.2T)	006.0	AA 01800	
		WEPOX	021	SDF	TF		FB	0.3	111.3(125.3T)	003.1	AA 00800	GS 00802
		RW11L	030	MAP	TF		FO	0.3	111.3(125.3T)	001.3	AT 00388	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		111.3(125.3T)		AA 00533	
	SANGO	050		DF		FO				AA 02600	
	SANGO	060		HM	L	FO		291.5(305.5T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FRA	N370615.92	W1193543.60	N3706.265	W11935.727
	BEREN	N370259.30	W1195838.91	N3702.988	W11958.649
	BLEAR	N364916.76	W1201048.68	N3649.279	W12010.811
	FRAME	N363646.74	W1194025.53	N3636.779	W11940.426
	ISESY	N370000.08	W1195131.75	N3700.001	W11951.529
	MORLA	N365304.65	W1195424.87	N3653.078	W11954.415
	RIWSO	N365120.24	W1194755.42	N3651.337	W11947.924
	SANGO	N363949.14	W1193111.11	N3639.819	W11931.185
	SIBOC	N364353.42	W1192448.53	N3643.890	W11924.809
	SLACK	N364936.48	W1194818.66	N3649.608	W11948.311
	WEPOX	N364747.58	W1194507.52	N3647.793	W11945.125
	RW11L	N364702.40	W1194348.31	N3647.040	W11943.805

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 333 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 11L, AMDT 1 08/22/2013	AMDT: ORIG-A
				DATED: 04/10/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

RW11L 00333 55

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 333	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 11L, AMDT 1 08/22/2013	AMDT: ORIG-A
				DATED: 04/10/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SIBOC	RIWSO (FB)	277.95 / 20.00	4000
RIWSO	WOSIM (FO)	276.29 / 6.56	2000
FRAME	WOSIM (FO)	310.12 / 20.77	2000
FRA VORTAC	ISESY (FB)	229.76 / 14.11	4900
BLEAR (IAF)	WOSIM (NOPT) (FB)	056.41 / 12.95	2000
ISESY (IAF)	WOSIM (NOPT) (FB)	193.09 / 7.17	2000
BEREN (IAF)	WOSIM (NOPT) (FB)	151.35 / 9.68	2000
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW11R

CLIMB TO 2600 DIRECT IPUJE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 291.46 INBOUND.
CHART FAS OBST: 419 TREE 364753N/1194516W
DISTANCE TO THLD FROM 250 HATH: 0.63 NM.
WAAS CHANNEL # 78330
REFERENCE PATH ID: W11B
CHART CIRCLING ICON.
LTP HAE: 68.9 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W WOSIM, RT, 111.23 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 111.30 FAF: ZUVEK DIST FAF TO MAP: 4.46 THLD: 4.46
4. MIN. ALT: WOSIM 2000, ZUVEK 1800, JITMU/1.40 NM TO RW11R 820*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: ZUVEK 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR
8. MSA FROM: RW11R 7800

MAG VAR: 14E EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	580	3/4	250	580	3/4	250	580	3/4	250	580	3/4	250			
LNAV/VNAV DA	580	3/4	250	580	3/4	250	580	3/4	250	580	3/4	250			
LNAV MDA	700	1	370	700	1	370	700	1	370	700	1	370			
CIRCLING	820	1	484	820	1	484	920	1 1/2	584	920	2	584			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0C (32F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
CHART NOTE: PROCEDURE NA FOR ARRIVALS ON FRA VORTAC AIRWAY RADIALS 202 CW 314; FOR ARRIVALS AT (SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 330 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FRESNO, CA	FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 11R, AMDT 2 08/22/2013	AMDT: 1
				DATED 11/15/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WOSIM (IF/IAF)	ZUVEK (FB)	111.23 / 7.00	1800
ZUVEK (FAF)	JITMU/1.40 NM TO RW11R (FB)	111.30 / 3.06	
JITMU/1.40 NM TO RW11R	RW11R (MAP) (FO)	111.30 / 1.40	
RW11R (MAP)	580 MSL	111.30	
580 MSL	IPUJE (FO)		2600

NOTES, (CONT.):
BLEAR ON V230-585 WEST BOUND; FOR ARRIVALS AT BEREN ON V23 NORTHWEST BOUND; AND FOR ARRIVALS AT FRAME ON V23 SOUTHEAST BOUND.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 330 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FRESNO, CA	FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 11R, AMDT 2 08/22/2013	AMDT: 1 DATED: 11/15/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFAT
RUNWAY	RW11R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11B
LTP/FTP LATITUDE	364659.0195N
LTP/FTP LONGITUDE	1194356.7140W
LTP/FTP ELLIPSOIDAL HEIGHT	+00689
FPAP LATITUDE	364607.3900N
FPAP LONGITUDE	1194226.2600W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	1EF12ED9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+01006
FPAP ORTHOMETRIC HEIGHT	+01006

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 330	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 11R, AMDT 2 08/22/2013	AMDT: 1
				DATED: 11/15/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAD        FRA   K2011560VTLA N37061592W119354360     N37061592W119354360E0170023801     NARFRIANT

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   BEREN K20    C   L N37025930W119583891                    E0134     NAR          BEREN
       SUSAEAENRT   BLEAR K20    C   L N36491676W120104868                    E0134     NAR          BLEAR
       SUSAEAENRT   FRAME K20    C   L N36364674W119402553                    E0132     NAR          FRAME
       SUSAEAENRT   IPUJE K20    W     N36395540W119313636                    E0132     NAR          IPUJE
       SUSAEAENRT   ISESY K20    W     N37000008W119513175                    E0133     NAR          ISESY
       SUSAEAENRT   JITMU K20    W     N36474768W119452201                    E0133     NAR          JITMU
       SUSAEAENRT   RIWSO K20    W     N36512024W119475542                    E0133     NAR          RIWSO
       SUSAEAENRT   SIBOC K20    C   L N36435342W119244853                    E0132     NAR          SIBOC
       SUSAEAENRT   WOSIM K20    W     N36533672W119553581                    E0133     NAR          WOSIM
       SUSAEAENRT   ZUVEK K20    W     N36493392W119482849                    E0133     NAR          ZUVEK

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KFATK2AFAT     0     092YHN36463560W119430780E014000336          1800018000C    MNAR     FRESNO YOSEMITE INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KFATK2FR11R  ABEREN 010BERENK2EA0E  A    IF                                          18000                A JS
       SUSAP KFATK2FR11R  ABEREN 020WOSIMK2EA0EE B 010TF                  15140097    + 02000                        A JS
       SUSAP KFATK2FR11R  ABLEAR 010BLEARK2EA0E  A    IF                                          18000                A JS
       SUSAP KFATK2FR11R  ABLEAR 020WOSIMK2EA0EE B 010TF                  05640130    + 02000                        A JS
       SUSAP KFATK2FR11R  AFRA   010FRA  K2D 0V      IF                                          18000                A JS
       SUSAP KFATK2FR11R  AFRA   020ISESYK2EA0E  A 020TF                  22980141    + 04900                        A JS
       SUSAP KFATK2FR11R  AFRA   030WOSIMK2EA0EE B 010TF                  19310072    + 02000                        A JS
       SUSAP KFATK2FR11R  AFRAME 010FRAMEK2EA0E      IF                                          18000                A JS
       SUSAP KFATK2FR11R  AFRAME 020WOSIMK2EA0EY A 020TF                  31010208    + 02000                        A JS
       SUSAP KFATK2FR11R  AFRAME 030WOSIMK2EA0EE AR   HF                  11120040    + 02000                        A JS
       SUSAP KFATK2FR11R  ASIBOC 010SIBOCK2EA0E      IF                                          18000                A JS
       SUSAP KFATK2FR11R  ASIBOC 020RIWSOK2EA0E    020TF                  27800200    + 04000                        A JS
       SUSAP KFATK2FR11R  ASIBOC 030WOSIMK2EA0EY A 020TF                  27630066    + 02000                        A JS
       SUSAP KFATK2FR11R  ASIBOC 040WOSIMK2EA0EE AR   HF                  11120040    + 02000                        A JS
       SUSAP KFATK2FR11R  R      010WOSIMK2EA0E  I    IF                              + 02000  18000                 A JS
       SUSAP KFATK2FR11R  R      020ZUVEKK2EA1E  F 051TF                  11120070    + 01800            RW11R K2PGA JS
       SUSAP KFATK2FR11R  R      020ZUVEKK2EA2WALPV       ALNAV/VNAV ALNAV                                            JS
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 330	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: **FRESNO YOSEMITE INTL**	**RNAV**	**RNAV (GPS) RWY 11R, AMDT 2 08/22/2013**	AMDT: **1**
				DATED: **11/15/2012**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
SUSAP KFATK2FR11R  R      021JITMUK2EA0E S  031TF                  11130031    V 0082000826       -300          A JS
SUSAP KFATK2FR11R  R      030RW11RK2PG0GY M 031TF                  11130014      00380            -300          A JS
SUSAP KFATK2FR11R  R      040         0  M     CA                  1113        + 00580                          A JS
SUSAP KFATK2FR11R  R      050IPUJEK2EA0EY       DF                              + 02600                          A JS
SUSAP KFATK2FR11R  R      060IPUJEK2EA0EE  L    HM                  29150040    + 02600                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KFATK2GRW11R   0080081114 N36465902W119435671+0000    +00689003300000050150R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KFATK2PR11R  RW11R001 0000W11B0N3646590195W11943567140+006890300N3646073900W11942262600106750312000500F4005001EF12ED9
          SUSAP KFATK2PR11R  RW11R002E      +01006+01006LPV       78330

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KFATK2SRW11RK2PG               0   18018007825                                                          M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 330 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 11R, AMDT 2 08/22/2013	AMDT: 1
				DATED: 11/15/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BEREN	BEREN	010	IAF	IF		FB					
	BEREN	WOSIM	020		TF		FB	1.0	151.4(165.4T)	009.7	AA 02000	
	BLEAR	BLEAR	010	IAF	IF		FB					
	BLEAR	WOSIM	020		TF		FB	1.0	056.4(070.4T)	013.0	AA 02000	
	FRA	FRA	010		IF		FB					
	FRA	ISESY	020	IAF	TF		FB	2.0	229.8(243.8T)	014.1	AA 04900	
	FRA	WOSIM	030		TF		FB	1.0	193.1(207.1T)	007.2	AA 02000	
	FRAME	FRAME	010		IF		FB					
	FRAME	WOSIM	020	IAF	TF		FO	2.0	310.1(324.1T)	020.8	AA 02000	
	FRAME	WOSIM	030	IAF	HF	R	FO		111.2(125.2T)	004.0	AA 02000	
	SIBOC	SIBOC	010		IF		FB					
	SIBOC	RIWSO	020		TF		FB	2.0	278.0(292.0T)	020.0	AA 04000	
	SIBOC	WOSIM	030	IAF	TF		FO	2.0	276.3(290.3T)	006.6	AA 02000	
	SIBOC	WOSIM	040	IAF	HF	R	FO		111.2(125.2T)	004.0	AA 02000	
		WOSIM	010	FACF	IF		FB				AA 02000	
		ZUVEK	020	FAF	TF		FB	0.5	111.2(125.2T)	007.0	AA 01800	
		JITMU	021	SDF	TF		FB	0.3	111.3(125.3T)	003.1	AA 00820	GS 00826
		RW11R	030	MAP	TF		FO	0.3	111.3(125.3T)	001.4	AT 00380	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		111.3(125.3T)		AA 00580	
	IPUJE	050		DF		FO				AA 02600	
	IPUJE	060		HM	L	FO		291.5(305.5T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FRA	N370615.92	W1193543.60	N3706.265	W11935.727
	BEREN	N370259.30	W1195838.91	N3702.988	W11958.649
	BLEAR	N364916.76	W1201048.68	N3649.279	W12010.811
	FRAME	N363646.74	W1194025.53	N3636.779	W11940.426
	IPUJE	N363955.40	W1193136.36	N3639.923	W11931.606
	ISESY	N370000.08	W1195131.75	N3700.001	W11951.529
	JITMU	N364747.68	W1194522.01	N3647.795	W11945.367
	RIWSO	N365120.24	W1194755.42	N3651.337	W11947.924
	SIBOC	N364353.42	W1192448.53	N3643.890	W11924.809
	WOSIM	N365336.72	W1195535.81	N3653.612	W11955.597
	ZUVEK	N364933.92	W1194828.49	N3649.565	W11948.475
	RW11R	N364659.02	W1194356.71	N3646.984	W11943.945

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 330	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 11R, AMDT 2 08/22/2013	AMDT: 1
				DATED: 11/15/2012

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RW11R 00330 50

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 330	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 11R, AMDT 2 08/22/2013	AMDT: 1
				DATED: 11/15/2012

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FRA VORTAC	OCAVI (FB)	158.22 / 18.00	4900
OCAVI	IPUJE (FO)	160.11 / 8.52	2700
FRAME	IPUJE (FO)	052.09 / 7.76	2700
ALTTA (IAF)	IPUJE (NOPT) (FB)	291.07 / 11.79	2600
LATON (IAF)	IPUJE (NOPT) (FB)	349.91 / 17.36	2600
IPUJE (IF/IAF)	ZUDAB (FB)	291.46 / 6.40	1800
ZUDAB (FAF)	CUMUX/1.40 NM TO RW29L (FB)	291.40 / 3.05	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW29L

CLIMB TO 2000 DIRECT WOSIM AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E IPUJE, LT, 291.46 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 291.40 FAF: ZUDAB DIST FAF TO MAP: 4.45 THLD: 4.45
4. MIN. ALT: IPUJE 2600, ZUDAB 1800, CUMUX/1.40 NM TO RW29L 820*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: ZUDAB 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR
8. MSA FROM: RW29L 7800

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 111.23 INBOUND.
CHART FAS OBST: 505 TOWER 364530N/1194223W
DISTANCE TO THLD FROM 250 HATH: 0.62 NM.
WAAS CHANNEL # 50530
REFERENCE PATH ID: W29B
CHART CIRCLING ICON.
LTP HAE: 68.9 M

MAG VAR: 14E EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	580	3/4	250	580	3/4	250	580	3/4	250	580	3/4	250			
LNAV/VNAV DA	666	1 1/8	336	666	1 1/8	336	666	1 1/8	336	666	1 1/8	336			
LNAV MDA	760	1	430	760	1	430	760	1 1/4	430	760	1 1/4	430			
CIRCLING	820	1	484	820	1	484	920	1 1/2	584	920	2	584			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0C (32F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 330 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FRESNO, CA	FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 29L, AMDT 2 08/22/2013	AMDT: 1
				DATED 11/15/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CUMUX/1.40 NM TO RW29L	RW29L (MAP) (FO)	291.40 / 1.40	
RW29L (MAP)	580 MSL	291.40	
580 MSL	WOSIM (FO)		2000

NOTES, (CONT.):
CHART NOTE: PROCEDURE NA FOR ARRIVAL AT FRA VORTAC ON V230 NORTHEAST BOUND.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 330	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 29L, AMDT 2 08/22/2013	AMDT: 1
				DATED: 11/15/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFAT
RUNWAY	RW29L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29B
LTP/FTP LATITUDE	364613.2055N
LTP/FTP LONGITUDE	1194236.4420W
LTP/FTP ELLIPSOIDAL HEIGHT	+00689
FPAP LATITUDE	364704.8300N
FPAP LONGITUDE	1194406.9000W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	7C31EB60

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+01006
FPAP ORTHOMETRIC HEIGHT	+01006

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 330	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 29L, AMDT 2 08/22/2013	AMDT: 1
				DATED: 11/15/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD       FRA   K2011560VTLA N37061592W119354360    N37061592W119354360E0170023801     NARFRIANT

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT  ALTTA K20    C   L N36330891W119193645                    E0131    NAR          ALTTA
          SUSAEAENRT  CUMUX K20    W     N36452453W119411119                    E0133    NAR          CUMUX
          SUSAEAENRT  FRAME K20    C   L N36364674W119402553                    E0132    NAR          FRAME
          SUSAEAENRT  IPUJE K20    W     N36395540W119313636                    E0132    NAR          IPUJE
          SUSAEAENRT  LATON K20    C   L N36223461W119330474                    E0131    NAR          LATON
          SUSAEAENRT  OCAVI K20    W     N36482444W119324155                    E0132    NAR          OCAVI
          SUSAEAENRT  WOSIM K20    W     N36533672W119553581                    E0133    NAR          WOSIM
          SUSAEAENRT  ZUDAB K20    W     N36433832W119380542                    E0132    NAR          ZUDAB

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KFATK2AFAT     0     092YHN36463560W119430780E014000336         1800018000C    MNAR    FRESNO YOSEMITE INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KFATK2FR29L  AALTTA 010ALTTAK2EA0E  A    IF                                          18000                A JS
          SUSAP KFATK2FR29L  AALTTA 020IPUJEK2EA0EE B 010TF                  29110118    + 02600                         A JS
          SUSAP KFATK2FR29L  AFRA   010FRA  K2D 0V       IF                                          18000                A JS
          SUSAP KFATK2FR29L  AFRA   020OCAVIK2EA0E    020TF                  15820180                                    A JS
          SUSAP KFATK2FR29L  AFRA   030IPUJEK2EA0EY A 020TF                  16010085    + 02700                         A JS
          SUSAP KFATK2FR29L  AFRA   040IPUJEK2EA0EE AL   HF                  29150040    + 02600                         A JS
          SUSAP KFATK2FR29L  AFRAME 010FRAMEK2EA0E      IF                                          18000                A JS
          SUSAP KFATK2FR29L  AFRAME 020IPUJEK2EA0EY A 020TF                  05210078    + 02700                         A JS
          SUSAP KFATK2FR29L  AFRAME 030IPUJEK2EA0EE AL   HF                  29150040    + 02600                         A JS
          SUSAP KFATK2FR29L  ALATON 010LATONK2EA0E  A    IF                                          18000                A JS
          SUSAP KFATK2FR29L  ALATON 020IPUJEK2EA0EE B 010TF                  34990174    + 02600                         A JS
          SUSAP KFATK2FR29L  R      010IPUJEK2EA0E  I    IF                             + 02600     18000                A JS
          SUSAP KFATK2FR29L  R      020ZUDABK2EA1E  F 051TF                  29150064    + 01800                RW29L K2PGA JS
          SUSAP KFATK2FR29L  R      020ZUDABK2EA2WALPV       ALNAV/VNAV ALNAV                                            JS
          SUSAP KFATK2FR29L  R      021CUMUXK2EA0E S  031TF                  29140031    V 0082000828        -300    A JS
          SUSAP KFATK2FR29L  R      030RW29LK2PG0GY M 031TF                  29140014      00382             -300    A JS
          SUSAP KFATK2FR29L  R      040          0 M     CA                  2914        + 00580                         A JS
          SUSAP KFATK2FR29L  R      050WOSIMK2EA0EY       DF                             + 02000                         A JS
          SUSAP KFATK2FR29L  R      060WOSIMK2EA0EE  R    HM                  11120040    + 02000                         A JS
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 330	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 29L, AMDT 2 08/22/2013	AMDT: 1
				DATED: 11/15/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated; except visibilities which are in statute miles or in feet RVR.

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KFATK2GRW29L    0080082914 N36461321W119423644+0000     +0068900330000052150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KFATK2PR29L  RW29L001 0000W29B0N36461320 55W11942364420+006890300N3647048300W11944069000106750312000520F4005007C31EB60
         SUSAP KFATK2PR29L  RW29L002E      +01006+01006LPV       50530

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KFATK2SRW29LK2PG               0    18018007825                                                                    M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 330	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 29L, AMDT 2 08/22/2013	AMDT: 1
				DATED: 11/15/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALTTA	ALTTA	010	IAF	IF		FB					
	ALTTA	IPUJE	020		TF		FB	1.0	291.1(305.1T)	011.8	AA 02600	
	FRA	FRA	010		IF		FB					
	FRA	OCAVI	020		TF		FB	2.0	158.2(172.2T)	018.0		
	FRA	IPUJE	030	IAF	TF		FO	2.0	160.1(174.1T)	008.5	AA 02700	
	FRA	IPUJE	040	IAF	HF	L	FO		291.5(305.5T)	004.0	AA 02600	
	FRAME	FRAME	010		IF		FB					
	FRAME	IPUJE	020	IAF	TF		FO	2.0	052.1(066.1T)	007.8	AA 02700	
	FRAME	IPUJE	030	IAF	HF	L	FO		291.5(305.5T)	004.0	AA 02600	
	LATON	LATON	010	IAF	IF		FB					
	LATON	IPUJE	020		TF		FB	1.0	349.9(003.9T)	017.4	AA 02600	
		IPUJE	010	FACF	IF		FB				AA 02600	
		ZUDAB	020	FAF	TF		FB	0.5	291.5(305.5T)	006.4	AA 01800	
		CUMUX	021	SDF	TF		FB	0.3	291.4(305.4T)	003.1	AA 00820 GS 00828	
		RW29L	030	MAP	TF		FO	0.3	291.4(305.4T)	001.4	AT 00382	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		291.4(305.4T)		AA 00580	
	WOSIM	050		DF		FO				AA 02000	
	WOSIM	060		HM	R	FO		111.2(125.2T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FRA	N370615.92	W1193543.60	N3706.265	W11935.727
	ALTTA	N363308.91	W1191936.45	N3633.149	W11919.608
	CUMUX	N364524.53	W1194111.19	N3645.409	W11941.187
	FRAME	N363646.74	W1194025.53	N3636.779	W11940.426
	IPUJE	N363955.40	W1193136.36	N3639.923	W11931.606
	LATON	N362234.61	W1193304.74	N3622.577	W11933.079
	OCAVI	N364824.44	W1193241.55	N3648.407	W11932.693
	WOSIM	N365336.72	W1195535.81	N3653.612	W11955.597
	ZUDAB	N364338.32	W1193805.42	N3643.639	W11938.090
	RW29L	N364613.21	W1194236.44	N3646.220	W11942.607

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29L	00330	52

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 330 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 29L, AMDT 2 08/22/2013	AMDT: 1
				DATED: 11/15/2012

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated; except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FRA VORTAC	OCAVI (FB)	158.22 / 18.00	4900
OCAVI	SANGO (FO)	157.95 / 8.66	2700
FRAME	SANGO (FO)	053.75 / 8.03	2700
ALTTA (IAF)	SANGO (NOPT) (FB)	291.61 / 11.46	2600
LATON (IAF)	SANGO (NOPT) (FB)	351.06 / 17.29	2600
SANGO (IF/IAF)	STORI (FB)	291.46 / 6.50	1800
STORI (FAF)	WILAB/1.40 NM TO RW29R (FB)	291.40 / 3.03	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW29R

CLIMB TO 2000 DIRECT MORLA AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 111.24 INBOUND.
CHART FAS OBST: 505 TOWER 364530N/1194223W
DISTANCE TO THLD FROM 200 HATH: 0.45 NM.
WAAS CHANNEL # 81803
REFERENCE PATH ID: W29A
CHART CIRCLING ICON.
LTP HAE: 69.5 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E SANGO, LT, 291.46 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 291.40 FAF: STORI DIST FAF TO MAP: 4.43 THLD: 4.43
4. MIN. ALT: SANGO 2600, STORI 1800, WILAB/1.40 NM TO RW29R 820*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: STORI 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.5 34:1 IS CLEAR
8. MSA FROM: RW29R 7800

MAG VAR: 14E EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	532	2400	200	532	2400	200	532	2400	200	532	2400	200			
LNAV/VNAV DA	688	3000	356	688	3000	356	688	3000	356	688	3000	356			
LNAV MDA	760	2400	428	760	2400	428	760	4000	428	760	4000	428			
CIRCLING	820	1	484	820	1	484	920	1 1/2	584	920	2	584			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0C (32F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT FRA VORTAC ON V230 NORTHBOUND.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 332 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FRESNO, CA	FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 29R, AMDT 1 08/22/2013	AMDT: ORIG
				DATED 09/01/2005

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WILAB/1.40 NM TO RW29R	RW29R (MAP) (FO)	291.40 / 1.40	
RW29R (MAP)	532 MSL	291.40	
532 MSL	MORLA (FO)		2000

QUALITY CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 332	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 29R, AMDT 1 08/22/2013	AMDT: ORIG
				DATED: 09/01/2005

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFAT
RUNWAY	RW29R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	364609.6065N
LTP/FTP LONGITUDE	1194215.8160W
LTP/FTP ELLIPSOIDAL HEIGHT	+00695
FPAP LATITUDE	364702.3900N
FPAP LONGITUDE	1194348.3100W
THRESHOLD CROSSING HEIGHT (TCH)	00057.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D7F2DC32

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+01012
FPAP ORTHOMETRIC HEIGHT	+01012

QUALITY A CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        FRA    K2011560VTLA N37061592W119354360    N37061592W119354360E0170023801     NARFRIANT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ALTTA K20    C   L N36330891W119193645                    E0131     NAR          ALTTA
        SUSAEAENRT   FRAME K20    C   L N36364674W119402553                    E0132     NAR          FRAME
        SUSAEAENRT   LATON K20    C   L N36223461W119330474                    E0131     NAR          LATON
        SUSAEAENRT   MORLA K20    C     N36530465W119542487                    E0133     NAR          MORLA
        SUSAEAENRT   OCAVI K20    W     N36482444W119324155                    E0132     NAR          OCAVI
        SUSAEAENRT   SANGO K20    C     N36394914W119311111                    E0132     NAR          SANGO
        SUSAEAENRT   STORI K20    C     N36433554W119374624                    E0132     NAR          STORI
        SUSAEAENRT   WILAB K20    C     N36452093W119405057                    E0133     NAR          WILAB

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2AFAT     0      095YHN36463560W119430780E014000336         1800018000C    MNAR    FRESNO YOSEMITE INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFATK2FR29R  AALTTA 010ALTTAK2EA0E  A    IF                                                18000                  A JS
        SUSAP KFATK2FR29R  AALTTA 020SANGOK2EA0EE B 010TF                    29160115    + 02600                                 A JS
        SUSAP KFATK2FR29R  AFRA   010FRA  K2D 0V       IF                                                18000                  A JS
        SUSAP KFATK2FR29R  AFRA   020OCAVIK2EA0E    020TF                    15820180    + 04900                                 A JS
        SUSAP KFATK2FR29R  AFRA   030SANGOK2EA0EY A 020TF                    15800087    + 02700                                 A JS
        SUSAP KFATK2FR29R  AFRA   040SANGOK2EA0EE AL   HF                    29150040    + 02600                                 A JS
        SUSAP KFATK2FR29R  AFRAME 010FRAMEK2EA0E      IF                                                18000                  A JS
        SUSAP KFATK2FR29R  AFRAME 020SANGOK2EA0EY A 020TF                    05380080    + 02700                                 A JS
        SUSAP KFATK2FR29R  AFRAME 030SANGOK2EA0EE AL   HF                    29150040    + 02600                                 A JS
        SUSAP KFATK2FR29R  ALATON 010LATONK2EA0E  A    IF                                                18000                  A JS
        SUSAP KFATK2FR29R  ALATON 020SANGOK2EA0EE B 010TF                    35110173    + 02600                                 A JS
        SUSAP KFATK2FR29R  R      010SANGOK2EA0E  I    IF                                + 02600 18000                           A JS
        SUSAP KFATK2FR29R  R      020STORIK2EA1E  F 051TF                    29150065    + 01800                RW29R K2PGA      JS
        SUSAP KFATK2FR29R  R      020STORIK2EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
        SUSAP KFATK2FR29R  R      021WILABK2EA0E S  031TF                    29140030    V 0082000835       -300                A JS
        SUSAP KFATK2FR29R  R      030RW29RK2PGOGY M 031TF                    29140014      00390            -300                A JS
        SUSAP KFATK2FR29R  R      040         0 M     CA                    2914        + 00532                                 A JS
        SUSAP KFATK2FR29R  R      050MORLAK2EA0EY      DF                                + 02000                                 A JS
        SUSAP KFATK2FR29R  R      060MORLAK2EA0EE  R   HM                    11120040    + 02000                                 A JS
```



CITY AND STATE	ELEVATION: 336 THRE: 332	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 29R, AMDT 1 08/22/2013	AMDT: ORIG
				DATED: 09/01/2005

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KFATK2GRW29R    0095392914 N36460961W119421582+0000     +0069500320312581501

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KFATK2PR29R  RW29R001 0000W29A0N3646096065W1194215816O+006950300N3647023900W11943483100106750000000575F400350D7F2DC32
         SUSAP KFATK2PR29R  RW29R002E       +01012+01012LPV       81803

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KFATK2SRW29RK2PG              0   18018007825                                                                        M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 332	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: FRESNO YOSEMITE INTL	RNAV	RNAV (GPS) RWY 29R, AMDT 1 08/22/2013	AMDT: ORIG
				DATED: 09/01/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALTTA	ALTTA	010	IAF	IF		FB					
	ALTTA	SANGO	020		TF		FB	1.0	291.6(305.6T)	011.5	AA 02600	
	FRA	FRA	010		IF		FB					
	FRA	OCAVI	020		TF		FB	2.0	158.2(172.2T)	018.0	AA 04900	
	FRA	SANGO	030	IAF	TF		FO	2.0	158.0(172.0T)	008.7	AA 02700	
	FRA	SANGO	040	IAF	HF	L	FO		291.5(305.5T)	004.0	AA 02600	
	FRAME	FRAME	010		IF		FB					
	FRAME	SANGO	020	IAF	TF		FO	2.0	053.8(067.8T)	008.0	AA 02700	
	FRAME	SANGO	030	IAF	HF	L	FO		291.5(305.5T)	004.0	AA 02600	
	LATON	LATON	010	IAF	IF		FB					
	LATON	SANGO	020		TF		FB	1.0	351.1(005.1T)	017.3	AA 02600	
		SANGO	010	FACF	IF		FB				AA 02600	
		STORI	020	FAF	TF		FB	0.5	291.5(305.5T)	006.5	AA 01800	
		WILAB	021	SDF	TF		FB	0.3	291.4(305.4T)	003.0	AA 00820 GS 00835	
		RW29R	030	MAP	TF		FO	0.3	291.4(305.4T)	001.4	AT 00390	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		291.4(305.4T)		AA 00532	
	MORLA	050		DF		FO				AA 02000	
	MORLA	060		HM	R	FO		111.2(125.2T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FRA	N370615.92	W1193543.60	N3706.265	W11935.727
	ALTTA	N363308.91	W1191936.45	N3633.149	W11919.608
	FRAME	N363646.74	W1194025.53	N3636.779	W11940.426
	LATON	N362234.61	W1193304.74	N3622.577	W11933.079
	MORLA	N365304.65	W1195424.87	N3653.078	W11954.415
	OCAVI	N364824.44	W1193241.55	N3648.407	W11932.693
	SANGO	N363949.14	W1193111.11	N3639.819	W11931.185
	STORI	N364335.54	W1193746.24	N3643.592	W11937.771
	WILAB	N364520.93	W1194050.57	N3645.349	W11940.843
	RW29R	N364609.61	W1194215.82	N3646.160	W11942.264

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29R	00332	58

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 332	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRESNO, CA	AIRPORT NAME: **FRESNO YOSEMITE INTL**	**RNAV**	**RNAV (GPS) RWY 29R, AMDT 1 08/22/2013**	AMDT: **ORIG**
				DATED: **09/01/2005**

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
FRESNO, CA	FRESNO YOSEMITE INTL	08/22/2013	8

TAKEOFF MINIMUMS:

RWY 11L, 11R, 29L, 29R: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

RWY 11L, 11R: CLIMBING LEFT TURN HEADING 291, THENCE...
RWY 29L, 29R: CLIMB HEADING 291, THENCE...

...CONTINUE CLIMB VIA HEADING 291 AND FRA VORTAC R-201.75 TO NIVEE INT / FRA 8.00 DME, CONTINUE CLIMB-IN-HOLD (HOLD S, RT, 021.75 INBOUND) TO CROSS NIVEE AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 11L, POLE 1228 FT FROM DER, 664 FT RIGHT OF CENTERLINE, 33 FT AGL/365 FT MSL. TREE 1420 FT FROM DER, 667 FT RIGHT OF CENTERLINE, 49 FT SGL/375 FT MSL. SIGN 1692 FT FROM DER, 863 FT RIGHT OF CENTERLINE, 51 FT AGL/383 FT MSL.

NOTE: RWY 11R, RUNWAY LIGHT ON POLE 11 FT FROM DER, 36 FT RIGHT OF CENTERLINE, 2 FT AGL/332 FT MSL. POLES BEGINNING 1205 FT FROM DER, 262 FT RIGHT OF CENTERLINE, UP TO 55 FT AGL/385 FT MSL.

NOTE: RWY 29L, TREES AND POLES BEGINNING 998 FT FROM DER, 14 FT LEFT OF CENTERLINE, UP TO 70 FT AGL/396 FT MSL. TREES AND POLES BEGINNING 1638 FT FROM DER, 81 FT RIGHT OF CENTERLINE, UP TO 53 FT AGL/379 FT MSL.

NOTE: RWY 29R, POLES BEGINNING 994 FT FROM DER, 548 FT RIGHT OF CENTERLINE, UP TO 32 FT AGL/365 FT MSL. TREES BEGINNING 1762 FT FROM DER, 873 FT LEFT OF CENTERLINE, UP TO 69 FT AGL/395 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT:
RWY 11L, 11R, 29L, 29R – 10812 FT MSL AAO 370827.70N/1190333.70W



TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
FRESNO, CA	FRESNO YOSEMITE INTL	08/22/2013	8

REMARKS:

VCOA NOT DEVELOPED PER ATC REQUEST DUE TO LOCAL AIR TRAFFIC.

FLIGHT INSPECTED BY:

Pending

REQUIRED EFFECTIVE DATE:

08/22/2013

DEVELOPED BY:

PETE GETZ (JOHN LINDSEY) AJV-354 02/06/2013

APPROVED BY:

DEBORAH COPELAND AJV-354 JUL 03 2013

COORDINATED WITH:

ATA, ALPA, AOPA, NBAA, ZOA, ARPT MGR,

CHANGES:

UPDATED TAKEOFF OBSTACLE NOTES..

REASONS:

NEW OBSTACLE DATA AVAILABLE.

THIS IS AN CORRECTED COPY OF THE FORM DEVELOPED ON 02/06/2013.
ADDED HARD DATE 08/22/2013 TO FORMS.

QUALITY

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BEREN/CZQ 12.62 DME (IF/IAF)	CZQ VORTAC (NOPT)	126.84 / 12.62	2700

MISSED APPROACH

MAP: CZQ 7.27 DME FIX
RW

CLIMBING LEFT TURN TO 2000 ON CZQ VORTAC R-124 TO SELMA/CZQ 18.63 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 304.00 INBOUND.
CHART FAS OBST: 494 TANK 364855N/1194453W
554 AAO 365030N/1194522W
CHART VDP AT 5.98 DME;
DISTANCE VDP TO THLD 1.30 MILES.
CZQ VORTAC TO RW11L: 3.00/55.
CHART CIRCLING ICON

1. PT L SIDE OF COURSE 310.70 OUTBOUND 2700 FT WITHIN 15 MILES OF CZQ VORTAC (IAF)
2.
3. FAC 130.70 FAF CZQ VORTAC DIST FAF TO MAP THLD 7.27
4. MIN. ALT CZQ VORTAC 2700, FOVOR/CZQ 4.00 DME 1420
8. MSA FROM: CZQ VORTAC 120-300 1900, 300-120 7800

MAG VAR: 15E EPOCH YEAR:1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-11L	800	5500	467	800	5500	467	800	1 3/8	467	800	1 3/8	467	800	1 3/8	467
SIDESTEP 11R	800	1	470	800	1	470	800	1 1/2	470	800	2	470	800	2	470
CIRCLING	820	1	484	820	1	484	920	1 1/2	584	920	2	584	1140	2 3/4	804

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

@ CAT E 900-2 3/4

QUALITY 11 CHECKED

CITY AND STATE	ELEVATION: 336 THRE: 11L 333 THRE: 11R 330 AIRPORT NAME: FRESNO YOSEMITE INTL	FACILITY IDENTIFIER: CZQ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME OR TACAN RWY 11L, AMDT 2 08/22/2013	SUP
FRESNO, CA				AMDT 1A
				DATE 04/10/2008

FAA FORM 8260-5 / April 2006 (computer generated)

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CCR VOR/DME	UPEND INT/I-SIA 28.97 DME	235.51 / 2.58	5000
UPEND INT/I-SIA 28.97 DME (IAF)	BERKS INT/I-SIA 17.36 DME	193.81 / 11.61 (I-SIA)	5000
BERKS INT/I-SIA 17.36 DME (IF)	SHAKE INT/I-SIA 10.60 DME	193.81 / 6.76 (I-SIA)	2900

MISSED APPROACH

ILS: DA
LOC: 9.04 MILES AFTER SHAKE INT/I-SIA 10.60 DME OR AT I-SIA 1.56 DME

CLIMB TO 500 THEN CLIMBING LEFT TURN TO 3000 ON SFO VOR/DME R-101 TO DUMBA INT/SFO 14.96 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 500 THEN CLIMBING LEFT TURN TO 3000 DIRECT SJC VOR/DME AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT BERKS INT/I-SIA 17.36 DME
3. FAC: 193.81 FAF: SHAKE INT/I-SIA 10.60 DME DIST FAF TO MAP: 9.04 THLD: 9.04
4. MIN. ALT: BERKS 5000, SHAKE 2900, ROGGE INT/I-SIA 6.70 DME 1900*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1147
6. MIN GS INCPT: 2900 GS ALT AT: SHAKE 2900 OM: - MM: - IM: -
7. GS ANGLE: 2.95 TCH: 60.1
8. MSA FROM: SFO VOR/DME 050-180 4500, 180-300 3500, 300-050 5100

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 280.59 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E
SJC VOR/DME, LT, 286.00 INBOUND.
CHART FAS OBST: 150 SHIP 374028N/1222020W
CHART VDP AT 2.55 DME*;
DISTANCE VDP TO THLD 0.99 MILES.
*LOC ONLY.
CHART IN PLANVIEW: SJC VOR/DME.

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD | LOC: @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 19L	299	3000	289	299	3000	289	299	3000	289	299	3000	289			
S-ILS 19L**	210	2600	200	210	2600	200	210	2600	200	210	2600	200			
S-LOC 19L	1900	6000	1890	1900	1 1/2	1890	1900	3	1890	1900	3	1890			
SIDESTEP 19R	400	5500	391	400	5500	391	400	1 1/2	391	400	2	391			

NOTES:
CHART NOTE: **MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 240 FEET PER NM TO 1200.
@ CAT A, B 1900-2, CAT C, D 1900-3
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
*LOC ONLY
CHART NOTE: FOR INOPERATIVE MALSF, INCREASE S-ILS 19L ALL CATS VISIBILITY TO RVR 4500.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 13 THRE: 19L 10 THRE: 19R 9 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	I-SIA	ILS OR LOC RWY 19L, AMDT 20 08/22/2013	AMDT: 19B DATED 08/30/2007

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

MINIMUMS CONT.

CATEGORY	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
ROGGE FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)															
S-LOC 19L	400	4000	390	400	4000	390	400	4500	390	400	4500	390			

NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE MALSF, INCREASE **S-ILS 19L ALL CATS VISIBILITY TO RVR 4000.
CHART NOTE: FOR INOPERATIVE MALSF, INCREASE ROGGE FIX MINIMUMS S-LOC 19L CATS A/B VISIBILITY TO RVR 5000, AND CATS C/D TO 1 1/8 MILE.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	ELEVATION: 13 THRE: 19L 10 THRE: 19R 9 AIRPORT NAME: SAN FRANCISCO INTL	I-SIA	ILS OR LOC RWY 19L, AMDT 20 08/22/2013	AMDT: 19B DATED: 08/30/2007

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - ILS

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD         CCR    K2011700VDTW N38024171W122024275    N38024171W122024275E0170000080     NARCONCORD
        SUSAD         SFO    K2011580VDLA N37371014W122222602    N37371014W122222602E0170000071     NARSAN FRANCISCO
        SUSAD KSFOK2  ISIA   K2010890 IT                      ISIAN37361871W122225941     000210     NARSAN FRANCISCO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAEAENRT    BERKS K20     C   L N37513910W122124204                    E0140     NAR           BERKS
        SUSAEAENRT    DUMBA K20     C     N37301266W122054613                    E0139     NAR           DUMBA
        SUSAEAENRT    SHAKE K20     C     N37454024W122164142                    E0139     NAR           SHAKE
        SUSAEAENRT    UPEND K20     C     N38015514W122054944                    E0140     NAR           UPEND

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KSFOK2ASFO      0      115YHN37370878W122223085E01400C013         1800018000C    MNAR    SAN FRANCISCO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KSFOK2FI19L   ACCR    010CCR  K2D 0V       IF                                          18000                  0 NS
        SUSAP KSFOK2FI19L   ACCR    020UPENDK2EA0E  A    TF                                  + 05000                        0 NS
        SUSAP KSFOK2FI19L   ACCR    030BERKSK2EA0EE B    CF ISIAK2      0138017419380116PI   + 05000                        0 NS
        SUSAP KSFOK2FI19L   I       010BERKSK2EA0E  I    IF ISIAK2      01380174        PI   J 050000290018000                  0 NS
        SUSAP KSFOK2FI19L   I       020SHAKEK2EA0E  F    CF ISIAK2      0138010619400068PI   H 0290002900        -295SFO   K2D 0 NS
        SUSAP KSFOK2FI19L   I       030RW19LK2PG0GY M    CF ISIAK2      0138001619400090PI     00070        -295              0 NS
        SUSAP KSFOK2FI19L   I       040          0  M    CA                   1938             + 00500                        0 NS
        SUSAP KSFOK2FI19L   I       050DUMBAK2EA0EY  L   CFYSFO K2      1006015010060150D    + 03000                        0 NS
        SUSAP KSFOK2FI19L   I       060DUMBAK2EA0EE  L   HM                   2806T010     + 03000                        0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
--------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2GRW19L   0086461938 N37374018W122220044+0000    -0029600010000060200IISIA1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
--------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2IISIA1   010890RW19LN37361628W1222256061938N37373158W1222210500949 11470418295E01406000007

                 1         2         3         4         5         6         7         8         9         0         1         2         3
```

CITY AND STATE	ELEVATION: 13	THRE: 19L 10	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	THRE: 19R 9	I-SIA	ILS OR LOC RWY 19L, AMDT 20 08/22/2013	AMDT: 19B DATED: 08/30/2007

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

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MSA     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2SSFO  K2D              0   120230051252303600452536012003525                                                          M
```

CITY AND STATE	ELEVATION: 13	THRE: 19L 10	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	THRE: 19R 9	I-SIA	ILS OR LOC RWY 19L, AMDT 20	AMDT: 19B
				08/22/2013	DATED: 08/30/2007

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CCR	CCR	010		IF		FB					
	CCR	UPEND	020	IAF	TF		FB				AA 05000	
	CCR	BERKS	030		CF		FB		193.8()	011.6	AA 05000	
		BERKS	010	FACF	IF		FB				AA 05000 GI 02900	
		SHAKE	020	FAF	CF		FB		194.0()	006.8	GI 02900 GS 02900	
		RW19L	030	MAP	CF		FO		194.0()	009.0	AT 00070	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		193.8()		AA 00500	
	DUMBA	050		CF	L	FO		100.6()	015.0	AA 03000	
	DUMBA	060		HM	L	FO		280.6()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CCR	N380241.71	W1220242.75	N3802.695	W12202.713
	SFO	N373710.14	W1222226.02	N3737.169	W12222.434
	ISIA (DME)	N373618.71	W1222259.41	N3736.312	W12222.990
	BERKS	N375139.10	W1221242.04	N3751.652	W12212.701
	DUMBA	N373012.66	W1220546.13	N3730.211	W12205.769
	SHAKE	N374540.24	W1221641.42	N3745.671	W12216.690
	UPEND	N380155.14	W1220549.44	N3801.919	W12205.824
	RW19L	N373740.18	W1222200.44	N3737.670	W12222.007
	ISIA (LOC)	N373616.28	W1222256.06	N3736.271	W12222.934

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19L	00010	60

CITY AND STATE	ELEVATION: 13	THRE: 19L 10	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	THRE: 19R 9	I-SIA	ILS OR LOC RWY 19L, AMDT 20 08/22/2013	AMDT: 19B
					DATED: 08/30/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - LOC

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD         CCR    K2011700VDTW N38024171W122024275    N38024171W122024275E0170000080     NARCONCORD
        SUSAD         SFO    K2011580VDLA N37371014W122222602    N37371014W122222602E0170000071     NARSAN FRANCISCO
        SUSAD KSFOK2  ISIA   K2010890 IT                      ISIAN37361871W122225941     000210     NARSAN FRANCISCO INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BERKS K20    C   L N37513910W122124204                    E0140     NAR           BERKS
        SUSAEAENRT   DUMBA K20    C     N37301266W122054613                    E0139     NAR           DUMBA
        SUSAEAENRT   ROGGE K20    R     N37421299W122185927                    E0139     NAR           ROGGE
        SUSAEAENRT   SHAKE K20    C     N37454024W122164142                    E0139     NAR           SHAKE
        SUSAEAENRT   UPEND K20    C     N38015514W122054944                    E0140     NAR           UPEND

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2ASFO     0      115YHN37370878W122223085E014000013          1800018000C    MNAR    SAN FRANCISCO INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2FL19L  ACCR   010CCR  K2D 0V       IF                                                  18000                 0 NS
        SUSAP KSFOK2FL19L  ACCR   020UPENDK2EA0E  A    TF                                  + 05000                                   0 NS
        SUSAP KSFOK2FL19L  ACCR   030BERKSK2EA0EE B    CF ISIAK2      0138017419380116PI   + 05000                                   0 NS
        SUSAP KSFOK2FL19L  L      010BERKSK2EA0E  I    IF ISIAK2      01380174         PI  + 05000     18000                     0 NS
        SUSAP KSFOK2FL19L  L      020SHAKEK2EA0E  F    CF ISIAK2      0138010619400068PI   + 02900                 SFO   K2D 0 NS
        SUSAP KSFOK2FL19L  L      021ROGGEK2EA0E S     CF ISIAK2      0138006719400039PI   + 01900           -336                  0 NS
        SUSAP KSFOK2FL19L  L      030RW19LK2PG0GY M    CF ISIAK2      0138001619400051PI     00070           -336                  0 NS
        SUSAP KSFOK2FL19L  L      040          0  M    CA                      1938         + 00500                               0 NS
        SUSAP KSFOK2FL19L  L      050DUMBAK2EA0EY  L   CFYSFO K2      10060150100601 50D   + 03000                               0 NS
        SUSAP KSFOK2FL19L  L      060DUMBAK2EA0EE  L   HM                      2806T010     + 03000                               0 NS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2GRW19L   0086461938 N37374018W122220044+0000     -0029600010000060200IISIA1

                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2IISIA1   010890RW19LN37361628W1222256061938N37373158W1222210500949 11470418295E01406000007
```

CITY AND STATE	ELEVATION: 13 THRE: 19L 10	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: THRE: 19R 9 SAN FRANCISCO INTL	I-SIA	ILS OR LOC RWY 19L, AMDT 20 08/22/2013	AMDT: 19B
				DATED: 08/30/2007

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2SSFO  K2D               0   120230051252303600452536012003525                                          M
```

CITY AND STATE	ELEVATION: 13	THRE: 19L 10	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	THRE: 19R 9	I-SIA	ILS OR LOC RWY 19L, AMDT 20 08/22/2013	AMDT: 19B DATED: 08/30/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CCR	CCR	010		IF		FB					
	CCR	UPEND	020	IAF	TF		FB				AA 05000	
	CCR	BERKS	030		CF		FB		193.8()	011.6	AA 05000	
		BERKS	010	FACF	IF		FB				AA 05000	
		SHAKE	020	FAF	CF		FB		194.0()	006.8	AA 02900	
		ROGGE	021	SDF	CF		FB		194.0()	003.9	AA 01900	
		RW19L	030	MAP	CF		FO		194.0()	005.1	AT 00070	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		193.8()		AA 00500	
	DUMBA	050		CF	L	FO		100.6()	015.0	AA 03000	
	DUMBA	060		HM	L	FO		280.6()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CCR	N380241.71	W1220242.75	N3802.695	W12202.713
	SFO	N373710.14	W1222226.02	N3737.169	W12222.434
	ISIA (DME)	N373618.71	W1222259.41	N3736.312	W12222.990
	BERKS	N375139.10	W1221242.04	N3751.652	W12212.701
	DUMBA	N373012.66	W1220546.13	N3730.211	W12205.769
	ROGGE	N374212.99	W1221859.27	N3742.217	W12218.988
	SHAKE	N374540.24	W1221641.42	N3745.671	W12216.690
	UPEND	N380155.14	W1220549.44	N3801.919	W12205.824
	RW19L	N373740.18	W1222200.44	N3737.670	W12222.007
	ISIA (LOC)	N373616.28	W1222256.06	N3736.271	W12222.934

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19L	00010	60

CITY AND STATE	ELEVATION: 13	THRE: 19L 10	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	THRE: 19R 9	I-SIA	ILS OR LOC RWY 19L, AMDT 20 08/22/2013	AMDT: 19B
					DATED: 08/30/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MENLO INT (IAF)	HEMAN INT/I-SFO 11.97 DME	359.00 / 3.39 (HDG) & 283.81 / 1.61 (I-SFO)	3100
FAITH/SFO 27.72 DME (IAF)	DIVEC/I-SFO 24.86 DME	281.00 / 3.98 (SFO R-101)	7000
DIVEC/I-SFO 24.86 DME	PONKE/I-SFO 21.56 DME	283.81 / 3.30 (I-SFO)	6000
PONKE/I-SFO 21.56 DME	WETOR/I-SFO 18.25 DME	283.81 / 3.31 (I-SFO)	5000
WETOR/I-SFO 18.25 DME	ROKME/I-SFO 14.95 DME	283.81 / 3.31 (I-SFO)	4000
ROKME/I-SFO 14.95 DME	HEMAN INT/I-SFO 11.97 DME	283.81 / 2.97 (I-SFO)	3100
HEMAN INT/I-SFO 11.97 DME (IF)	DUYET INT/I-SFO 7.67 DME	283.81 / 4.30 (I-SFO)	1800

MISSED APPROACH

ILS: DA
LOC: 3.36 MILES AFTER NEPIC/5.30 DME OR AT I-SFO 1.94 DME FIX.

CLIMB TO 4000 ON SFO VOR/DME R-275 TO OLYMM INT/SFO 15.37 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2100 THEN CLIMBING LEFT TURN TO 5000 DIRECT SJC VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 275.21 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E SJC VOR/DME, LT, 286.00 INBOUND.
CHART FAS OBST: 203 TREE 373525N/1221919W
CHART 217 T-L TWR 373441N/1221522W
CHART VDP AT 3.21 DME*;
DISTANCE VDP TO THLD 1.27 MILES.
*LOC ONLY.
CHART (CFBHX) AT INTERSECTION OF MENLO DR LEG AND INTERMEDIATE COURSE.
CHART CIRCLING ICON
CHART IN PLANVIEW: AT OR ABOVE 4000 AT MENLO.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT DIVEC/I-SFO 24.86 DME
3. FAC: 283.81 FAF: DUYET INT/I-SFO 7.67 DME DIST FAF TO MAP: 5.73 THLD: 5.73
4. MIN. ALT: DIVEC 7000, PONKE 6000, WETOR 5000, ROKME 4000, HEMAN 3100, DUYET 1800, NEPIC 1080
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: 952 GS ANT: 1067
6. MIN GS INCPT: 1800 GS ALT AT: DUYET 1800, NEPIC 1080 OM: - MM: - IM: -
7. GS ANGLE: 2.85 TCH: 52.6
8. MSA FROM: SFO VOR/DME 050-180 4500, 180-300 3500, 300-050 5100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD # LOC: STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 28L + ##	213	2400	200	213	2400	200	213	2400	200	213	2400	200			
S-ILS 28L	789	2 1/2	776	789	2 1/2	776	789	2 1/2	776	789	2 1/2	776			
S-LOC 28L ##	460	2400	447	460	2400	447	460	4500	447	460	4500	447			
S-LOC 28L	760	2400	747	760	4000	747	760	1 3/4	747	760	1 3/4	747			
CIRCLING	640	1	627	1000	1 1/2	987	1560	3	1547		NA				

NOTES:
CHART NOTE: DME REQUIRED.
CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.
##SA CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 28L:
CAT A, B, C, D, RA 100, RVR 1200, HATh 100, DA 113 MSL.
(SEE FORM 8260-10)

CAT A 700-2, CAT B 1000-2, CAT C 1600-3
@ CAT B 1000-2, CAT C 1600-3

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	I-SFO	ILS OR LOC RWY 28L, AMDT 24 ILS RWY 28L (SA CAT II) 8/22/2013	AMDT: 23 DATED 09/20/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: + RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.
CHART NOTE: ##MISSED APPROACH REQUIRES MINIMUM CLIMB OF 325 FEET PER NM TO 2100.
CHART NOTE: CIRCLING NA TO RWYS 10L, 10R, 19L, AND 19R.
CHART NOTE: CIRCLING TO RWY 01L AND 01R NA AT NIGHT.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 28R.
CHART NOTE: SIMULTANEOUS OPERATIONS REQUIRE USE OF VERTICAL GUIDANCE; MAINTAIN LAST ASSIGNED ALTITUDE UNTIL ESTABLISHED ON GLIDESLOPE.
CHART PROFILE NOTE: USE I-SFO DME WHEN ON THE LOCALIZER COURSE.
CHART PROFILE NOTE: VGSI AND ILS GLIDE PATH NOT COINCIDENT.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-LOC CAT C AND D VISIBILITY TO 2 MILE.
SA CAT II CHART NOTE: MISSED APPROACH REQUIRES MINIMUM CLIMB OF 325 FEET PER NM TO 2100, IF UNABLE TO MEET CLIMB GRADIENT, SEE ILS OR LOC RWY 28L.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	I-SFO	ILS OR LOC RWY 28L, AMDT 24 ILS RWY 28L (SA CAT II) 8/22/2013	AMDT: 23 DATED: 09/20/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - ILS

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        SFO   K2011580VDLA N37371014W122222602    N37371014W122222602E0170000071     NARSAN FRANCISCO
        SUSAD KSFOK2 ISFO  K2010955 IT                    ISFON37373977W122234155     000060     NARSAN FRANCISCO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CFBHX K20    W     N37310765W122081567                    E0139     NAR           CNF(CFBHX)
        SUSAEAENRT   DIVEC K20    C     N37255838W121560603                    E0138     NAR           DIVEC
        SUSAEAENRT   DUYET K20    C     N37340264W122151054                    E0139     NAR           DUYET
        SUSAEAENRT   FAITH K20    C     N37240438W121514284                    E0138     NAR           FAITH
        SUSAEAENRT   HEMAN K20    C     N37320186W122102400                    E0139     NAR           HEMAN
        SUSAEAENRT   MENLO K20    C     N37274927W122091317                    E0139     NAR           MENLO
        SUSAEAENRT   OLYMM K20    C     N37425770W122402168                    E0140     NAR           OLYMM
        SUSAEAENRT   PONKE K20    C     N37273174W121594579                    E0138     NAR           PONKE
        SUSAEAENRT   ROKME K20    C     N37303813W122070579                    E0139     NAR           ROKME
        SUSAEAENRT   WETOR K20    C     N37290499W122032571                    E0139     NAR           WETOR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2ASFO     0     115YHN37370878W122223085E014000013         1800018000C    MNAR    SAN FRANCISCO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2FI28L  AFAITH 010FAITHK2EA0E  A    IF                                                  18000                0 DS
        SUSAP KSFOK2FI28L  AFAITH 020DIVECK2EA0E       TF                                          + 07000                      0 DS
        SUSAP KSFOK2FI28L  AFAITH 030PONKEK2EA0E       TF                                          + 06000                      0 DS
        SUSAP KSFOK2FI28L  AFAITH 040WETORK2EA0E       TF                                          + 05000                      0 DS
        SUSAP KSFOK2FI28L  AFAITH 050ROKMEK2EA0E       TF                                          + 04000                      0 DS
        SUSAP KSFOK2FI28L  AFAITH 060HEMANK2EA0EE B    CF ISFOK2      1038012028380030PI           + 03100                      0 DS
        SUSAP KSFOK2FI28L  AMENLO 010MENLOK2EA0E  A    IF                                          + 04000     18000            0 DS
        SUSAP KSFOK2FI28L  AMENLO 020CFBHXK2EA0E       TF                                          + 03100                      0 DS
        SUSAP KSFOK2FI28L  AMENLO 030HEMANK2EA0EE B    CF ISFOK2      1038012028380016PI           + 03100                      0 DS
        SUSAP KSFOK2FI28L  I      010HEMANK2EA0E  I    IF ISFOK2      10380120         PI      J 031000180018000                0 DS
        SUSAP KSFOK2FI28L  I      020DUYETK2EA0E  F    CF ISFOK2      1038007728400043PI     H 0180001800        -285SFO   K2D 0 DS
        SUSAP KSFOK2FI28L  I      030RW28LK2PG0GY M    CF ISFOK2      1038001928400057PI       00065             -285           0 DS
        SUSAP KSFOK2FI28L  I      040          0  M    CA                   2838               + 00500                      0 DS
        SUSAP KSFOK2FI28L  I      050OLYMMK2EA0EY      CF SFO K2      2752015427520160D        + 04000                      0 DS
        SUSAP KSFOK2FI28L  I      060OLYMMK2EA0EE  L   HM                   2752T010           + 04000                      0 DS
```

QUALITY 11 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: **SAN FRANCISCO INTL**	**I-SFO**	**ILS OR LOC RWY 28L, AMDT 24** **ILS RWY 28L (SA CAT II)** 8/22/2013	AMDT: **23** DATED: **09/20/2012**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2GRW28L    0110812838 N37364354W122213335+0000     -0028700013000053200IISFO2

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2IISFO2    010955RW28LN37373746W1222341892838N37365128W1222143210610 10670334285E01405300007

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2SSFO  K2D               0   120230051252303600452536012003525                                                M
```

QUALITY 11 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	I-SFO	ILS OR LOC RWY 28L, AMDT 24 ILS RWY 28L (SA CAT II) 8/22/2013	AMDT: 23 DATED: 09/20/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FAITH	FAITH	010	IAF	IF		FB					
	FAITH	DIVEC	020		TF		FB				AA 07000	
	FAITH	PONKE	030		TF		FB				AA 06000	
	FAITH	WETOR	040		TF		FB				AA 05000	
	FAITH	ROKME	050		TF		FB				AA 04000	
	FAITH	HEMAN	060		CF		FB		283.8()	003.0	AA 03100	
	MENLO	MENLO	010	IAF	IF		FB				AA 04000	
	MENLO	CFBHX	020		TF		FB				AA 03100	
	MENLO	HEMAN	030		CF		FB		283.8()	001.6	AA 03100	
		HEMAN	010	FACF	IF		FB				AA 03100 GI 01800	
		DUYET	020	FAF	CF		FB		284.0()	004.3	GI 01800 GS 01800	
		RW28L	030	MAP	CF		FO		284.0()	005.7	AT 00065	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		283.8()		AA 00500	
	OLYMM	050		CF		FO		275.2()	016.0	AA 04000	
	OLYMM	060		HM	L	FO		275.2()	T01.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SFO	N373710.14	W1222226.02	N3737.169	W12222.434
	ISFO (DME)	N373739.77	W1222341.55	N3737.663	W12223.693
	CFBHX	N373107.65	W1220815.67	N3731.128	W12208.261
	DIVEC	N372558.38	W1215606.03	N3725.973	W12156.101
	DUYET	N373402.64	W1221510.54	N3734.044	W12215.176
	FAITH	N372404.38	W1215142.84	N3724.073	W12151.714
	HEMAN	N373201.86	W1221024.00	N3732.031	W12210.400
	MENLO	N372749.27	W1220913.17	N3727.821	W12209.220
	OLYMM	N374257.70	W1224021.68	N3742.962	W12240.361
	PONKE	N372731.74	W1215945.79	N3727.529	W12159.763
	ROKME	N373038.13	W1220705.79	N3730.636	W12207.097
	WETOR	N372904.99	W1220325.71	N3729.083	W12203.429
	RW28L	N373643.54	W1222133.35	N3736.726	W12221.556
	ISFO (LOC)	N373737.46	W1222341.89	N3737.624	W12223.698

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28L	00013	53

QUALITY CHECKED 11

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	I-SFO	ILS OR LOC RWY 28L, AMDT 24 ILS RWY 28L (SA CAT II) 8/22/2013	AMDT: 23 DATED: 09/20/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - LOC

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        SFO   K2011580VDLA N37371014W122222602    N37371014W122222602E0170000071     NARSAN FRANCISCO
        SUSAD KSFOK2 ISFO  K2010955 IT                      ISFON37373977W122234155     000060     NARSAN FRANCISCO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CFBHX K20    W     N37310765W122081567                        E0139     NAR          CNF(CFBHX)
        SUSAEAENRT   DIVEC K20    C     N37255838W121560603                        E0138     NAR          DIVEC
        SUSAEAENRT   DUYET K20    C     N37340264W122151054                        E0139     NAR          DUYET
        SUSAEAENRT   FAITH K20    C     N37240438W121514284                        E0138     NAR          FAITH
        SUSAEAENRT   HEMAN K20    C     N37320186W122102400                        E0139     NAR          HEMAN
        SUSAEAENRT   MENLO K20    C     N37274927W122091317                        E0139     NAR          MENLO
        SUSAEAENRT   OLYMM K20    C     N37425770W122402168                        E0140     NAR          OLYMM
        SUSAEAENRT   PONKE K20    C     N37273174W121594579                        E0138     NAR          PONKE
        SUSAEAENRT   ROKME K20    C     N37303813W122070579                        E0139     NAR          ROKME
        SUSAEAENRT   WETOR K20    C     N37290499W122032571                        E0139     NAR          WETOR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2ASFO     0     115YHN37370878W122223085E014000013         1800018000C    MNAR    SAN FRANCISCO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2FL28L  AFAITH 010FAITHK2EA0E  A    IF                                                18000                0 DS
        SUSAP KSFOK2FL28L  AFAITH 020DIVECK2EA0E       TF                                  + 07000                           0 DS
        SUSAP KSFOK2FL28L  AFAITH 030PONKEK2EA0E       TF                                  + 06000                           0 DS
        SUSAP KSFOK2FL28L  AFAITH 040WETORK2EA0E       TF                                  + 05000                           0 DS
        SUSAP KSFOK2FL28L  AFAITH 050ROKMEK2EA0E       TF                                  + 04000                           0 DS
        SUSAP KSFOK2FL28L  AFAITH 060HEMANK2EA0EE B    CF ISFOK2      1038012028380030PI   + 03100                           0 DS
        SUSAP KSFOK2FL28L  AMENLO 010MENLOK2EA0E  A    IF                                  + 04000    18000                  0 DS
        SUSAP KSFOK2FL28L  AMENLO 020CFBHXK2EA0E       TF                                  + 03100                           0 DS
        SUSAP KSFOK2FL28L  AMENLO 030HEMANK2EA0EE B    CF ISFOK2      1038012028380016PI   + 03100                           0 DS
        SUSAP KSFOK2FL28L  L      010HEMANK2EA0E  I    IF ISFOK2      10380120        PI   + 03100    18000                  0 DS
        SUSAP KSFOK2FL28L  L      020DUYETK2EA0E  F    CF ISFOK2      1038007728400043PI   + 01800                SFO  K2D 0 DS
        SUSAP KSFOK2FL28L  L      030RW28LK2PG0GY M    CF ISFOK2      1038001928400057PI     00065          -286              0 DS
        SUSAP KSFOK2FL28L  L      040         0  M     CA                   2838             + 00500                           0 DS
        SUSAP KSFOK2FL28L  L      050OLYMMK2EA0EY      CF SFO K2      2752015427520160D    + 04000                           0 DS
        SUSAP KSFOK2FL28L  L      060OLYMMK2EA0EE  L   HM                   2752T010         + 04000                           0 DS
```

QUALITY CHECKED 11

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	I-SFO	ILS OR LOC RWY 28L, AMDT 24 ILS RWY 28L (SA CAT II) 8/22/2013	AMDT: 23 DATED: 09/20/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2GRW28L   0110812838 N37364354W122213335+0000     -00287000130000532001ISFO2

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2IISFO2   010955RW28LN37373746W1222341892838N37365128W1222143210610 10670334285E01405300007

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2SSFO  K2D              0   120230051252303600452536012003525                                          M
```

QUALITY CHECKED 11

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	I-SFO	ILS OR LOC RWY 28L, AMDT 24 ILS RWY 28L (SA CAT II) 8/22/2013	AMDT: 23 DATED: 09/20/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FAITH	FAITH	010	IAF	IF		FB					
	FAITH	DIVEC	020		TF		FB				AA 07000	
	FAITH	PONKE	030		TF		FB				AA 06000	
	FAITH	WETOR	040		TF		FB				AA 05000	
	FAITH	ROKME	050		TF		FB				AA 04000	
	FAITH	HEMAN	060		CF		FB		283.8()	003.0	AA 03100	
	MENLO	MENLO	010	IAF	IF		FB				AA 04000	
	MENLO	CFBHX	020		TF		FB				AA 03100	
	MENLO	HEMAN	030		CF		FB		283.8()	001.6	AA 03100	
		HEMAN	010	FACF	IF		FB				AA 03100	
		DUYET	020	FAF	CF		FB		284.0()	004.3	AA 01800	
		RW28L	030	MAP	CF		FO		284.0()	005.7	AT 00065	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		283.8()		AA 00500	
	OLYMM	050		CF		FO		275.2()	016.0	AA 04000	
	OLYMM	060		HM	L	FO		275.2()	T01.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SFO	N373710.14	W1222226.02	N3737.169	W12222.434
	ISFO (DME)	N373739.77	W1222341.55	N3737.663	W12223.693
	CFBHX	N373107.65	W1220815.67	N3731.128	W12208.261
	DIVEC	N372558.38	W1215606.03	N3725.973	W12156.101
	DUYET	N373402.64	W1221510.54	N3734.044	W12215.176
	FAITH	N372404.38	W1215142.84	N3724.073	W12151.714
	HEMAN	N373201.86	W1221024.00	N3732.031	W12210.400
	MENLO	N372749.27	W1220913.17	N3727.821	W12209.220
	OLYMM	N374257.70	W1224021.68	N3742.962	W12240.361
	PONKE	N372731.74	W1215945.79	N3727.529	W12159.763
	ROKME	N373038.13	W1220705.79	N3730.636	W12207.097
	WETOR	N372904.99	W1220325.71	N3729.083	W12203.429
	RW28L	N373643.54	W1222133.35	N3736.726	W12221.556
	ISFO (LOC)	N373737.46	W1222341.89	N3737.624	W12223.698

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28L	00013	53



CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	I-SFO	ILS OR LOC RWY 28L, AMDT 24 ILS RWY 28L (SA CAT II) 8/22/2013	AMDT: 23 DATED: 09/20/2012

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MEHTA INT (IAF)	DUMBA INT/I-GWQ 16.13 DME	280.81 / 5.38 (SFO R-101)	4000
DUMBA INT/ 16.13 DME	CEPIN INT/I-GWQ 11.99 DME	283.82 / 4.15 (I-GWQ)	3000
MENLO INT (IAF)	CEPIN INT/I-GWQ 11.99 DME	331.04 / 4.43 (OAK R-151)	3000
CEPIN INT/I-GWQ 11.99 DME (IF)	AXMUL INT/I-GWQ 7.43 DME	283.82 / 4.55 (I-GWQ)	1800

MISSED APPROACH

ILS: DA
LOC: 5.44 MILES AFTER AXMUL INT/I-GWQ 7.43 DME OR AT I-GWQ 1.99 DME FIX

CLIMB TO 3000 ON SFO VOR/DME R-281 TO VIKYU INT/SFO 12.00 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2600 ON HEADING 281 THEN CLIMBING RIGHT TURN TO 4000 VIA RADAR VECTORS TO SAU VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 281.08 INBOUND.
FAS OBST: 224 AAO 373413N/1221613W
CHART VDP AT 3.25 DME*;
DISTANCE VDP TO THLD 1.25 MILES.
*LOC ONLY.
CHART CIRCLING ICON
CHART 317 T-L TWR 373456N/1221506W

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CEPIN
3. FAC: 283.82 FAF: AXMUL INT/I-GWQ 7.43 DME DIST FAF TO MAP: 5.44 THLD: 5.44
4. MIN. ALT: CEPIN 3000, AXMUL 1800
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: 1815 100 HAT: 861 GS ANT: 1067
6. MIN GS INCPT: 1800 GS ALT AT: AXMUL 1800 OM: - MM: - IM: 112
7. GS ANGLE: 3.00 TCH: 55.2
8. MSA FROM: SFO VOR/DME 050-180 4500, 180-300 3500, 300-050 5100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD # | LOC: STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 28R	213	1800	200	213	1800	200	213	1800	200	213	1800	200			
S-LOC 28R	480	2400	467	480	2400	467	480	5000	467	480	5000	467			
SIDESTEP 28L	480	5000	467	480	5000	467	480	5000	467	480	1 1/2	467			
CIRCLING	640	1	627	1000	1 1/2	987	1560	3	1547		NA				

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 28R: CAT A, B, C, D, RA 113, RVR 1200, HATh 100, DA 113 MSL.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS-28R: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA.
(SEE FORM 8260-10)

CAT A 700-2, CAT B 1000-2, CAT C 1600-3
@ CAT B 1000-2, CAT C 1600-3

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 28R 13 THRE: 28L 13 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	I-GWQ	ILS OR LOC RWY 28R, AMDT 12 ILS RWY 28R (CAT II) , ILS RWY 28R (CAT III), ILS RWY 28R (SA CAT I) 8/22/2013	AMDT: 11 DATED 01/18/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):
SA CATEGORY I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 28R:
CAT A, B, C, D, RA 163, RVR 1400, HATh 150, DA 163 MSL
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH
CHART NOTE: FOR INOPERATIVE ALSF INCREASE S-ILS 28R ALL CATS VISIBILITY TO RVR 4000,
INCREASE S-LOC 28R CAT C AND D VISIBILITY TO 1 3/8 MILE
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 28L CAT A AND B
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT
CHART PROFILE NOTE: USE I-GWQ DME WHEN ON THE LOCALIZER COURSE
CHART PLANVIEW NOTE: RADAR REQUIRED
CHART NOTE: CIRCLING NA TO RWYs 10L, 10R, 19L, AND 19R.
CHART NOTE: CIRCLING TO RWY 01L AND 01R NA AT NIGHT
CHART NOTE: MISSED APPROACH REQUIRES MINIMUM CLIMB OF 350 FEET PER NM TO 1900; IF UNABLE TO MEET CLIMB GRADIENT, SEE ILS OR LOC RWY 28L.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 28L.
CHART NOTE: SIMULTANEOUS OPERATIONS REQUIRE USE OF VERTICAL GUIDANCE; MAINTAIN LAST ASSIGNED ALTITUDE UNTIL ESTABLISHED ON GLIDESLOPE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 28R 13 THRE: 28L 13	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	I-GWQ	ILS OR LOC RWY 28R, AMDT 12 ILS RWY 28R (CAT II) , ILS RWY 28R (CAT III) ILS RWY 28R (SA CAT I) 8/22/2013	AMDT: 11 DATED: 01/18/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - ILS

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        OAK   K2011680VTHA N37433332W122132491    N37433332W122132491E0170000132     NAROAKLAND
        SUSAD        SFO   K2011580VDLA N37371014W122222602    N37371014W122222602E0170000071     NARSAN FRANCISCO
        SUSAD KSFOK2 IGWQ  K2011170 IT                      IGWQN37374819W122234061     000170     NARSAN FRANCISCO INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AXMUL K20    C     N37341746W122152595                    E0139     NAR          AXMUL
        SUSAEAENRT   CEPIN K20    C     N37320943W122102235                    E0139     NAR          CEPIN
        SUSAEAENRT   DUMBA K20    C     N37301266W122054613                    E0139     NAR          DUMBA
        SUSAEAENRT   MEHTA K20    C     N37274209W121594749                    E0138     NAR          MEHTA
        SUSAEAENRT   MENLO K20    C     N37274927W122091317                    E0139     NAR          MENLO
        SUSAEAENRT   VIKYU K20    C     N37424864W122354634                    E0140     NAR          VIKYU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2ASFO     0     115YHN37370878W122223085E014000013         1800018000C    MNAR    SAN FRANCISCO INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2FI28R  AMEHTA 010MEHTAK2EA0E  A    IF                                          18000                  0 NS
        SUSAP KSFOK2FI28R  AMEHTA 020DUMBAK2EA0E       TF                                + 04000                        0 NS
        SUSAP KSFOK2FI28R  AMEHTA 030CEPINK2EA0EE B    CF IGWQK2      1038012028380042PI + 03000                        0 NS
        SUSAP KSFOK2FI28R  AMENLO 010MENLOK2EA0E  A    FC OAK K2      1510016133100024D  + 03000     18000              0 NS
        SUSAP KSFOK2FI28R  AMENLO 020CEPINK2EA0EE B    CF IGWQK2      1038012033100020PI + 03000                        0 NS
        SUSAP KSFOK2FI28R  I      010CEPINK2EA0E  I    IF IGWQK2      10380120        PI J 0300001800180000                0 NS
        SUSAP KSFOK2FI28R  I      020AXMULK2EA0E  F    CF IGWQK2      1038007428400046PI H 0180001800          -300SFO   K2D 0 NS
        SUSAP KSFOK2FI28R  I      030RW28RK2PG0GY M    CF IGWQK2      1038002028400054PI   00068               -300         0 NS
        SUSAP KSFOK2FI28R  I      040VIKYUK2EA0EYM     CF SFO K2      28110120281101300  + 03000                           0 NS
        SUSAP KSFOK2FI28R  I      050VIKYUK2EA0EE  R   HM                    2811T010    + 03000                           0 NS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2GRW28R   0115702838 N37365010W122212900-0100     -0028700013000055200IIGWQ3     IFNPL

                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
```

QUALITY CHECKED 11

CITY AND STATE	ELEVATION: 13 THRE: 28R 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: **SAN FRANCISCO INTL** THRE: 28L 13	**I-GWQ**	**ILS OR LOC RWY 28R, AMDT 12** **ILS RWY 28R (CAT II), ILS RWY 28R (CAT III)** **ILS RWY 28R (SA CAT I)** 8/22/2013	AMDT: **11** DATED: **01/18/2007**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
      SUSAP KSFOK2IIGWQ3    011170RW28RN37374635W1222343122838N37365140W1222143130628 10670329300E01405500007

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
      ------------------------------------------------------------------------------------------------------------------------------
      SUSAP KSFOK2SSFO  K2D              0   120230051252303600452536012003525                                              M
```

CITY AND STATE	ELEVATION: 13 / AIRPORT NAME: SAN FRANCISCO INTL	THRE: 28R 13 / THRE: 28L 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:	
SAN FRANCISCO, CA			I-GWQ	ILS OR LOC RWY 28R, AMDT 12 ILS RWY 28R (CAT II), ILS RWY 28R (CAT III) ILS RWY 28R (SA CAT I) 8/22/2013	AMDT:	11
					DATED:	01/18/2007

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MEHTA	MEHTA	010	IAF	IF		FB					
	MEHTA	DUMBA	020		TF		FB				AA 04000	
	MEHTA	CEPIN	030		CF		FB		283.8()	004.2	AA 03000	
	MENLO	MENLO	010	IAF	FC		FB		331.0()	002.4	AA 03000	
	MENLO	CEPIN	020		CF		FB		331.0()	002.0	AA 03000	
		CEPIN	010	FACF	IF		FB				AA 03000 GI 01800	
		AXMUL	020	FAF	CF		FB		284.0()	004.6	GI 01800 GS 01800	
		RW28R	030	MAP	CF		FO		284.0()	005.4	AT 00068	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	VIKYU	040		CF		FO		281.1()	013.0	AA 03000	
	VIKYU	050		HM	R	FO		281.1()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OAK	N374333.32	W1221324.91	N3743.555	W12213.415
	SFO	N373710.14	W1222226.02	N3737.169	W12222.434
	IGWQ (DME)	N373748.19	W1222340.61	N3737.803	W12223.677
	AXMUL	N373417.46	W1221525.95	N3734.291	W12215.433
	CEPIN	N373209.43	W1221022.35	N3732.157	W12210.373
	DUMBA	N373012.66	W1220546.13	N3730.211	W12205.769
	MEHTA	N372742.09	W1215947.49	N3727.702	W12159.792
	MENLO	N372749.27	W1220913.17	N3727.821	W12209.220
	VIKYU	N374248.64	W1223546.34	N3742.811	W12235.772
	RW28R	N373650.10	W1222129.00	N3736.835	W12221.483
	IGWQ (LOC)	N373746.35	W1222343.12	N3737.773	W12223.719

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28R	00013	55

QUALITY 11 CHECKED

CITY AND STATE	ELEVATION: 13	THRE: 28R 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: **SAN FRANCISCO INTL**	**THRE: 28L 13**	**I-GWQ**	**ILS OR LOC RWY 28R, AMDT 12** **ILS RWY 28R (CAT II), ILS RWY 28R (CAT III)** **ILS RWY 28R (SA CAT I)** 8/22/2013	AMDT: **11** DATED: **01/18/2007**

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ARINC PACKET - 424-18 - LOC

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        OAK   K2011680VTHA N37433332W122132491    N37433332W122132491E0170000132     NAROAKLAND
          SUSAD        SFO   K2011580VDLA N37371014W122222602    N37371014W122222602E0170000071     NARSAN FRANCISCO
          SUSAD KSFOK2 IGWQ  K2011170 IT                      IGWQN37374819W122234061     000170     NARSAN FRANCISCO INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   AXMUL K20    C     N37341746W122152595                    E0139     NAR          AXMUL
          SUSAEAENRT   CEPIN K20    C     N37320943W122102235                    E0139     NAR          CEPIN
          SUSAEAENRT   DUMBA K20    C     N37301266W122054613                    E0139     NAR          DUMBA
          SUSAEAENRT   MEHTA K20    C     N37274209W121594749                    E0138     NAR          MEHTA
          SUSAEAENRT   MENLO K20    C     N37274927W122091317                    E0139     NAR          MENLO
          SUSAEAENRT   VIKYU K20    C     N37424864W122354634                    E0140     NAR          VIKYU

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2ASFO     0     115YHN37370878W122223085E014000013         1800018000C    MNAR     SAN FRANCISCO INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2FL28R  AMEHTA 010MEHTAK2EA0E  A    IF                                          18000                 0 NS
          SUSAP KSFOK2FL28R  AMEHTA 020DUMBAK2EA0E       TF                                  + 04000                       0 NS
          SUSAP KSFOK2FL28R  AMEHTA 030CEPINK2EA0EE B    CF IGWQK2      1038012028380042PI   + 03000                       0 NS
          SUSAP KSFOK2FL28R  AMENLO 010MENLOK2EA0E  A    FC OAK K2      1510016133100024D    + 03000     18000             0 NS
          SUSAP KSFOK2FL28R  AMENLO 020CEPINK2EA0EE B    CF IGWQK2      1038012033100020PI   + 03000                       0 NS
          SUSAP KSFOK2FL28R  L      010CEPINK2EA0E  I    IF IGWQK2      10380120         PI  + 03000     18000             0 NS
          SUSAP KSFOK2FL28R  L      020AXMULK2EA0E  F    CF IGWQK2      1038007428400046PI   + 01800                 SFO   K2D 0 NS
          SUSAP KSFOK2FL28R  L      030RW28RK2PG0GY M    CF IGWQK2      1038002028400054PI     00068          -300             0 NS
          SUSAP KSFOK2FL28R  L      040VIKYUK2EA0EYM     CF SFO K2      28110120281101300    + 03000                       0 NS
          SUSAP KSFOK2FL28R  L      050VIKYUK2EA0EE  R   HM                    2811T010      + 03000                       0 NS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2GRW28R   0115702838 N37365010W122212900-0100     -0028700013000055200IIGWQ3     IFNPL

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13	THRE: 28R 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: **SAN FRANCISCO INTL**	**THRE: 28L 13**	**I-GWQ**	**ILS OR LOC RWY 28R, AMDT 12** **ILS RWY 28R (CAT II), ILS RWY 28R (CAT III)** **ILS RWY 28R (SA CAT I)** 8/22/2013	AMDT: **11** DATED: **01/18/2007**

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```
SUSAP KSFOK2IIGWQ3   011170RW28RN37374635W122343122838N37365140W1222143130628 10670329300E01405500007

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
SUSAP KSFOK2SSFO  K2D              0   120230051252303600452536012003525                                                  M
```



CITY AND STATE	ELEVATION: 13	THRE: 28R 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	THRE: 28L 13	I-GWQ	ILS OR LOC RWY 28R, AMDT 12 ILS RWY 28R (CAT II), ILS RWY 28R (CAT III) ILS RWY 28R (SA CAT I) 8/22/2013	AMDT: 11 DATED: 01/18/2007

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MEHTA	MEHTA	010	IAF	IF		FB					
	MEHTA	DUMBA	020		TF		FB				AA 04000	
	MEHTA	CEPIN	030		CF		FB		283.8()	004.2	AA 03000	
	MENLO	MENLO	010	IAF	FC		FB		331.0()	002.4	AA 03000	
	MENLO	CEPIN	020		CF		FB		331.0()	002.0	AA 03000	
		CEPIN	010	FACF	IF		FB				AA 03000	
		AXMUL	020	FAF	CF		FB		284.0()	004.6	AA 01800	
		RW28R	030	MAP	CF		FO		284.0()	005.4	AT 00068	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	VIKYU	040		CF		FO		281.1()	013.0	AA 03000	
	VIKYU	050		HM	R	FO		281.1()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OAK	N374333.32	W1221324.91	N3743.555	W12213.415
	SFO	N373710.14	W1222226.02	N3737.169	W12222.434
	IGWQ (DME)	N373748.19	W1222340.61	N3737.803	W12223.677
	AXMUL	N373417.46	W1221525.95	N3734.291	W12215.433
	CEPIN	N373209.43	W1221022.35	N3732.157	W12210.373
	DUMBA	N373012.66	W1220546.13	N3730.211	W12205.769
	MEHTA	N372742.09	W1215947.49	N3727.702	W12159.792
	MENLO	N372749.27	W1220913.17	N3727.821	W12209.220
	VIKYU	N374248.64	W1223546.34	N3742.811	W12235.772
	RW28R	N373650.10	W1222129.00	N3736.835	W12221.483
	IGWQ (LOC)	N373746.35	W1222343.12	N3737.773	W12223.719

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28R	00013	55



CITY AND STATE	ELEVATION: 13	THRE: 28R 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: **SAN FRANCISCO INTL**	THRE: 28L 13	**I-GWQ**	**ILS OR LOC RWY 28R, AMDT 12** **ILS RWY 28R (CAT II), ILS RWY 28R (CAT III)** **ILS RWY 28R (SA CAT I)** 8/22/2013	AMDT: **11** DATED: **01/18/2007**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FAITH/SFO 27.72 DME (IAF)	DIVEC/I-SFO 24.86 DME	281.00 / 3.98 (SFO R-101)	7000
DIVEC/I-SFO 24.86 DME	PONKE/I-SFO 21.56 DME	283.81 / 3.30 (I-SFO)	6000
PONKE/I-SFO 21.56 DME	WETOR/I-SFO 18.25 DME	283.81 / 3.31 (I-SFO)	5000
WETOR/I-SFO 18.25 DME	ROKME/I-SFO 14.95 DME	283.81 / 3.31 (I-SFO)	4000
ROKME/I-SFO 14.95 DME	HEMAN INT/I-SFO 11.97 DME	283.81 / 2.97 (I-SFO)	3100
HEMAN INT/I-SFO 11.97 DME (IF)	DUYET INT/I-SFO 7.67 DME	283.81 / 4.30 (I-SFO)	1800

MISSED APPROACH

ILS: DA

CLIMB TO 4000 ON SFO VOR/DME R-275 TO OLYMM INT/SFO 15.37 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2100 THEN CLIMBING LEFT TURN TO 5000 DIRECT SJC VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 275.21 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E SJC VOR/DME, LT, 286.00 INBOUND.
CHART 217 T-L TWR 373441N-1221622W.
CHART IN PLANVIEW: SJC VOR/DME.
CHART NEPIC/I-SFO 5.30 DME IN PROFILE AND PLANVIEW (373509.22N-1221748.78W).

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT DIVEC/I-SFO 24.86 DME
3. FAC: 283.81 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: DIVEC 7000, PONKE 6000, WETOR 5000, ROKME 4000, HEMAN 3100, DUYET 1800
5. DIST TO THLD FROM OM: 5.73 MM: - IM: - 150 HAT: - 100 HAT: 952 GS ANT: 1067
6. MIN GS INCPT: 1800 GS ALT AT: DUYET 1800, NEPIC 1080 OM: - MM: - IM: -
7. GS ANGLE: 2.85 TCH: 52.6
8. MSA FROM: SFO VOR/DME 050-180 4500, 180-300 3500, 300-050 5100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A | X |

CATEGORY ====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 28L	213	2400	200	213	2400	200	213	2400	200	213	2400	200			

NOTES:
CHART NOTE: RUNWAY 28L AND 28R SEPARATED BY 750 FEET CENTERLINE TO CENTERLINE.
CHART PROFILE NOTE: USE I-SFO DME WHEN ON THE LOCALIZER COURSE.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: DME REQUIRED.
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	I-SFO	ILS PRM RWY 28L, AMDT 3 (SIMULTANEOUS CLOSE PARALLEL) 8/22/2013	AMDT: 2A DATED 06/27/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CHART NOTE: MISSED APPROACH REQUIRES MINIMUM CLIMB OF 325 FEET PER NM TO 2100; IF UNABLE TO MEET CLIMB GRADIENT, SEE ILS OR LOC RWY 28L.
CHART PLANVIEW NOTE: RADAR AND DME REQUIRED.
CHART NOTE: RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.
CHART NOTE: SIMULTANEOUS CLOSE PARALLEL APPROACH AUTHORIZED WITH LDA PRM RUNWAY 28R AND RNAV (GPS) PRM X RUNWAY 28R. PROCEDURE NOT AUTHORIZED WHEN GLIDE SLOPE NOT AVAILABLE. DUAL VHF COMM REQUIRED.
SEE ADDITIONAL REQUIREMENTS ON AAUP.

QUALITY A CHECK

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	I-SFO	ILS PRM RWY 28L, AMDT 3 (SIMULTANEOUS CLOSE PARALLEL) 08/22/2013	AMDT: 2A
				DATED: 06/27/2013

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

LDA/DME - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ANETE/22.39 DME (IAF)	FATUS/19.25 DME	280.81 / 3.14 (I-FNP)	6000
FATUS/19.25 DME	HEGOT/16.12 DME	280.81 / 3.14 (I-FNP)	5000
HEGOT/16.12 DME (IF)	WASOP/12.98 DME	280.81 / 3.14 (I-FNP)	4000
WASOP/12.98 DME	MIUKE/9.84 DME	280.81 / 3.14 (I-FNP)	3000
MIUKE/9.84 DME	GOBEC/6.07 DME	280.81 / 3.77 (I-FNP)	1800

MISSED APPROACH

LDA/GS: DA

CLIMBING RIGHT TURN TO 3000 ON HEADING 030 THEN DIRECT OAK VORTAC AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMBING RIGHT TURN TO 4000 ON HEADING 330 AND ON SFO VOR/DME R-342 TO REBAS INT/SFO 19.26 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 060.01 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE REBAS INT/SFO 19.26 DME, RT, 215.20 INBOUND.
CHART IN PLANVIEW: REBAS INT/SFO 19.26 DME.
CHART PLANVIEW NOTE: LOC OFFSET 3.00 DEGREES
CHART DARNE/4.00 DME IN PROFILE AND PLANVIEW
CHART: (CFFKC) FICTITIOUS THRESHOLD POINT
CHART MISSED APPROACH AT DARNE

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ANETE/22.39 DME
3. FAC: 280.81 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: ANETE 7000, FATUS 6000, HEGOT 5000, WASOP 4000, MIUKE 3000, GOBEC 1800, DARNE/4.00 1140
5. DIST TO THLD FROM OM: 5.44 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1067
6. MIN GS INCPT: 1800 GS ALT AT: GOBEC 1800, DARNE 1140 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.2
8. MSA FROM: SFO VOR/DME 050-180 4500, 180-300 3500, 300-050 5100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-LDA/GS 28R #	1140	4	1127	1140	4	1127	1140	4	1127	1140	4	1127			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART PLANVIEW NOTE: RADAR AND DME REQUIRED.
CHART PLANVIEW NOTE: LDA/GLIDE SLOPE.
CHART PROFILE NOTE: VGSI AND LDA GLIDEPATH NOT COINCIDENT
(SEE FORM 8260-10)

QUALITY 4 OUTCOME

CITY AND STATE	ELEVATION: 13 THRE: 13 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	I-FNP	LDA/DME RWY 28R, AMDT 2 8/22/2013	AMDT: 1A
				DATED 12/15/2011

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LDA/DME - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: RUNWAY 28L AND 28R SEPARATED BY 750 FEET CENTERLINE TO CENTERLINE.
CHART NOTE: #IF GO AROUND EXECUTED AFTER PASSING DARNE, GO AROUND REQUIRES MINIMUM CLIMB OF 380 FEET PER NM TO 1800.
CHART NOTE: LOCALIZER COURSE 1183 FT RIGHT OF RWY 28R THRESHOLD
CHART NOTE: PROCEDURE NOT AUTHORIZED WHEN GLIDESLOPE NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	I-FNP	LDA/DME RWY 28R, AMDT 2 8/22/2013	AMDT: 1A
				DATED: 12/15/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - LDA

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        OAK   K2011680VTHA N37433332W122132491    N37433332W122132491E0140000132     NAROAKLAND
          SUSAD        SFO   K2011580VDLA N37371014W122222602    N37371014W122222602E0140000071     NARSAN FRANCISCO
          SUSAD KSFOK2 IFNP  K2011075 IT                    IFNPN37371492W122220685     000220     NARSAN FRANCISCO INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   ANETE K20    C     N37274946W121563391                    E0138     NAR           ANETE
          SUSAEAENRT   CFFKC K20    W     N37370071W122212283                    E0139     NAR           CNF(CFFKC)
          SUSAEAENRT   DARNE K20    C     N37353579W122173213                    E0139     NAR           DARNE
          SUSAEAENRT   FATUS K20    C     N37290929W122000829                    E0138     NAR           FATUS
          SUSAEAENRT   GOBEC K20    C     N37344344W122151018                    E0139     NAR           GOBEC
          SUSAEAENRT   HEGOT K20    C     N37302902W122034280                    E0139     NAR           HEGOT
          SUSAEAENRT   MIUKE K20    C     N37330816W122105225                    E0139     NAR           MIUKE
          SUSAEAENRT   WASOP K20    C     N37314864W122071746                    E0139     NAR           WASOP

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2ASFO     0     115YHN37370878W122223085E014000013         1800018000C    MNAR    SAN FRANCISCO INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2FX28R  AANETE 010ANETEK2EA0E  A    IF                                + 07000     18000                0 DS
          SUSAP KSFOK2FX28R  AANETE 020FATUSK2EA0E       TF                                + 06000                          0 DS
          SUSAP KSFOK2FX28R  AANETE 030HEGOTK2EA0E  B    TF                                + 05000                          0 DS
          SUSAP KSFOK2FX28R  AANETE 040WASOPK2EA0E       TF                                + 04000                          0 DS
          SUSAP KSFOK2FX28R  AANETE 050MIUKEK2EA0EE      CF IFNPK2      1008009828080031PI + 03000                          0 DS
          SUSAP KSFOK2FX28R  X      010MIUKEK2EA0E  I    IF IFNPK2      10080098        PI + 03000     18000                0 DS
          SUSAP KSFOK2FX28R  X      020GOBECK2EA0E  F    CF IFNPK2      1008006128100038PI + 01800           -300SFO   K2D 0 DS
          SUSAP KSFOK2FX28R  X      021DARNEK2EA0EYS     CF IFNPK2      1008004028100021PI + 01140           -300            0 DS
          SUSAP KSFOK2FX28R  X      030CFFKCK2EA0EY M    CF IFNPK2      1008000628100034PI   00068           -300            0 DS
          SUSAP KSFOK2FX28R  X      040          0  M R  VAY                      0300      + 03000                          0 DS
          SUSAP KSFOK2FX28R  X      050OAK  K2D 0VY      DF                                + 03000                          0 DS
          SUSAP KSFOK2FX28R  X      060OAK  K2D 0VE  R   HM                     0600T010    + 03000                          0 DS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2GRW28R   0115702838 N37365010W122212900-0100    -00287000130000552001IGWQ3    IFNPL
```

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: **SAN FRANCISCO INTL**	**I-FNP**	**LDA/DME RWY 28R, AMDT 2** 8/22/2013	AMDT: **1A**
				DATED: **12/15/2011**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2IIFNPL   011075RW28RN37371665W122220617280 8N37365152W1222143057667-10670500300E01405500007

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2SSFO  K2D              0   120230051252303600452536012003525                                              M
```

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: **SAN FRANCISCO INTL**	**I-FNP**	**LDA/DME RWY 28R, AMDT 2** 8/22/2013	AMDT: **1A**
				DATED: **12/15/2011**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LDA

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ANETE	ANETE	010	IAF	IF		FB				AA 07000	
	ANETE	FATUS	020		TF		FB				AA 06000	
	ANETE	HEGOT	030		TF		FB				AA 05000	
	ANETE	WASOP	040		TF		FB				AA 04000	
	ANETE	MIUKE	050		CF		FB		280.8()	003.1	AA 03000	
		MIUKE	010	FACF	IF		FB				AA 03000	
		GOBEC	020	FAF	CF		FB		281.0()	003.8	AA 01800	
		DARNE	021	SDF	CF		FO		281.0()	002.1	AA 01140	
		CFFKC	030	MAP	CF		FO		281.0()	003.4	AT 00068	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VA	R	FB		030.0()		AA 03000	
	OAK	050		DF		FO				AA 03000	
	OAK	060		HM	R	FO		060.0()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OAK	N374333.32	W1221324.91	N3743.555	W12213.415
	SFO	N373710.14	W1222226.02	N3737.169	W12222.434
	IFNP (DME)	N373714.92	W1222206.85	N3737.249	W12222.114
	ANETE	N372749.46	W1215633.91	N3727.824	W12156.565
	CFFKC	N373700.71	W1222122.83	N3737.012	W12221.381
	DARNE	N373535.79	W1221732.13	N3735.597	W12217.536
	FATUS	N372909.29	W1220008.29	N3729.155	W12200.138
	GOBEC	N373443.44	W1221510.18	N3734.724	W12215.170
	HEGOT	N373029.02	W1220342.80	N3730.484	W12203.713
	MIUKE	N373308.16	W1221052.25	N3733.136	W12210.871
	WASOP	N373148.64	W1220717.46	N3731.811	W12207.291
	RW28R	N373650.10	W1222129.00	N3736.835	W12221.483
	IFNP (LOC)	N373716.65	W1222206.17	N3737.278	W12222.103

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28R	00013	55

CITY AND STATE	ELEVATION: **13** **THRE: 13**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: **SAN FRANCISCO INTL**	**I-FNP**	**LDA/DME RWY 28R, AMDT 2** 8/22/2013	AMDT: **1A**
				DATED: **12/15/2011**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

Procedure canceled effective 22 AUGUST 2013.

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 13 THRE: 13 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
SAN FRANCISCO, CA	SAN FRANCISCO INTL	I-SFO	LOC/DME Y RWY 28L, ORIG	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 22 AUGUST 2013

CITY AND STATE	ELEVATION: 13 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP / AMDT / DATE
SAN FRANCISCO, CA	THRE: 28R 13 THRE: 28L 13 SAN FRANCISCO INTL	I-GWQ	LOC/DME Y RWY 28R, ORIG	NONE

QUALITY CHECKED

FAA FORM 8260-5 / April 2006 (computer generated)

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

LDA - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.25

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ANETE/22.39 DME (IAF)	FATUS/19.25 DME	280.81 / 3.14 (I-FNP)	6000
FATUS/19.25 DME	HEGOT/16.12 DME	280.81 / 3.14 (I-FNP)	5000
HEGOT/16.12 DME (IF)	WASOP/12.98 DME	280.81 / 3.14 (I-FNP)	4000
WASOP/12.98 DME	MIUKE/9.84 DME	280.81 / 3.14 (I-FNP)	3000
MIUKE/9.84 DME	GOBEC/6.07 DME	280.81 / 3.77 (I-FNP)	1800

MISSED APPROACH

LDA/GS: DA

CLIMBING RIGHT TURN TO 3000 ON HEADING 030 THEN DIRECT OAK VORTAC AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMBING RIGHT TURN TO 4000 ON HEADING 330 AND ON SFO VOR/DME R-342 TO REBAS INT/SFO 19.26 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 060.01 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE REBAS INT/SFO 19.26 DME, RT, 215.20 INBOUND.
CHART IN PLANVIEW: REBAS INT/SFO 19.26 DME.
CHART PLANVIEW NOTE: LOC OFFSET 3.00
CHART DARNE/4.00 DME IN PROFILE AND PLANVIEW
CHART: (CFFKC) FICTITIOUS THRESHOLD POINT
CHART MISSED APPROACH AT DARNE

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ANETE/22.39 DME
3. FAC: 280.81 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: ANETE 7000, FATUS 6000, HEGOT 5000, WASOP 4000, MIUKE 3000, GOBEC 1800, DARNE/4.00 DME 1140
5. DIST TO THLD FROM OM: 5.44 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1067
6. MIN GS INCPT: 1800 GS ALT AT: GOBEC 1800, DARNE 1140 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.2
8. MSA FROM: SFO VOR/DME 050-180 4500, 180-300 3500, 300-050 5100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A [X]

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-LDA/GS 28R #	1140	4	1127	1140	4	1127	1140	4	1127	1140	4	1127			

NOTES:
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS PRM RWY 28L AND RNAV (GPS) PRM RWY 28L. PROCEDURE NOT AUTHORIZED WHEN GLIDESLOPE NOT AVAILABLE. DUAL VHF COMM REQUIRED. SEE ADDITIONAL REQUIREMENTS ON AAUP.
CHART PLANVIEW NOTE: RADAR AND DME REQUIRED.
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	I-FNP	LDA PRM RWY 28R, AMDT 2 (SIMULTANEOUS CLOSE PARALLEL) 8/22/2013	AMDT: 1B DATED 06/27/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LDA - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.25

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NOTES, (CONT.):
CHART PLANVIEW NOTE: LDA/GLIDE SLOPE.
CHART PROFILE NOTE: VGSI AND LDA GLIDEPATH NOT COINCIDENT
CHART NOTE: RUNWAY 28L AND 28R SEPARATED BY 750 FEET CENTERLINE TO CENTERLINE.
CHART NOTE: #IF GO AROUND EXECUTED AFTER PASSING DARNE, GO AROUND REQUIRES MINIMUM CLIMB OF 380 FEET PER NM TO 1800.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: DME REQUIRED.
CHART NOTE: LOCALIZER COURSE 1183 FT RIGHT OF RWY 28R THRESHOLD

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	I-FNP	LDA PRM RWY 28R, AMDT 2 (SIMULTANEOUS CLOSE PARALLEL) 8/22/2013	AMDT: 1B
				DATED: 06/27/2013

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
STINS (IAF)	NORMM (FB)	118.20 / 9.22	3500
NORMM (IF)	XATTU (FB)	103.50 / 6.36	1800
XATTU (FAF)	RW10L (MAP) (FO)	103.73 / 5.46	
RW10L (MAP)	413 MSL	103.73	
413 MSL	DUMBA (FO)		4000

MISSED APPROACH

LNAV: RW10L

CLIMB TO 4000 DIRECT DUMBA AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 283.98 INBOUND.
FAS OBST: 949 AAO 373907N/1222821W
CHART VDP AT 3.50 MILES TO RW10L.
XATTU TO RW10L: 3.00/55.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT NORMM
3. FAC: 103.73 FAF: XATTU DIST FAF TO MAP: 5.46 THLD: 5.46
4. MIN. ALT: NORMM 3500, XATTU 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW10L 5100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1200	6000	1194	1200	1 1/2	1194	1200	3	1194	1200	3	1194			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT STINS ON V25-199 AND V27 NORTHWEST BOUND.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.

@ CAT A, B 1200-2, CAT C, D 1200-3

QUALITY 11 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 6 AIRPORT NAME:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL		RNAV (GPS) RWY 10L, AMDT 2 08/22/2013	AMDT: 1A DATED 06/30/2011

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

QUALITY 11 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) RWY 10L, AMDT 2 08/22/2013	AMDT: 1A
				DATED: 06/30/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   DUMBA K20    C      N37301266W122054613                      E0139     NAR           DUMBA
         SUSAEAENRT   NORMM K20    C      N37431275W122364742                      E0140     NAR           NORMM
         SUSAEAENRT   STINS K20    C    L N37492524W122452406                      E0140     NAR           STINS
         SUSAEAENRT   XATTU K20    W      N37401628W122294138                      E0140     NAR           XATTU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2ASFO      0     115YHN37370878W122223085E014000013          18000180000C    MNAR    SAN FRANCISCO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2FR10L  ASTINS 010STINSK2EA0E  A    IF                                                  18000                B JS
         SUSAP KSFOK2FR10L  ASTINS 020NORMMK2EA0EE B 010TF                      11820092    + 03500                              B JS
         SUSAP KSFOK2FR10L  R       010NORMMK2EA0E  I    IF                                + 03500    18000                     B JS
         SUSAP KSFOK2FR10L  R       020XATTUK2EA1E  F 051TF                    10350064    + 01800                RW10L K2PGB JS
         SUSAP KSFOK2FR10L  R       020XATTUK2EA2WN          N          ALNAV                                                    JS
         SUSAP KSFOK2FR10L  R       030RW10LK2PG0GY M 031TF                    10370055      00061          -300                B JS
         SUSAP KSFOK2FR10L  R       040          0  M     CA                  1037        + 00413                              B JS
         SUSAP KSFOK2FR10L  R       050DUMBAK2EA0EY       DF                              + 04000                              B JS
         SUSAP KSFOK2FR10L  R       060DUMBAK2EA0EE  L    HM                  28400040    + 04000                              B JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2GRW10L   0115701038 N37374346W122233621+0100     -0030900006000055200R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2SRW10LK2PG              0   18018005125                                                                        M
```

QUALITY 11 CHECKED

CITY AND STATE	ELEVATION: 13 TDZE: 6	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: **SAN FRANCISCO INTL**	**RNAV**	**RNAV (GPS) RWY 10L, AMDT 2** **08/22/2013**	AMDT: **1A** DATED: **06/30/2011**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	STINS	STINS	010	IAF	IF		FB					
	STINS	NORMM	020		TF		FB	1.0	118.2(132.2T)	009.2	AA 03500	
		NORMM	010	FACF	IF		FB				AA 03500	
		XATTU	020	FAF	TF		FB	0.5	103.5(117.5T)	006.4	AA 01800	
		RW10L	030	MAP	TF		FO	0.3	103.7(117.7T)	005.5	AT 00061	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		103.7(117.7T)		AA 00413	
	DUMBA	050		DP		FO				AA 04000	
	DUMBA	060		HM	L	FO		284.0(298.0T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DUMBA	N373012.66	W1220546.13	N3730.211	W12205.769
	NORMM	N374312.75	W1223647.42	N3743.213	W12236.790
	STINS	N374925.24	W1224524.06	N3749.421	W12245.401
	XATTU	N374016.28	W1222941.38	N3740.271	W12229.690
	RW10L	N373743.46	W1222336.21	N3737.724	W12223.604

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10L	00006	55

QUALITY 11 CHECKED

CITY AND STATE	ELEVATION: 13 TDZE: 6 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	**SAN FRANCISCO INTL**	**RNAV**	**RNAV (GPS) RWY 10L, AMDT 2** **08/22/2013**	AMDT: **1A** DATED: **06/30/2011**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UPEND (IAF)	BERKS (FB)	193.98 / 11.61	5000
BERKS (IF)	SHAKE (FB)	193.91 / 6.76	2900
SHAKE (FAF)	RW19L (MAP) (FO)	193.81 / 9.04	
RW19L (MAP)	420 MSL	193.81	420
420 MSL	DUMBA (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW19L

CLIMB TO 420 THEN CLIMBING LEFT TURN TO 3000 DIRECT DUMBA AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 283.98 INBOUND.
CHART FAS OBST: 150 SHIP 374028N/1222020W
DISTANCE TO THLD FROM 200 HATH: 0.44 NM.
WAAS CHANNEL # 58015
REFERENCE PATH ID: W19A
LTP HAE: -29.6 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT BERKS
3. FAC: 193.81 FAF: SHAKE DIST FAF TO MAP: 9.04 THLD: 9.04
4. MIN. ALT: BERKS 5000, SHAKE 2900
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2900 GS ALT AT: SHAKE 2900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 2.95 TCH: 60.1 34:1 IS NOT CLEAR
8. MSA FROM: RW19L 5100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	269	2800	259	269	2800	259	269	2800	259	269	2800	259			
LPV DA*	210	2600	200	210	2600	200	210	2600	200	210	2600	200			
LNAV/VNAV DA	346	4000	336	346	4000	336	346	4000	336	346	4000	336			
LNAV MDA	700	4000	690	700	4000	690	700	1 3/8	690	700	1 3/8	690			

NOTES:
CHART NOTE: *MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 258 FEET PER NM TO 960.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV DA AND LPV DA*.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 2C (36F) OR ABOVE 54C (130F).
CHART NOTE: FOR INOPERATIVE MALSF, INCREASE LNAV/VNAV CATS A, B, C, D VISIBILITY TO RVR 5400, LNAV (SEE FORM 8260-10)

QUALITY 11 RECEIVED

CITY AND STATE	ELEVATION: 13 THRE: 10 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Z RWY 19L
SAN FRANCISCO, CA	SAN FRANCISCO INTL	RNAV	RNAV (GPS) RWY 19L, AMDT 2 08/22/2013	AMDT: 1 DATED 10/22/2009

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
CATS A, B TO RVR 5500, AND CATS C, D TO 2 MILES.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 5000 NOT AUTHORIZED.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
SAN FRANCISCO, CA	**ELEVATION: 13** **THRE: 10** AIRPORT NAME: **SAN FRANCISCO INTL**	**RNAV**	**RNAV (GPS) RWY 19L, AMDT 2** **08/22/2013**	SUP: **RNAV (GPS) Z RWY 19L** AMDT: **1** DATED: ***10/22/2009***

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSFO
RUNWAY	RW19L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	373740.1820N
LTP/FTP LONGITUDE	1222200.4360W
LTP/FTP ELLIPSOIDAL HEIGHT	-00296
FPAP LATITUDE	373621.2775N
FPAP LONGITUDE	1222252.7465W
THRESHOLD CROSSING HEIGHT (TCH)	00060.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	02.95
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0112
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	42B44088

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00030
FPAP ORTHOMETRIC HEIGHT	+00030

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   BERKS K20    C   L N37513910W122124204                    E0139     NAR           BERKS
          SUSAEAENRT   DUMBA K20    C     N37301266W122054613                    E0138     NAR           DUMBA
          SUSAEAENRT   SHAKE K20    C     N37454024W122164142                    E0139     NAR           SHAKE
          SUSAEAENRT   UPEND K20    C     N38015514W122054944                    E0139     NAR           UPEND

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2ASFO     0     118YHN37370878W122223085E014000013         1800018000C    MNAR    SAN FRANCISCO INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2FR19L  AUPEND 010UPENDK2EA0E  A    IF                                          18000              A JS
          SUSAP KSFOK2FR19L  AUPEND 020BERKSK2EA0EE B 010TF                    19400116    + 05000                     A JS
          SUSAP KSFOK2FR19L  R      010BERKSK2EA0E  I    IF                                + 05000    18000            A JS
          SUSAP KSFOK2FR19L  R      020SHAKEK2EA1E  F 051TF                    19390068    + 02900          RW19L K2PGA JS
          SUSAP KSFOK2FR19L  R      020SHAKEK2EA2WALPV       ALNAV/VNAV ALNAV                                        JS
          SUSAP KSFOK2FR19L  R      030RW19LK2PG0GY M 031TF                    19380090      00070          -295      A JS
          SUSAP KSFOK2FR19L  R      040          0  M     CA                   1938        + 00420                     A JS
          SUSAP KSFOK2FR19L  R      050DUMBAK2EA0EY  L   DF                              + 03000                     A JS
          SUSAP KSFOK2FR19L  R      060DUMBAK2EA0EE  L020HM                    28400040    + 03000                     A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2GRW19L   0086461938 N37374018W122220044+0000     -0029600010000060200I

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2PR19L  RW19L001 0000W19A0N3737401820W12222004360-002960295N3736212775W1222252746510675011200601F40035042B44088
          SUSAP KSFOK2PR19L  RW19L002E      +00030+00030LPV       58015

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2SRW19LK2PG               0   18018005125                                                              M
```

CITY AND STATE	ELEVATION: 13 THRE: 10 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	**SAN FRANCISCO INTL**	**RNAV**	**RNAV (GPS) RWY 19L, AMDT 2 08/22/2013**	**RNAV (GPS) Z RWY 19L**
				AMDT: **1**
				DATED: **10/22/2009**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	UPEND	UPEND	010	IAF	IF		FB					
	UPEND	BERKS	020		TF		FB	1.0	194.0(208.0T)	011.6	AA 05000	
		BERKS	010	FACF	IF		FB				AA 05000	
		SHAKE	020	FAF	TF		FB	0.5	193.9(207.9T)	006.8	AA 02900	
		RW19L	030	MAP	TF		FO	0.3	193.8(207.8T)	009.0	AT 00070	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		193.8(207.8T)		AA 00420	
	DUMBA	050		DF	L	FO				AA 03000	
	DUMBA	060		HM	L	FO	2.0	284.0(298.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BERKS	N375139.10	W1221242.04	N3751.652	W12212.701
	DUMBA	N373012.66	W1220546.13	N3730.211	W12205.769
	SHAKE	N374540.24	W1221641.42	N3745.671	W12216.690
	UPEND	N380155.14	W1220549.44	N3801.919	W12205.824
	RW19L	N373740.18	W1222200.44	N3737.670	W12222.007

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19L	00010	60

CITY AND STATE	ELEVATION: 13 THRE: 10 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	**SAN FRANCISCO INTL**	**RNAV**	**RNAV (GPS) RWY 19L, AMDT 2 08/22/2013**	**RNAV (GPS) Z RWY 19L**
				AMDT: **1**
				DATED: **10/22/2009**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UPEND (IAF)	HITOD (FB)	194.59 / 11.45	4000
HITOD (IF)	ESUME (FB)	193.91 / 7.13	2900
ESUME (FAF)	FOBOT/3.30 NM TO RW19R (FB)	193.86 / 5.63	
FOBOT/3.30 NM TO RW19R	RW19R (MAP) (FO)	193.86 / 3.30	
RW19R (MAP)	600 MSL	193.86	
600 MSL	DUMBA (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW19R

CLIMB TO 600 THEN CLIMBING LEFT TURN TO 3000 DIRECT DUMBA AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 283.98 INBOUND.
CHART FAS OBST: 144 BLDG 373734N/1222236W
CHART 51 ROD ON OL POLE 373811N/1222140W.
DISTANCE TO THLD FROM 355 HATH: 0.97 NM.
WAAS CHANNEL # 53533
REFERENCE PATH ID: W19B
LTP HAE: -30 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HITOD
3. FAC: 193.86 FAF: ESUME DIST FAF TO MAP: 8.93 THLD: 8.93
4. MIN. ALT: HITOD 4000, ESUME 2900, FOBOT/3.30 NM TO RW19R 1100*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2900 GS ALT AT: ESUME 2900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 47.0 34:1 IS NOT CLEAR
8. MSA FROM: RW19R 5100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	364	5900	355	364	5900	355	364	5900	355	364	5900	355			
LNAV/VNAV DA	474	1 5/8	465	474	1 5/8	465	474	1 5/8	465	474	1 5/8	465			
LNAV MDA	560	5500	551	560	5500	551	560	1 5/8	551	560	1 5/8	551			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 2C (36F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 9 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Z RWY 19R
SAN FRANCISCO, CA	SAN FRANCISCO INTL	RNAV	RNAV (GPS) RWY 19R, AMDT 1 08/22/2013	AMDT: ORIG-C
				DATED 06/30/2011

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above alport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
*LNAV ONLY
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 5000 NOT AUTHORIZED.
CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 210 KIAS UNTIL DUMBA.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 9	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Z RWY 19R
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) RWY 19R, AMDT 1 08/22/2013	AMDT: ORIG-C
				DATED: 06/30/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSFO
RUNWAY	RW19R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19B
LTP/FTP LATITUDE	373737.9475N
LTP/FTP LONGITUDE	1222212.4455W
LTP/FTP ELLIPSOIDAL HEIGHT	-00300
FPAP LATITUDE	373619.0430N
FPAP LONGITUDE	1222304.7560W
THRESHOLD CROSSING HEIGHT (TCH)	00047.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0464
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	0D0C9C3F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00026
FPAP ORTHOMETRIC HEIGHT	+00026

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 9 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Z RWY 19R
SAN FRANCISCO, CA	SAN FRANCISCO INTL	RNAV	RNAV (GPS) RWY 19R, AMDT 1 08/22/2013	AMDT: ORIG-C
				DATED: 06/30/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   DUMBA K20    C     N37301266W122054613                    E0139     NAR           DUMBA
          SUSAEAENRT   ESUME K20    W     N37453240W122165716                    E0139     NAR           ESUME
          SUSAEAENRT   FOBOT K20    W     N37403324W122201608                    E0139     NAR           FOBOT
          SUSAEAENRT   HITOD K20    W     N37515099W122124463                    E0140     NAR           HITOD
          SUSAEAENRT   UPEND K20    C     N38015514W122054944                    E0140     NAR           UPEND

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2ASFO      0     118YHN37370878W122223085E014000013         18000018000C    MNAR    SAN FRANCISCO INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2FR19R  AUPEND 010UPENDK2EA0E  A    IF                                                18000              A JS
          SUSAP KSFOK2FR19R  AUPEND 020HITODK2EA0EE B 010TF                    19460115    + 04000                          A JS
          SUSAP KSFOK2FR19R  R      010HITODK2EA0E  I    IF                               + 04000     18000               A JS
          SUSAP KSFOK2FR19R  R      020ESUMEK2EA1E  F 051TF                    19390071    + 02900                RW19R K2PGA JS
          SUSAP KSFOK2FR19R  R      020ESUMEK2EA2WALPV       ALNAV/VNAV ALNAV                                              JS
          SUSAP KSFOK2FR19R  R      021FOBOTK2EA0E S  031TF                    19390056    V 0110001106       -300       A JS
          SUSAP KSFOK2FR19R  R      030RW19RK2PG0GY M 031TF                    19390033      00056            -300       A JS
          SUSAP KSFOK2FR19R  R      040          0  M     CA                   1939        + 00600                       A JS
          SUSAP KSFOK2FR19R  R      050DUMBAK2EA0EY  L   DF                   0969        + 03000                       A JS
          SUSAP KSFOK2FR19R  R      060DUMBAK2EA0EE  L   HM                   28400040    + 03000                       A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2GRW19R   0075001938 N37373795W122221245+0000     -00300000090000047200R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2PR19R  RW19R001 0000W19B0N3737379475W12222124455-003000300N3736190430W12223047560106750464000470F4005000D0C9C3F
          SUSAP KSFOK2PR19R  RW19R002E       +00026+00026LPV       53533

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2SRW19RK2PG               0   18018005125                                                              M
```

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 9 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 19R
SAN FRANCISCO, CA	SAN FRANCISCO INTL	RNAV	RNAV (GPS) RWY 19R, AMDT 1 / 08/22/2013	AMDT: ORIG-C
				DATED: 06/30/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	UPEND	UPEND	010	IAF	IF		FB					
	UPEND	HITOD	020		TF		FB	1.0	194.6(208.6T)	011.5	AA 04000	
		HITOD	010	FACF	IF		FB				AA 04000	
		ESUME	020	FAF	TF		FB	0.5	193.9(207.9T)	007.1	AA 02900	
		FOBOT	021	SDF	TF		FB	0.3	193.9(207.9T)	005.6	AA 01100 GS 01106	
		RW19R	030	MAP	TF		FO	0.3	193.9(207.9T)	003.3	AT 00056	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		193.9(207.9T)		AA 00600	
	DUMBA	050		DF	L	FO		096.9(110.9T)		AA 03000	
	DUMBA	060		HM	L	FO		284.0(298.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DUMBA	N373012.66	W1220546.13	N3730.211	W12205.769
	ESUME	N374532.40	W1221657.16	N3745.540	W12216.953
	FOBOT	N374033.24	W1222016.08	N3740.554	W12220.268
	HITOD	N375150.99	W1221244.63	N3751.850	W12212.744
	UPEND	N380155.14	W1220549.44	N3801.919	W12205.824
	RW19R	N373737.95	W1222212.45	N3737.633	W12222.208

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19R	00009	47

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 9	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 19R
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) RWY 19R, AMDT 1 08/22/2013	AMDT: ORIG-C
				DATED: 06/30/2011

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FAITH (IAF)	DIVEC (FB)	284.53 / 3.98	7000
MENLO (IAF)	HEMAN (FB)	333.41 / 4.31	3100
DIVEC	PONKE (FB)	284.07 / 3.30	6000
PONKE	WETOR (FB)	284.03 / 3.31	5000
WETOR	ROKME (FB)	283.99 / 3.31	4000
ROKME	HEMAN (FB)	283.96 / 2.97	3100
HEMAN (IF)	DUYET (FB)	283.92 / 4.30	1800
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW28L

CLIMB TO 4000 DIRECT OLYMM AND HOLD,
CONTINUE CLIMB-IN-HOLD TO 4000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT DIVEC
3. FAC: 283.88 FAF: DUYET DIST FAF TO MAP: 5.73 THLD: 5.73
4. MIN. ALT: DIVEC 7000, PONKE 6000, WETOR 5000, ROKME 4000, HEMAN 3100, DUYET 1800, NEPIC/3.36 NM TO RW 28L 1080
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: DUYET 1800, NEPIC 1080 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 2.85 TCH: 52.6 34:1 IS CLEAR
8. MSA FROM: RW28L 5100

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 278.21 INBOUND.
FAS OBST: 203 TREE 373525N/1221919W
DISTANCE TO THLD FROM 200 HATH: 0.49 NM.
CHART VDP AT 3.16 MILES TO RW28L*
*LNAV ONLY.
WAAS CHANNEL # 53415
REFERENCE PATH ID: W28B
CHART AT OR ABOVE 4000 AT MENLO IN PLANVIEW.
LTP HAE: -28.7 M
CHART CIRCLING ICON

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA #	213	2400	200	213	2400	200	213	2400	200	213	2400	200			
LPV DA	769	2 1/4	756	769	2 1/4	756	769	2 1/4	756	769	2 1/4	756			
LNAV/VNAV DA	754	2 1/4	741	754	2 1/4	741	754	2 1/4	741	754	2 1/4	741			
LNAV MDA	1020	4000	1007	1020	5500	1007	1020	2 1/2	1007	1020	2 1/2	1007			
CIRCLING	1020	1 1/4	1007	1020	2 1/2	1007	1560	3	1547		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: # MISSED APPROACH REQUIRES MINIMUM CLIMB OF 305 FEET PER NM TO 1600.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 2 3/4 MILE.

(SEE FORM 8260-10)

QUALITY 4

CITY AND STATE	ELEVATION: 13 THRE: 13 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	RNAV	RNAV (GPS) RWY 28L, AMDT 4 08/22/2013	AMDT: 3 DATED 06/27/2013

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DUYET (FAF)	NEPIC/3/36 NM TO RWY 28L (FB)	283.88/2.37	1080
NEPIC/3/36 NM TO RWY 28L	RW28L (MAP) (FO)	283.88 / 5.73	
RW28L (MAP)	213 MSL	283.88	
213 MSL	OLYMM (FO)		4000

NOTES, (CONT.):
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 2C (36 F) OR ABOVE 54C (130 F)
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: CIRCLING NA TO RWYs 10L, 10R, 19L, AND 19R.
CHART NOTE: CIRCLING TO RWY 01L AND 01R NA AT NIGHT.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	RNAV	RNAV (GPS) RWY 28L, AMDT 4 08/22/2013	AMDT: 3 DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSFO
RUNWAY	RW28L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28B
LTP/FTP LATITUDE	373643.5435N
LTP/FTP LONGITUDE	1222133.3535W
LTP/FTP ELLIPSOIDAL HEIGHT	-00287
FPAP LATITUDE	373734.6300N
FPAP LONGITUDE	1222335.1800W
THRESHOLD CROSSING HEIGHT (TCH)	00052.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	02.85
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	9A8A57C5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00038
FPAP ORTHOMETRIC HEIGHT	+00038

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) RWY 28L, AMDT 4 08/22/2013	AMDT: 3
				DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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         SUSAEAENRT   DIVEC K20   C     N37255838W121560603                    E0138   NAR          DIVEC
         SUSAEAENRT   DUYET K20   C     N37340264W122151054                    E0139   NAR          DUYET
         SUSAEAENRT   FAITH K20   C     N37240438W121514284                    E0138   NAR          FAITH
         SUSAEAENRT   HEMAN K20   C     N37320186W122102400                    E0138   NAR          HEMAN
         SUSAEAENRT   MENLO K20   C     N37274927W122091317                    E0138   NAR          MENLO
         SUSAEAENRT   NEPIC K20   C     N37350922W122174878                    E0139   NAR          NEPIC
         SUSAEAENRT   OLYMM K20   C     N37425770W122402168                    E0140   NAR          OLYMM
         SUSAEAENRT   PONKE K20   C     N37273174W121594579                    E0138   NAR          PONKE
         SUSAEAENRT   ROKME K20   C     N37303813W122070579                    E0138   NAR          ROKME
         SUSAEAENRT   WETOR K20   C     N37290499W122032571                    E0138   NAR          WETOR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2ASFO      0     118YHN37370878W122223085E014000013          1800018000C    MNAR    SAN FRANCISCO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2FR28L  AFAITH 010FAITHK2EA0E  A    IF                                          18000                A JS
         SUSAP KSFOK2FR28L  AFAITH 020DIVECK2EA0E    010TF                    28450040    + 07000                      A JS
         SUSAP KSFOK2FR28L  AFAITH 030PONKEK2EA0E    010TF                    28410033    + 06000                      A JS
         SUSAP KSFOK2FR28L  AFAITH 040WETORK2EA0E    010TF                    28400033    + 05000                      A JS
         SUSAP KSFOK2FR28L  AFAITH 050ROKMEK2EA0E    010TF                    28400033    + 04000                      A JS
         SUSAP KSFOK2FR28L  AFAITH 060HEMANK2EA0EE B 010TF                    28400030    + 03100                      A JS
         SUSAP KSFOK2FR28L  AMENLO 010MENLOK2EA0E  A    IF                                          18000                A JS
         SUSAP KSFOK2FR28L  AMENLO 020HEMANK2EA0EE B 010TF                    33340043    + 03100                      A JS
         SUSAP KSFOK2FR28L  R      010HEMANK2EA0E  I    IF                                + 03100   18000                A JS
         SUSAP KSFOK2FR28L  R      020DUYETK2EA1E  F 051TF                    28390043    + 01800             RW28L K2PGA JS
         SUSAP KSFOK2FR28L  R      020DUYETK2EA2WALPV      ALNAV/VNAV ALNAV                                              JS
         SUSAP KSFOK2FR28L  R      021NEPICK2EA0E S  031TF                    28390024    V 0108001082        -285      A JS
         SUSAP KSFOK2FR28L  R      030RW28LK2PGOGY M 031TF                    28390034      00065             -285      A JS
         SUSAP KSFOK2FR28L  R      040          0  M    CA                   2839        + 00213                      A JS
         SUSAP KSFOK2FR28L  R      050OLYMMK2EA0EY       DF                              + 04000                      A JS
         SUSAP KSFOK2FR28L  R      060OLYMMK2EA0EE  L    HM                   27820040    + 04000                      A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2GRW28L   0113812838 N37364354W122213335+0000    -0028700013030053200I
```

CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) RWY 28L, AMDT 4 08/22/2013	AMDT: 3
				DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KSFOK2PR28L  RW28L001 0000W28B0N3736435435W12221333535-002870285N3737346300W12223351800106750000000526F4003509A8A57C5
    SUSAP KSFOK2PR28L  RW28L002E      +00038+00038LPV       53415

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KSFOK2SRW28LK2PG              0   18018005125                                                                   M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) RWY 28L, AMDT 4 08/22/2013	AMDT: 3
				DATED: 06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FAITH	FAITH	010	IAF	IF		FB					
	FAITH	DIVEC	020		TF		FB	1.0	284.5(298.5T)	004.0	AA 07000	
	FAITH	PONKE	030		TF		FB	1.0	284.1(298.1T)	003.3	AA 06000	
	FAITH	WETOR	040		TF		FB	1.0	284.0(298.0T)	003.3	AA 05000	
	FAITH	ROKME	050		TF		FB	1.0	284.0(298.0T)	003.3	AA 04000	
	FAITH	HEMAN	060		TF		FB	1.0	284.0(298.0T)	003.0	AA 03100	
	MENLO	MENLO	010	IAF	IF		FB					
	MENLO	HEMAN	020		TF		FB	1.0	333.4(347.4T)	004.3	AA 03100	
		HEMAN	010	FACF	IF		FB				AA 03100	
		DUYET	020	FAF	TF		FB	0.5	283.9(297.9T)	004.3	AA 01800	
		NEPIC	021	SDF	TF		FB	0.3	283.9(297.9T)	002.4	AA 01080 GS 01082	
		RW28L	030	MAP	TF		FO	0.3	283.9(297.9T)	003.4	AT 00065	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		283.9(297.9T)		AA 00213	
	OLYMM	050		DF		FO				AA 04000	
	OLYMM	060		HM	L	FO		278.2(292.2T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DIVEC	N372558.38	W1215606.03	N3725.973	W12156.101
	DUYET	N373402.64	W1221510.54	N3734.044	W12215.176
	FAITH	N372404.38	W1215142.84	N3724.073	W12151.714
	HEMAN	N373201.86	W1221024.00	N3732.031	W12210.400
	MENLO	N372749.27	W1220913.17	N3727.821	W12209.220
	NEPIC	N373509.22	W1221748.78	N3735.154	W12217.813
	OLYMM	N374257.70	W1224021.68	N3742.962	W12240.361
	PONKE	N372731.74	W1215945.79	N3727.529	W12159.763
	ROKME	N373038.13	W1220705.79	N3730.636	W12207.097
	WETOR	N372904.99	W1220325.71	N3729.083	W12203.429
	RW28L	N373643.54	W1222133.35	N3736.726	W12221.556

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28L	00013	53

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) RWY 28L, AMDT 4 08/22/2013	AMDT: 3
				DATED: 06/27/2013

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FAITH (IAF)	DIVEC (FB)	284.53 / 3.98	7000
DIVEC	PONKE (FB)	284.07 / 3.30	6000
PONKE	WETOR (FB)	284.03 / 3.31	5000
WETOR	ROKME (FB)	283.99 / 3.31	4000
ROKME	HEMAN (FB)	283.96 / 2.97	3100
HEMAN (IF)	DUYET (FB)	283.92 / 4.30	1800
DUYET (FAF)	NEPIC/3.36 NM TO RWY 28L (FB)	283.88 / 2.37	1080
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA

CLIMB TO 4000 DIRECT OLYMM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 278.21 INBOUND.
DISTANCE TO THLD FROM 200 HATH: 0.49 NM.
WAAS CHANNEL # 53333
REFERENCE PATH ID: W28D
LTP HAE: -28.7 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT DIVEC
3. FAC: 283.88 FAF: DIST FAF TO MAP: THLD:
4. MIN. ALT: DIVEC 7000, PONKE 6000, WETOR 5000, ROKME 4000, HEMAN 3100, DUYET 1800, NEPIC/3.36 NM TO RW 28L 1080
5. DIST TO THLD FROM OM: 5.73 MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1800 GS ALT AT: DUYET 1800, NEPIC 1080 OM: MM: IM:
7. GS ANGLE: 2.85 TCH: 52.6 34:1 IS CLEAR
8. MSA FROM: RW28L 5100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA #	213	2400	200	213	2400	200	213	2400	200	213	2400	200			
LPV DA	769	2 1/4	756	769	2 1/4	756	769	2 1/4	756	769	2 1/4	756			
LNAV/VNAV DA	754	2 1/4	741	754	2 1/4	741	754	2 1/4	741	754	2 1/4	741			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 2 3/4 MILE.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH LDA PRM RWY 28R AND RNAV (GPS) PRM X RWY 28R.
CHART NOTE: DUAL VHF COMM REQUIRED.
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13 AIRPORT NAME:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO/AMDT NO/EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL		RNAV (GPS) PRM RWY 28L, AMDT 1 (SIMULTANEOUS CLOSE PARALLEL) 08/22/2013	AMDT: ORIG DATED 08/27/2013

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
NEPIC/3.36 NM TO RWY 28L	RW28L (MAP) (FO)	283.88	
RW28L	213 MSL	283.88	
213 MSL	OLYMM (FO)		4000

NOTES, (CONT.):
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: RWY 28L AND 28R SEPARATED BY 750' CENTERLINE TO CENTERLINE.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 2C (36 F) OR ABOVE 54C (130 F)
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: # MISSED APPROACH REQUIRES MINIMUM CLIMB OF 305 FEET PER NM TO 1600.
CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP.

QUALITY CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSFO
RUNWAY	RW28L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28D
LTP/FTP LATITUDE	373643.5435N
LTP/FTP LONGITUDE	1222133.3535W
LTP/FTP ELLIPSOIDAL HEIGHT	-00287
FPAP LATITUDE	373734.6300N
FPAP LONGITUDE	1222335.1800W
THRESHOLD CROSSING HEIGHT (TCH)	00052.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	02.85
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	E69E7A07

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00038
FPAP ORTHOMETRIC HEIGHT	+00038

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) PRM RWY 28L, AMDT 1 (SIMULTANEOUS CLOSE PARALLEL) 08/22/2013	AMDT: ORIG DATED: 06/27/2013

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   DIVEC K20    C     N37255838W121560603                    E0138    NAR          DIVEC
         SUSAEAENRT   DUYET K20    C     N37340264W122151054                    E0139    NAR          DUYET
         SUSAEAENRT   FAITH K20    C     N37240438W121514284                    E0138    NAR          FAITH
         SUSAEAENRT   HEMAN K20    C     N37320186W122102400                    E0139    NAR          HEMAN
         SUSAEAENRT   NEPIC K20    C     N37350922W122174878                    E0140    NAR          NEPIC
         SUSAEAENRT   OLYMM K20    C     N37425770W122402168                    E0140    NAR          OLYMM
         SUSAEAENRT   PONKE K20    C     N37273174W121594579                    E0138    NAR          PONKE
         SUSAEAENRT   ROKME K20    C     N37303813W122070579                    E0139    NAR          ROKME
         SUSAEAENRT   WETOR K20    C     N37290499W122032571                    E0139    NAR          WETOR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2ASFO     0      118YHN37370878W122223085E014000013          1800018000C     MNAR     SAN FRANCISCO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2FR28L  AFAITH 010FAITHK2EA0E  A     IF                                                  18000                 A JS
         SUSAP KSFOK2FR28L  AFAITH 020DIVECK2EA0E     010TF                      28450040     + 07000                              A JS
         SUSAP KSFOK2FR28L  AFAITH 030PONKEK2EA0E     010TF                      28410033     + 06000                              A JS
         SUSAP KSFOK2FR28L  AFAITH 040WETORK2EA0E     010TF                      28400033     + 05000                              A JS
         SUSAP KSFOK2FR28L  AFAITH 050ROKMEK2EA0E     010TF                      28400033     + 04000                              A JS
         SUSAP KSFOK2FR28L  AFAITH 060HEMANK2EA0EE B  010TF                      28400030     + 03100                              A JS
         SUSAP KSFOK2FR28L  R      010HEMANK2EA0E  I     IF                                    + 03100     18000                    A JS
         SUSAP KSFOK2FR28L  R      020DUYETK2EA1E  F  051TF                      28390043     + 01800                RW28L K2PGA JS
         SUSAP KSFOK2FR28L  R      020DUYETK2EA2WALPV        ALNAV/VNAV ALNAV                                                      JS
         SUSAP KSFOK2FR28L  R      021NEPICK2PG0G S  031TF                      28390024       01080                -285          A JS
         SUSAP KSFOK2FR28L  R      030RW28LK2PG0GY M 031TF                      28390034       00065                -285          A JS
         SUSAP KSFOK2FR28L  R      040          0 M     CA                     2809         + 00213                              A JS
         SUSAP KSFOK2FR28L  R      060OLYMMK2EA0EY       DF                                  + 04000                              A JS
         SUSAP KSFOK2FR28L  R      070OLYMMK2EA0EE  L    HM                     27820040     + 04000                              A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2GRW28L   0110812808 N37364354W122213335+0000     -0028700013000053200I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	RNAV	RNAV (GPS) PRM RWY 28L, AMDT 1 (SIMULTANEOUS CLOSE PARALLEL) 08/22/2013	AMDT: ORIG
				DATED: 06/27/2013

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```
SUSAP KSFOK2PR28L  RW28L001 0000W28B0N3736435435W12221333535-002870285N3737346300W122233518001067500000000526F400350E69E7A07
SUSAP KSFOK2PR28L  RW28L002E       +00038+00038LPV        53415

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------

SUSAP KSFOK2SRW28LK2PG              0   18018005125                                                                          M
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CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) PRM RWY 28L, AMDT 1 (SIMULTANEOUS CLOSE PARALLEL) 08/22/2013	AMDT: ORIG
				DATED: 06/27/2013

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FAITH	FAITH	010	IAF	IF		FB					
	FAITH	DIVEC	020		TF		FB	1.0	284.5(298.5T)	004.0	AA 07000	
	FAITH	PONKE	030		TF		FB	1.0	284.1(298.1T)	003.3	AA 06000	
	FAITH	WETOR	040		TF		FB	1.0	284.0(298.0T)	003.3	AA 05000	
	FAITH	ROKME	050		TF		FB	1.0	284.0(298.0T)	003.3	AA 04000	
	FAITH	HEMAN	060		TF		FB	1.0	284.0(298.0T)	003.0	AA 03100	
		HEMAN	010	FACF	IP		FB				AA 03100	
		DUYET	020	FAF	TF		FB	0.5	283.9(297.9T)	004.3	AA 01800	
		NEPIC	021	SDF	TF		FB	0.3	283.9(297.9T)	002.4	AT 01080	
		RW28L	030	MAP	TF		FO	0.3	283.9(297.9T)	003.4	AT 00065	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		280.9(294.9T)		AA 00213	
	OLYMM	060		DF		FO				AA 04000	
	OLYMM	070		HM	L	FO		278.2(292.2T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DIVEC	N372558.38	W1215606.03	N3725.973	W12156.101
	DUYET	N373402.64	W1221510.54	N3734.044	W12215.176
	FAITH	N372404.38	W1215142.84	N3724.073	W12151.714
	HEMAN	N373201.86	W1221024.00	N3732.031	W12210.400
	NEPIC	N373509.22	W1221748.78	N3735.154	W12217.813
	OLYMM	N374257.70	W1224021.68	N3742.962	W12240.361
	PONKE	N372731.74	W1215945.79	N3727.529	W12159.763
	ROKME	N373038.13	W1220705.79	N3730.636	W12207.097
	WETOR	N372904.99	W1220325.71	N3729.083	W12203.429
	RW28L	N373643.54	W1222133.35	N3736.726	W12221.556

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28L	00013	53

QUALITY ONE

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) PRM RWY 28L, AMDT 1 (SIMULTANEOUS CLOSE PARALLEL) 08/22/2013	AMDT: ORIG
				DATED: 08/27/2013

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ANETE (IAF)	FATUS (FB)	281.06 / 3.14	6000
FATUS	HEGOT (FB)	281.03 / 3.14	5000
HEGOT (IF)	WASOP (FB)	280.99 / 3.14	4000
WASOP	MIUKE (FB)	280.95 / 3.14	3000
MIUKE	GOBEC (FB)	280.92 / 3.77	1800
GOBEC (FAF)	DARNE (FO)	280.87 / 2.07	
DARNE	(CFFKC) (FO)	280.87 / 3.37	
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV/VNAV: DA

CLIMBING RIGHT TURN TO 3000 ON HEADING 030 THEN DIRECT OAK VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 063.00 INBOUND.
DISTANCE TO THLD FROM 1127 HATH: 3.37 NM.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 2.95 DEGREES
CHART MISSED APPROACH AND MSA AT/FROM DARNE

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ANETE
3. FAC: 280.87 FAF: DIST FAF TO MAP: THLD:
4. MIN. ALT: ANETE 7000, FATUS 6000, HEGOT 5000, WASOP 4000, MIUKE 3000, GOBEC 1800, DARNE 1140
5. DIST TO THLD FROM OM: 5.44 MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1800 GS ALT AT: GOBEC 1800, DARNE 1140 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 55.2 34:1 IS CLEAR
8. MSA FROM: DARNE 5100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV/VNAV DA #	1140	4	1127	1140	4	1127	1140	4	1127	1140	4	1127			

NOTES:
CHART NOTE: RUNWAY 28L AND 28R SEPARATED BY 750 FEET CENTERLINE TO CENTERLINE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	RNAV	RNAV (GPS) PRM X RWY 28R, AMDT 1 (SIMULTANEOUS CLOSE PARALLEL) 08/22/2013	AMDT: ORIG DATED 06/27/2013

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
(CFFKC)	3000 MSL (VA)	030.00	3000
3000 MSL	OAK VORTAC (FO)		3000

NOTES, (CONT.):
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS PRM RWY 28L AND RNAV (GPS) PRM RWY 28L.
CHART NOTE: DUAL VHF COMM REQUIRED.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS

CHART NOTE: WHEN EXECUTING A MISSED APPROACH OR GO AROUND, UNLESS OTHERWISE INSTRUCTED BY ATC, INITIALLY TURN RIGHT TO 030 DEGREES UTILIZING HEADING MODE.
CHART NOTE: #IF A GO AROUND EXECUTED AFTER PASSING DARNE, GO AROUND REQUIRES A MINIMUM CLIMB OF 380 FEET PER NM TO 1800.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 2C (36F) OR ABOVE 54C (130 F)
CHART PLANVIEW NOTE AT OAKLAND VORTAC: MAX 230 KIAS UNTIL OAK VORTAC
CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP
CHART NOTE: RNAV COURSE 1183 FT RIGHT OF RWY 28R THRESHOLD

QUALITY 4 CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAD        OAK   K2011680VTHA N37433332W122132491    N37433332W122132491E0170000132     NAROAKLAND

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   ANETE K20    C     N37274946W121563391                    E0138     NAR          ANETE
       SUSAEAENRT   CFFKC K20    W     N37370071W122212283                    E0139     NAR          CNF(CFFKC)
       SUSAEAENRT   DARNE K20    C     N37353579W122173213                    E0139     NAR          DARNE
       SUSAEAENRT   FATUS K20    C     N37290929W122000829                    E0139     NAR          FATUS
       SUSAEAENRT   GOBEC K20    C     N37344344W122151018                    E0139     NAR          GOBEC
       SUSAEAENRT   HEGOT K20    C     N37302902W122034280                    E0139     NAR          HEGOT
       SUSAEAENRT   MIUKE K20    C     N37330816W122105225                    E0139     NAR          MIUKE
       SUSAEAENRT   WASOP K20    C     N37314864W122071746                    E0139     NAR          WASOP

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KSFOK2ASFO     0     115YHN37370878W122223085E017000013          1800018000C    MNAR    SAN FRANCISCO INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KSFOK2FR28RX AANETE 010ANETEK2EA0E  A    IF                                  + 07000     18000                A JS
       SUSAP KSFOK2FR28RX AANETE 020FATUSK2EA0E    010TF                      27810031    + 06000                          A JS
       SUSAP KSFOK2FR28RX AANETE 030HEGOTK2EA0EE B 010TF                      27800031    + 05000                          A JS
       SUSAP KSFOK2FR28RX R      010HEGOTK2EA0E  I    IF                                  + 05000     18000                A JS
       SUSAP KSFOK2FR28RX R      011WASOPK2EA0E S  051TF                      27800031    + 04000                          A JS
       SUSAP KSFOK2FR28RX R      012MIUKEK2EA0E S  051TF                      27800031    + 03000                          A JS
       SUSAP KSFOK2FR28RX R      020GOBECK2EA1E  F 051TF                      27790038    + 01800                DARNE K2EAA JS
       SUSAP KSFOK2FR28RX R      020GOBECK2EA2WN          ALNAV/VNAV N                                                      JS
       SUSAP KSFOK2FR28RX R      021DARNEK2EA0EYS  031TF                      27790021      01140                          A JS
       SUSAP KSFOK2FR28RX R      030CFFKCK2EA0EY M 031TF                      27790034      00068          -300            A JS
       SUSAP KSFOK2FR28RX R      040          0  M R   VA                    0300        + 03000                          A JS
       SUSAP KSFOK2FR28RX R      050OAK  K2D 0VY       DF                                + 03000          230             A-JS
       SUSAP KSFOK2FR28RX R      060OAK  K2D 0VE  R    HM                    06000040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KSFOK2GRW28R   0115702808 N37365010W122212900-0100     -00287000130000552001
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: **SAN FRANCISCO INTL**	**RNAV**	**RNAV (GPS) PRM X RWY 28R, AMDT 1 (SIMULTANEOUS CLOSE PARALLEL) 08/22/2013**	AMDT: **ORIG** DATED: **06/27/2013**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2SDARNEK2EA              0   18018005125                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) PRM X RWY 28R, AMDT 1 (SIMULTANEOUS CLOSE PARALLEL) 08/22/2013	AMDT: ORIG
				DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ANETE	ANETE	010	IAF	IF		FB				AA 07000	
	ANETE	FATUS	020		TF		FB	1.0	278.1()	003.1	AA 06000	
	ANETE	HEGOT	030		TF		FB	1.0	278.0()	003.1	AA 05000	
		HEGOT	010	FACF	IF		FB				AA 05000	
		WASOP	011	SDF	TF		FB	0.5	278.0()	003.1	AA 04000	
		MIUKE	012	SDF	TF		FB	0.5	278.0()	003.1	AA 03000	
		GOBEC	020	FAF	TF		FB	0.5	277.9()	003.8	AA 01800	
		DARNE	021	SDF	TF		FO	0.3	277.9()	002.1	AT 01140	
		CFFKC	030	MAP	TF		FO	0.3	277.9()	003.4	AT 00068	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VA	R	FB		030.0()		AA 03000	
	OAK	050		DF		FO				AA 03000	AB 230
	OAK	060		HM	R	FO		060.0()	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OAK	N374333.32	W1221324.91	N3743.555	W12213.415
	ANETE	N372749.46	W1215633.91	N3727.824	W12156.565
	CFFKC	N373700.71	W1222122.83	N3737.012	W12221.381
	DARNE	N373535.79	W1221732.13	N3735.597	W12217.536
	FATUS	N372909.29	W1220008.29	N3729.155	W12200.138
	GOBEC	N373443.44	W1221510.18	N3734.724	W12215.170
	HEGOT	N373029.02	W1220342.80	N3730.484	W12203.713
	MIUKE	N373308.16	W1221052.25	N3733.136	W12210.871
	WASOP	N373148.64	W1220717.46	N3731.811	W12207.291
	RW28R	N373650.10	W1222129.00	N3736.835	W12221.483

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28R	00013	55

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) PRM X RWY 28R, AMDT 1 (SIMULTANEOUS CLOSE PARALLEL) 08/22/2013	AMDT: ORIG
				DATED: 06/27/2013

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ANETE (IAF)	FATUS (FB)	281.06 / 3.14	6000
FATUS	HEGOT (FB)	281.03 / 3.14	5000
HEGOT (IF)	WASOP (FB)	280.99 / 3.14	4000
WASOP	MIUKE (FB)	280.95 / 3.14	3000
MIUKE	GOBEC (FB)	280.92 / 3.77	1800
GOBEC (FAF)	DARNE (FO)	280.87 / 2.07	1140
DARNE	(CFFKC) (FO)	280.87 / 3.37	
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV/VNAV: DA

CLIMBING RIGHT TURN TO 3000 ON HEADING 030 THEN DIRECT OAK VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 063.00 INBOUND.
DISTANCE TO THLD FROM 1127 HATH: 3.37 NM.
CHART MISSED APPROACH AND MSA AT/FROM DARNE
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 2.95 DEGREES
FAC 1343R OF RWY C/L EXTENDED 3000 FROM THLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ANETE
3. FAC: 280.87 FAF: DIST FAF TO MAP: THLD:
4. MIN. ALT: ANETE 7000, FATUS 6000, HEGOT 5000, WASOP 4000, MIUKE 3000, GOBEC 1800, DARNE 1140
5. DIST TO THLD FROM OM: 5.44 MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1800 GS ALT AT: GOBEC 1800, DARNE 1140 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 55.2 34:1 IS CLEAR
8. MSA FROM: DARNE 5100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A | X |

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV/VNAV DA #	1140	4	1127	1140	4	1127	1140	4	1127	1140	4	1127			

NOTES:
CHART NOTE: RUNWAY 28L AND 28R SEPARATED BY 750 FEET CENTERLINE TO CENTERLINE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 13 THRE: 13 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	RNAV	RNAV (GPS) X RWY 28R, AMDT 1 8/22/2013	AMDT: ORIG
				DATED 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
(CFFKC)	3000 MSL (VA)	030.00	3000
3000 MSL	OAK VORTAC (FO)		3000

NOTES, (CONT.):
CHART NOTE: WHEN EXECUTING A MISSED APPROACH OR GO AROUND, UNLESS OTHERWISE INSTRUCTED BY ATC, INITIALLY TURN RIGHT TO 030 DEGREES UTILIZING HEADING MODE.
CHART NOTE: #IF A GO AROUND EXECUTED AFTER PASSING DARNE, GO AROUND REQUIRES A MINIMUM CLIMB OF 380 FEET PER NM TO 1800.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 2C (36F) OR ABOVE 54C (130 F)
CHART PLANVIEW NOTE AT OAKLAND VORTAC: MAX 230 KIAS UNTIL OAK VORTAC

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	RNAV	RNAV (GPS) X RWY 28R, AMDT 1 8/22/2013	AMDT: ORIG
				DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        OAK   K2011680VTHA N37433332W122132491    N37433332W122132491E0170000132     NAROAKLAND

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ANETE K20    C     N37274946W121563391                    E0138     NAR          ANETE
        SUSAEAENRT   CFFKC K20    W     N37370071W122212283                    E0139     NAR          CNF(CFFKC)
        SUSAEAENRT   DARNE K20    C     N37353579W122173213                    E0139     NAR          DARNE
        SUSAEAENRT   FATUS K20    C     N37290929W122000829                    E0138     NAR          FATUS
        SUSAEAENRT   GOBEC K20    C     N37344344W122151018                    E0139     NAR          GOBEC
        SUSAEAENRT   HEGOT K20    C     N37302902W122034280                    E0139     NAR          HEGOT
        SUSAEAENRT   MIUKE K20    C     N37330816W122105225                    E0139     NAR          MIUKE
        SUSAEAENRT   WASOP K20    C     N37314864W122071746                    E0139     NAR          WASOP

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2ASFO     0     115YHN37370878W122223085E017000013          1800018000C    MNAR    SAN FRANCISCO INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2FR28RX AANETE 010ANETEK2EA0E  A    IF                                + 07000     18000                A JS
        SUSAP KSFOK2FR28RX AANETE 020FATUSK2EA0E    010TF                    27810031     + 06000                          A JS
        SUSAP KSFOK2FR28RX AANETE 030HEGOTK2EA0EE B 010TF                    27800031     + 05000                          A JS
        SUSAP KSFOK2FR28RX R      010HEGOTK2EA0E  I    IF                                + 05000     18000                A JS
        SUSAP KSFOK2FR28RX R      011WASOPK2EA0E S  051TF                    27800031     + 04000                          A JS
        SUSAP KSFOK2FR28RX R      012MIUKEK2EA0E S  051TF                    27800031     + 03000                          A JS
        SUSAP KSFOK2FR28RX R      020GOBECK2EA1E  F 051TF                    27790038     + 01800          DARNE K2EAA     JS
        SUSAP KSFOK2FR28RX R      020GOBECK2EA2WN          ALNAV/VNAV N                                                  JS
        SUSAP KSFOK2FR28RX R      021DARNEK2EA0EYS  031TF                    27790021       01140                          A JS
        SUSAP KSFOK2FR28RX R      030CFFKCK2EA0EY M 031TF                    27790034       00068          -300            A JS
        SUSAP KSFOK2FR28RX R      040         0  M R   VA                                + 03000                          A JS
        SUSAP KSFOK2FR28RX R      050OAK   K2D 0VY       DF                             + 03000         230              A-JS
        SUSAP KSFOK2FR28RX R      060OAK   K2D 0VE  R    HM                    06000040     + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2GRW28R   0115702808 N37365010W122212900-0100     -0028700013000055200I
```

ORIGINAL 4 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) X RWY 28R, AMDT 1 8/22/2013	AMDT: ORIG
				DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2SDARNEK2EA              0   18018005125                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) X RWY 28R, AMDT 1 8/22/2013	AMDT: ORIG
				DATED: 06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ANETE	ANETE	010	IAF	IF		FB				AA 07000	
	ANETE	FATUS	020		TF		FB	1.0	278.1(295.1T)	003.1	AA 06000	
	ANETE	HEGOT	030		TF		FB	1.0	278.0(295.0T)	003.1	AA 05000	
		HEGOT	010	FACF	IF		FB				AA 05000	
		WASOP	011	SDF	TF		FB	0.5	278.0(295.0T)	003.1	AA 04000	
		MIUKE	012	SDF	TF		FB	0.5	278.0(295.0T)	003.1	AA 03000	
		GOBEC	020	FAF	TF		FB	0.5	277.9(294.9T)	003.8	AA 01800	
		DARNE	021	SDF	TF		FO	0.3	277.9(294.9T)	002.1	AT 01140	
		CFFKC	030	MAP	TF		FO	0.3	277.9(294.9T)	003.4	AT 00068	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VA	R	FB				AA 03000	
	OAK	050		DF		FO				AA 03000	AB 230
	OAK	060		HM	R	FO	2.0	060.0(077.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OAK	N374333.32	W1221324.91	N3743.555	W12213.415
	ANETE	N372749.46	W1215633.91	N3727.824	W12156.565
	CFFKC	N373700.71	W1222122.83	N3737.012	W12221.381
	DARNE	N373535.79	W1221732.13	N3735.597	W12217.536
	FATUS	N372909.29	W1220008.29	N3729.155	W12200.138
	GOBEC	N373443.44	W1221510.18	N3734.724	W12215.170
	HEGOT	N373029.02	W1220342.80	N3730.484	W12203.713
	MIUKE	N373308.16	W1221052.25	N3733.136	W12210.871
	WASOP	N373148.64	W1220717.46	N3731.811	W12207.291
	RW28R	N373650.10	W1222129.00	N3736.835	W12221.483

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28R	00013	55



CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: **SAN FRANCISCO INTL**	**RNAV**	**RNAV (GPS) X RWY 28R, AMDT 1** 8/22/2013	AMDT: **ORIG**
				DATED: **06/27/2013**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
STINS (IAF)	DOTNE	118.85 / 9.25	3500
DOTNE (IF)	JULOS	103.65 / 6.15	1900
JULOS (FAF)	RW10R (MAP) (FO)	103.72 / 5.76	
RW10R (MAP)	413 MSL	103.72	
413 MSL	DUMBA (FO)		4000

MISSED APPROACH

LNAV: RW10R

CLIMB TO 4000 DIRECT DUMBA AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 283.98 INBOUND.
FAS OBST: 949 AAO 373907N/1222821W
JULOS TO RW10R: 3.00/60.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT DOTNE
3. FAC: 103.72 FAF: JULOS DIST FAF TO MAP: 5.76 THLD: 5.76
4. MIN. ALT: DOTNE 3500, JULOS 1900
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW10R 5100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1200	6000	1193	1200	1 1/2	1193	1200	3	1193	1200	3	1193			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT STINS ON V25-199 AND V27 NORTHWEST BOUND.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN VGSI INOPERATIVE, PROCEDURE NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 5000 NOT AUTHORIZED.

@ CAT A, B 1200-2, CAT C, D 1200-3

QUALITY 11 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 7 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	RNAV	RNAV (GPS) Y RWY 10R, AMDT 2 08/22/2013	AMDT: 1 DATED 09/20/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   DOTNE K20    W      N37430718W122365136                    E0140     NAR           DOTNE
         SUSAEAENRT   DUMBA K20    C      N37301266W122054613                    E0139     NAR           DUMBA
         SUSAEAENRT   JULOS K20    W      N37401565W122295996                    E0140     NAR           JULOS
         SUSAEAENRT   STINS K20    C    L N37492524W122452406                    E0140     NAR           STINS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2ASFO      0     118YHN37370878W122223085E014000013          1800018000C    MNAR    SAN FRANCISCO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2FR10RY ASTINS 010STINSK2EA0E  A    IF                                                18000                B JS
         SUSAP KSFOK2FR10RY ASTINS 020DOTNEK2EA0EE B 010TF                        11890093    + 03500                           B JS
         SUSAP KSFOK2FR10RY R      010DOTNEK2EA0E  I    IF                                  + 03500     18000                 B JS
         SUSAP KSFOK2FR10RY R      020JULOSK2EA1E  F 051TF                        10370062    + 01900                RW10R K2PGB JS
         SUSAP KSFOK2FR10RY R      020JULOSK2EA2WN          N          ALNAV                                                  JS
         SUSAP KSFOK2FR10RY R      030RW10RK2PG0GY M 031TF                        10370058      00067                -300     B JS
         SUSAP KSFOK2FR10RY R      040         0  M     CA                        1037        + 00413                       B JS
         SUSAP KSFOK2FR10RY R      050DUMBAK2EA0EY       DF                                  + 04000                       B JS
         SUSAP KSFOK2FR10RY R      060DUMBAK2EA0EE  L    HM                        28400040    + 04000                       B JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2GRW10R   0110811038 N37373464W122233518+0000     -00304000070000602000R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2SRW10RK2PG              0   18018005125                                                                        M
```



CITY AND STATE	ELEVATION: 13 THRE: 7	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: **SAN FRANCISCO INTL**	**RNAV**	**RNAV (GPS) Y RWY 10R, AMDT 2** **08/22/2013**	AMDT: **1** DATED: **09/20/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	STINS	STINS	010	IAF	IF		FB					
	STINS	DOTNE	020		TF		FB	1.0	118.9(132.9T)	009.3	AA 03500	
		DOTNE	010	FACF	IF		FB				AA 03500	
		JULOS	020	FAF	TF		FB	0.5	103.7(117.7T)	006.2	AA 01900	
		RW10R	030	MAP	TF		FO	0.3	103.7(117.7T)	005.8	AT 00067	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		103.7(117.7T)		AA 00413	
	DUMBA	050		DF		FO				AA 04000	
	DUMBA	060		HM	L	FO		284.0(298.0T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DOTNE	N374307.18	W1223651.36	N3743.120	W12236.856
	DUMBA	N373012.66	W1220546.13	N3730.211	W12205.769
	JULOS	N374015.65	W1222959.96	N3740.261	W12229.999
	STINS	N374925.24	W1224524.06	N3749.421	W12245.401
	RW10R	N373734.64	W1222335.18	N3737.577	W12223.586

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10R	00007	60

QUALITY 11 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 7 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	RNAV	RNAV (GPS) Y RWY 10R, AMDT 2 08/22/2013	AMDT: 1
				DATED: 09/20/2012

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC: ____ FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT:
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT:
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 22 AUGUST 2013

CITY AND STATE	ELEVATION: 13 TDZE: 11	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: **SAN FRANCISCO INTL**	**RNAV**	**RNAV (GPS) Y RWY 19L, ORIG-A, 06/30/2011**	AMDT: **ORIG**
				DATED **06/13/2002**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT____ SIDE OF COURSE_____ OUTBOUND_____ FT WITHIN____ MILES OF_____ (IAF)
2.
3. FAC:_____ FAF:_____ DIST FAF TO MAP:_____ THLD:_____
4. MIN. ALT:
5. DIST TO THLD FROM OM:_____ MM:_____ IM:_____ 150 HAT:_____ 100 HAT:_____ GS ANT:
6. MIN GS INCPT:_____ GS ALT AT:_____ OM:_____ MM:_____ IM:_____
7. GS ANGLE:_____ TCH:_____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 22 AUGUST 2013

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 13 TDZE: 10	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) Y RWY 19R, ORIG-A, 06/30/2011	AMDT: ORIG
				DATED 06/13/2002

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MENLO (IAF)	CEPIN (FB)	334.04 / 4.43	3000
MEHTA (IAF)	DUMBA (FB)	283.81 / 5.38	4000
DUMBA	CEPIN (FB)	283.98 / 4.15	3000
CEPIN (IF)	AXMUL (FB)	283.94 / 4.55	1800
AXMUL (FAF)	RW28R (MAP) (FO)	283.88 / 5.44	
RW28R (MAP)	287 MSL		
287 MSL	VIKYU (FO)		

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW28R

CLIMB TO 3000 DIRECT VIKYU AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CEPIN
3. FAC: 283.88 FAF: AXMUL DIST FAF TO MAP: 5.44 THLD: 5.44
4. MIN. ALT: CEPIN 3000, AXMUL 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: AXMUL 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.2 34:1 IS CLEAR
8. MSA FROM: RW28R 5100

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 283.82 INBOUND.
CHART FAS OBST: 320 T-L TWR 373511N/1221450W
DISTANCE TO THLD FROM 274 HATH: 0.69 NM.
CHART VDP AT 2.13 MILES TO RW28R*
*LNAV ONLY.
WAAS CHANNEL # 48803
REFERENCE PATH ID: W28A
CHART CIRCLING ICON
LTP HAE: -28.7 M

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	287	2400	274	287	2400	274	287	2400	274	287	2400	274			
LNAV/VNAV DA	641	1 5/8	628	641	1 5/8	628	641	1 5/8	628	641	1 5/8	628			
LNAV MDA	760	2400	747	760	4000	747	760	1 3/4	747	760	1 3/4	747			
CIRCLING	760	1	747	1000	1 1/2	987	1560	3	1547		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 2 1/4 MILE AND INCREASE LNAV CAT C AND D VISIBILITY TO 2 MILE.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 2C (36 F) OR ABOVE (SEE FORM 8260-10)

@ CAT B 1000-2, CAT C 1600-3

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL		RNAV (GPS) Z RWY 28R, AMDT 4 08/22/2013	AMDT: 3 DATED 06/27/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
54C (130 F)
CHART PLANVIEW NOTE: RADAR REQUIRED
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT
CHART NOTE: CIRCLING NA TO RWYs 10L, 10R, 19L, AND 19R.
CHART NOTE: CIRCLING TO RWY 01L AND 01R NA AT NIGHT

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) Z RWY 28R, AMDT 4 08/22/2013	AMDT: 3
				DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSFO
RUNWAY	RW28R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	373650.1015N
LTP/FTP LONGITUDE	1222129.0045W
LTP/FTP ELLIPSOIDAL HEIGHT	-00287
FPAP LATITUDE	373743.4700N
FPAP LONGITUDE	1222336.2100W
THRESHOLD CROSSING HEIGHT (TCH)	00055.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F0862390

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00039
FPAP ORTHOMETRIC HEIGHT	+00039

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) Z RWY 28R, AMDT 4 08/22/2013	AMDT: 3
				DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AXMUL K20    C     N37341746W122152595                    E0139     NAR          AXMUL
        SUSAEAENRT   CEPIN K20    C     N37320943W122102235                    E0139     NAR          CEPIN
        SUSAEAENRT   DUMBA K20    C     N37301266W122054613                    E0139     NAR          DUMBA
        SUSAEAENRT   MEHTA K20    C     N37274209W121594749                    E0138     NAR          MEHTA
        SUSAEAENRT   MENLO K20    C     N37274927W122091317                    E0139     NAR          MENLO
        SUSAEAENRT   VIKYU K20    C     N37424864W122354634                    E0140     NAR          VIKYU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2ASFO     0     115YHN37370878W122223085E014000013         1800018000C    MNAR    SAN FRANCISCO INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2FR28RZ AMEHTA 010MEHTAK2EA0E  A    IF                                          18000                A JS
        SUSAP KSFOK2FR28RZ AMEHTA 020DUMBAK2EA0E    010TF                   28380054    + 04000                      A JS
        SUSAP KSFOK2FR28RZ AMEHTA 030CEPINK2EA0EE B 010TF                   28400042    + 03000                      A JS
        SUSAP KSFOK2FR28RZ AMENLO 010MENLOK2EA0E  A    IF                                          18000                A JS
        SUSAP KSFOK2FR28RZ AMENLO 020CEPINK2EA0EE B 010TF                   33400044    + 03000                      A JS
        SUSAP KSFOK2FR28RZ R      010CEPINK2EA0E  I    IF                               + 03000    18000                A JS
        SUSAP KSFOK2FR28RZ R      020AXMULK2EA1E  F 051TF                   28390046    + 01800              RW28R K2PGA JS
        SUSAP KSFOK2FR28RZ R      020AXMULK2EA2WALPV       ALNAV/VNAV ALNAV                                             JS
        SUSAP KSFOK2FR28RZ R      030RW28RK2PG0GY M 031TF                   28390054      00068          -300           A JS
        SUSAP KSFOK2FR28RZ R      040         0  M     CA                   2839        + 00287                      A JS
        SUSAP KSFOK2FR28RZ R      050VIKYUK2EA0EY       DF                               + 03000                      A JS
        SUSAP KSFOK2FR28RZ R      060VIKYUK2EA0EE  R    HM                   28380040    + 03000                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2GRW28R   0115702838 N37365010W122212900-0100    -0028700013000055200I

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFOK2PR28RZ RW28R001Z0000W28A0N3736501015W12221290045-002870300N3737434700W122233621001067500000000552F400500F0862390
        SUSAP KSFOK2PR28RZ RW28R002E      +00039+00039LPV       48803

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) Z RWY 28R, AMDT 4 08/22/2013	AMDT: 3
				DATED: 08/27/2013

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```
SUSAP KSFOK2SRW28RK2PG          0   18018005125                                    M
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 13 / THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (GPS) Z RWY 28R, AMDT 4 08/22/2013	AMDT: 3
				DATED: 06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MEHTA	MEHTA	010	IAF	IF		FB					
	MEHTA	DUMBA	020		TF		FB	1.0	283.8(297.8T)	005.4	AA 04000	
	MEHTA	CEPIN	030		TF		FB	1.0	284.0(298.0T)	004.2	AA 03000	
	MENLO	MENLO	010	IAF	IF		FB					
	MENLO	CEPIN	020		TF		FB	1.0	334.0(348.0T)	004.4	AA 03000	
		CEPIN	010	FACF	IF		FB				AA 03000	
		AXMUL	020	FAF	TF		FB	0.5	283.9(297.9T)	004.6	AA 01800	
		RW28R	030	MAP	TF		FO	0.3	283.9(297.9T)	005.4	AT 00068	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		283.9(297.9T)		AA 00287	
	VIKYU	050		DF		FO				AA 03000	
	VIKYU	060		HM	R	FO		283.8(297.8T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AXMUL	N373417.46	W1221525.95	N3734.291	W12215.433
	CEPIN	N373209.43	W1221022.35	N3732.157	W12210.373
	DUMBA	N373012.66	W1220546.13	N3730.211	W12205.769
	MEHTA	N372742.09	W1215947.49	N3727.702	W12159.792
	MENLO	N372749.27	W1220913.17	N3727.821	W12209.220
	VIKYU	N374248.64	W1223546.34	N3742.811	W12235.772
	RW28R	N373650.10	W1222129.00	N3736.835	W12221.483

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28R	00013	55

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	**SAN FRANCISCO INTL**	**RNAV**	**RNAV (GPS) Z RWY 28R, AMDT 4**	AMDT: **3**
			08/22/2013	DATED: **06/27/2013**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BATKE (IF)	GUTTS (TF) (FB) (RNP 1.00)	283.58 / 4.44	2500
GUTTS	DONNG (TF) (FB) (RNP 1.00)	283.86 / 5.15	1800
DONNG (FAF)	*JOSUF (RF) (FB)	(2.92 NM RADIUS CCW (CFFJZ))/1.68	
JOSUF	*FABLA (RF) (FB)	(2.85 NM RADIUS CW (CFFJX))/1.65	
FABLA	*RW28R (MAP) (TF) (FO)	283.84 / 2.11	
RW28R (MAP)	VIKYU (TF) (FO) (RNP 1.00)	283.82 / 12.82	3000

MISSED APPROACH

RNP: DA

CLIMB TO 3000 ON TRACK 283.82 TO VIKYU AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 283.82 INBOUND.
CHART FAS OBST: 46 ANT 373634N/1222050W
CHART 13 SIGN 373651N/1222128W
DISTANCE TO THLD FROM 286 HATH: 0.72 NM
#TCH 67.9 MSL (DO NOT CHART)
ROUTE TYPE: A, H
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
CHART 320 T-L TWR 373511N/1221450W

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT BATKE
3. FAC: * FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: BATKE 3000, GUTTS 2500, DONNG 1800
5. DIST TO THLD FROM OM: 5.44 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: DONNG 1800, JOSUF 1263, FABLA 730 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.2 34:1 IS NOT CLEAR
8. MSA FROM: RW28R 5100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.10* DA	299	4000	286	299	4000	286	299	4000	286	299	4000	286			
RNP 0.30** DA	415	4500	402	415	4500	402	415	4500	402	415	4500	402			

NOTES:
CHART NOTE: GPS REQUIRED
CHART NOTE: RF REQUIRED
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.10* ALL CATS VISIBILITY TO RVR 4500 AND RNP 0.30*

(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 13 THRE: 13 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	RNAV	RNAV (RNP) Y RWY 28R, AMDT 2 08/22/2013	AMDT: 1 DATED 06/27/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
ALL CATS VISIBILITY TO 1 3/8 MILE
CHART PLANVIEW NOTE: RADAR REQUIRED
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 2 (36F) OR ABOVE 54C (130F)
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT
CHART NOTE: *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 250 FEET PER NM TO 2000
CHART NOTE: **MISSED APPROACH REQUIRES MINIMUM CLIMB OF 325 FEET PER NM TO 2500

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: **SAN FRANCISCO INTL**	**RNAV**	**RNAV (RNP) Y RWY 28R, AMDT 2** **08/22/2013**	AMDT: **1**
				DATED: **06/27/2013**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (RNP)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   BATKE K20    W     N37304440W122042432                    E0139    NAR          BATKE
         SUSAEAENRT   CFFJX K20    W     N37382229W122172755                    E0139    NAR          CNF(CFFJX)
         SUSAEAENRT   CFFJZ K20    W     N37323712W122164790                    E0139    NAR          CNF(CFFJZ)
         SUSAEAENRT   DONNG K20    W     N37351226W122150508                    E0139    NAR          DONNG
         SUSAEAENRT   FABLA K20    W     N37355092W122190811                    E0139    NAR          FABLA
         SUSAEAENRT   GUTTS K20    W     N37324784W122092138                    E0139    NAR          GUTTS
         SUSAEAENRT   JOSUF K20    W     N37353180W122170796                    E0139    NAR          JOSUF
         SUSAEAENRT   VIKYU K20    C     N37424864W122354634                    E0140    NAR          VIKYU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2ASFO      0     115YHN37370878W122223085E014000013          1800018000C     MNAR     SAN FRANCISCO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2FH28RY H      010BATKEK2EA0E  I    IF                                  + 03000     18000                 A FS
         SUSAP KSFOK2FH28RY H      011GUTTSK2EA0E S  010TF                                  + 02500                           A FS
         SUSAP KSFOK2FH28RY H      020DONNGK2EA1E  F 010TF                                  + 01800                RW28R K2PGA FS
         SUSAP KSFOK2FH28RY H      020DONNGK2EA2W                                               A031A011                      FS
         SUSAP KSFOK2FH28RY H      021JOSUFK2EA0E   L031RF       0029202839    25080017                          -300CFFJZ K2EAA FS
         SUSAP KSFOK2FH28RY H      022FABLAK2EA0E   R031RF       0028502508    28380017                          -300CFFJX K2EAA FS
         SUSAP KSFOK2FH28RY H      030RW28RK2PG0GY M 031TF                                    00068                -300         A FS
         SUSAP KSFOK2FH28RY H      040VIKYUK2EA0EYM  010TF                                  + 03000                           A FS
         SUSAP KSFOK2FH28RY H      050VIKYUK2EA0EE  R   HM                    28380040    + 03000                           A FS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2GRW28R    0115702838 N37365010W122212900-0100     -0028700013000055200IIGWQ3     IFNPL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSFOK2SRW28RK2PG              0    18018005125                                                                  M
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (RNP) Y RWY 28R, AMDT 2	AMDT: 1
			08/22/2013	DATED: 06/27/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		BATKE	010	FACF	IF		FB				AA 03000	
		GUTTS	011	SDF	TF		FB	1.0			AA 02500	
		DONNG	020	FAF	TF		FB	1.0			AA 01800	
		JOSUF	021		RF	L	FB	0.3		001.7		
		FABLA	022		RF	R	FB	0.3		001.7		
		RW28R	030	MAP	TF		FO	0.3			AT 00068	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	VIKYU	040		TF		FO	1.0			AA 03000	
	VIKYU	050		HM	R	FO		283.8(297.8T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BATKE	N373044.40	W1220424.32	N3730.740	W12204.405
	CFFJX	N373822.29	W1221727.55	N3738.372	W12217.459
	CFFJZ	N373237.12	W1221647.90	N3732.619	W12216.798
	DONNG	N373512.26	W1221505.08	N3735.204	W12215.085
	FABLA	N373550.92	W1221908.11	N3735.849	W12219.135
	GUTTS	N373247.84	W1220921.38	N3732.797	W12209.356
	JOSUF	N373531.80	W1221707.96	N3735.530	W12217.133
	VIKYU	N374248.64	W1223546.34	N3742.811	W12235.772
	RW28R	N373650.10	W1222129.00	N3736.835	W12221.483

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28R	00013	55

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 13	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (RNP) Y RWY 28R, AMDT 2 08/22/2013	AMDT: 1
				DATED: 06/27/2013

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
STINS (IAF)	DOTNE (TF) (FB) (RNP 1.00)	118.85 / 9.25	3500
DOTNE (IF)	JULOS (TF) (FB) (RNP 1.00)	103.65 / 8.15	1900
JULOS (FAF)	RW10R (MAP) (TF) (FO)	103.72 / 5.76	
RW10R (MAP)	IGUKE (TF) (FB) (RNP 1.00)	103.79 / 7.23	
IGUKE	DUMBA (TF) (FO) (RNP 1.00)	103.08 / 8.74	3600

MISSED APPROACH

RNP: DA

CLIMB TO 3600 ON TRACK 103.79 TO IGUKE AND ON TRACK 103.08 TO DUMBA AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 283.98 INBOUND.
CHART 17 LOC 373736N/1222338W
CHART 7 GRD 373736N/1222335W
CHART 7 GRD 373733N/1222337W
CHART 9 GRD 373734N/1222337W
CHART 8 GRD 373735N/1222337W
CHART 17 OL ON LOC 373736N/1222338W
CHART 26 DME 28L 373735N/1222339W
CHART 25 OL ON DME 373734N/1222340W
DISTANCE TO THLD FROM 386 HATH: 1.02 NM
ROUTE TYPE: A, H
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
#TCH 67.2 MSL (DO NOT CHART)

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT DOTNE
3. FAC: 103.72 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: DOTNE 3500, JULOS 1900
5. DIST TO THLD FROM OM: 5.76 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1900 GS ALT AT: JULOS 1900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 60.0# 34:1 IS NOT CLEAR
8. MSA FROM: RW10R 5100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.20 DA	393	1 1/4	386	393	1 1/4	386	393	1 1/4	386	393	1 1/4	386			
RNP 0.30 DA	1105	4	1098	1105	4	1098	1105	4	1098	1105	4	1098			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 2C (36F) OR ABOVE 54C (130F). @ CAT A, B, C, D 1100-4
CHART NOTE: GPS REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT STINS ON V25-199 AND V27 NORTHWEST BOUND.
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 7 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	SAN FRANCISCO INTL	RNAV	RNAV (RNP) Z RWY 10R, AMDT 2 08/22/2013	AMDT: 1 DATED 09/20/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (RNP)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   DOTNE K20    W     N37430718W122365136                    E0140     NAR           DOTNE
          SUSAEAENRT   DUMBA K20    C     N37301266W122054613                    E0139     NAR           DUMBA
          SUSAEAENRT   IGUKE K20    W     N37341200W122153277                    E0139     NAR           IGUKE
          SUSAEAENRT   JULOS K20    W     N37401565W122295996                    E0140     NAR           JULOS
          SUSAEAENRT   STINS K20    C   L N37492524W122452406                    E0140     NAR           STINS

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2ASFO     0     115YHN37370878W122223085E014000013          1800018000C    MNAR    SAN FRANCISCO INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2FH10RZ ASTINS 010STINSK2EA0E  A    IF                                          18000                A FS
          SUSAP KSFOK2FH10RZ ASTINS 020DOTNEK2EA0EE B 010TF                                  + 03500                      A FS
          SUSAP KSFOK2FH10RZ H      010DOTNEK2EA0E  I    IF                                  + 03500     18000            A FS
          SUSAP KSFOK2FH10RZ H      020JULOSK2EA1E  F 010TF                                  + 01900                 RW10R K2PGA FS
          SUSAP KSFOK2FH10RZ H      020JULOSK2EA2W                                                A031A021                  FS
          SUSAP KSFOK2FH10RZ H      030RW10RK2PGOGY M 031TF                                    00067            -300        A FS
          SUSAP KSFOK2FH10RZ H      040IGUKEK2EA0E M  010TF                                  + 03600                      A FS
          SUSAP KSFOK2FH10RZ H      050DUMBAK2EA0EY   010TF                                  + 03600                      A FS
          SUSAP KSFOK2FH10RZ H      060DUMBAK2EA0EE  L   HM                      28400040    + 03600                      A FS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2GRW10R   0110811038 N37373464W122233518+0000    -0030400007000060200R

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFOK2SRW10RK2PG              0   18018005125                                                                  M
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CITY AND STATE	ELEVATION: 13 THRE: 7	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (RNP) Z RWY 10R, AMDT 2 08/22/2013	AMDT: 1
				DATED: 09/20/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	STINS	STINS	010	IAF	IF		FB					
	STINS	DOTNE	020		TF		FB	1.0			AA 03500	
		DOTNE	010	FACF	IF		FB				AA 03500	
		JULOS	020	FAF	TF		FB	1.0			AA 01900	
		RW10R	030	MAP	TF		FO	0.3			AT 00067	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		IGUKE	040		TF		FB	1.0				
		DUMBA	050		TF		FO	1.0			AA 03600	
		DUMBA	060		HM	L	FO		284.0(298.0T)	004.0	AA 03600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DOTNE	N374307.18	W1223651.36	N3743.120	W12236.856
	DUMBA	N373012.66	W1220546.13	N3730.211	W12205.769
	IGUKE	N373412.00	W1221532.77	N3734.200	W12215.546
	JULOS	N374015.65	W1222959.96	N3740.261	W12229.999
	STINS	N374925.24	W1224524.06	N3749.421	W12245.401
	RW10R	N373734.64	W1222335.18	N3737.577	W12223.586

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10R	00007	60



CITY AND STATE	ELEVATION: 13 THRE: 7	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	RNAV	RNAV (RNP) Z RWY 10R, AMDT 2 08/22/2013	AMDT: 1
				DATED: 09/20/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CCR VOR/DME	BOBJA INT/ 28.00 DME	234.97 / 2.56	5000
BOBJA INT/ 28.00 DME (IAF)	OAKEL INT/ 16.60 DME	191.00 / 11.40 (SFO R-011)	4000
OAKEL INT/ 16.60 DME (IF)	ALAME INT/ 9.20 DME	191.00 / 7.40 (SFO R-011)	2800
ALAME INT/9.20 DME	FULLR INT/ 5.74 DME	191.00 / 3.46 (SFO R-011)	1800

MISSED APPROACH

MAP: 4.94 MILES AFTER FULLR INT/5.74 DME OR AT JEVEB/ 0.80 DME FIX

CLIMBING LEFT TURN TO 3000 ON SFO VOR/DME R-101 TO DUMBA INT/SFO 14.96 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 280.59 INBOUND.
CHART FAS OBST: 189 TREE 373907N/1222240W
FULLR TO RW19L: 3.14/75
FAC 381R OF RWY C/L EXTENDED 3000 FROM THLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT OAKEL
3. FAC 191.00 FAF FULLR INT/ 5.74 DME DIST FAF TO MAP 4.94 THLD 5.14
4. MIN. ALT OAKEL 4000, ALAME 2800, FULLR 1800
8. MSA FROM: SFO VOR/DME 050-180 4500, 180-300 3500, 300-050 5100

MAG VAR: 17E EPOCH YEAR:1975

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-19L	460	5000	450	460	5000	450	460	5500	450	460	5500	450			

NOTES:

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 5000 NOT AUTHORIZED
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY CAT A AND B
CHART NOTE: FOR INOPERATIVE MALSF INCREASE CAT C AND D VISIBILITY TO 1 3/8 MILE

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 13 THRE: 10	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	SFO	VOR RWY 19L, AMDT 10 08/22/2013	AMDT 9
				DATE 03/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SAU VORTAC (IAF)	NORMM INT/ 12.90 DME	191.00 / 9.17	3000
NORMM INT/ 12.90 DME (IF)	WESLA INT/ 5.74 DME	100.98 / 7.16 (SFO R-281)	1900

MISSED APPROACH

MAP: SFO VOR/DME

CLIMB TO 2100 ON SFO VOR/DME R-101 TO BRIJJ INT/SFO 6.13 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 280.98 INBOUND.
FAS OBST: 974 AAO 373806N/1222748W
CHART CIRCLING ICON
FAC ALIGNED PARALLEL TO AND BETWEEN RWY 10 L/R.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT NORMM
3. FAC 100.98 FAF WESLA INT/ 5.74 DME DIST FAF TO MAP ____ THLD ____
4. MIN. ALT NORMM 3000, WESLA 1900
8. MSA FROM: SFO VOR/DME 050-180 4500, 180-300 3500, 300-050 5100

MAG VAR: 17E EPOCH YEAR:1975

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	1240	1 1/4	1227	1240	1 1/2	1227	1560	3	1547		NA				

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAU VORTAC ON V150 NORTHEAST BOUND @ CAT A, B 1300-2, CAT C 1600-3
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED
CHART NOTE: CIRCLING NA TO RWYS 19L, 19R, 28L, AND 28R.
CHART NOTE: CIRCLING TO RWY 01L AND 01R NA AT NIGHT

QUALITY 4 CONTROL

CITY AND STATE	ELEVATION: 13 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
SAN FRANCISCO, CA	AIRPORT NAME: SAN FRANCISCO INTL	SFO	VOR-B, AMDT 7 08/22/2013	AMDT 6
				DATE 03/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WILLE/UNZ 98.00 DME	SN NDB	065.79 / 21.66	2800
HIRCH/UNZ 100.00 DME	SN NDB	348.04 / 19.55	2800

MISSED APPROACH

MAP: FIPMU/I-GSN 9.80 DME

CLIMB TO 1400 ON SN NDB BRG-216 THEN CLIMBING RIGHT TURN TO 2800 DIRECT SN NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 657 TREE 150224N/1453747E
FAC CROSSES MID POINT OF RWY 8/26.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE SN NDB, RT, 216.24 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC 216.24 FAF SN NDB DIST FAF TO MAP 8.00 THLD
4. MIN. ALT SN NDB 2800, UYHEW/I-GSN 6.53 DME 1060*
8. MSA FROM: SN NDB 2800

MAG VAR: 2E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: NA | X

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	1060	1	789	1060	1	789	1060	2 1/4	789	1060	2 1/2	789			
UYHEW FIX MINIMUMS															
CIRCLING	960	1	689	960	1	689	960	2	689	960	2 1/4	689			

NOTES:

CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE SAIPAN ALTIMETER SETTING AND INCREASE ALL MDA 40 FT, AND CIRCLING ALL CATS VISIBILITY 1/4 MILE.
*1100 WHEN USING SAIPAN ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 271 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
TINIAN ISLAND, CQ	AIRPORT NAME: TINIAN INTL	SN	NDB-A, AMDT 2 22 AUGUST 2013	AMDT 1C
				DATE 01/15/2009

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
HOLLYWOOD, FL	NORTH PERRY	22 AUGUST 2013	5

TAKEOFF MINIMUMS:

RWY 1R, 1L, 19R, 19L, 28R, 28L, STANDARD
RWY 10L/10R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1400 OR 1400-2 ½ FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 1R - CLIMB HEADING 006.34 TO 900 BEFORE TURNING RIGHT.
RWY 1L - CLIMB HEADING 006.33 TO 900 BEFORE TURNING RIGHT.
RWY 10R/10L - FOR CLIMB IN VISUAL CONDITIONS CROSS NORTH PERRY AIRPORT AT OR ABOVE 1400 BEFORE PROCEEDING ON COURSE, WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.
RWY 19R - CLIMB HEADING 186.35 TO 1300 BEFORE TURNING LEFT.
RWY 19L - CLIMB HEADING 186.33 TO 1300 BEFORE TURNING LEFT.
RWY 28R - CLIMB HEADING 276.35 TO 1000 BEFORE PROCEEDING ON COURSE.
RWY 28L - CLIMB HEADING 276.34 TO 1000 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1R, MULTIPLE TREES BEGINNING 54 FT FROM DER, 215 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/68 FT MSL. MULTIPLE TREES BEGINNING 1312 FT FROM DER, 85 FT LEFT OF CENTERLINE, UP TO 68 FT AGL/ 74 FT MSL. MULTIPLE POLES BEGINNING 50 FT FROM DER, 341 FT RIGHT OF CENTERLINE, UP TO 62 FT AGL/68 FT MSL. MULTIPLE POLES BEGINNING 979 FT FROM DER, 646 FT LEFT OF CENTERLINE, UP TO 49 FT AGL/55 FT MSL. SIGN 106 FT FROM DER, 342 FT RIGHT OF CENTERLINE, 7 FT AGL/13 FT MSL.
NOTE: RWY 1L, VEHICLES ON ROADWAY BEGINNING 45 FT FROM DER, 322 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/22 FT MSL. MULTIPLE TREES BEGINNING 169 FT FROM DER, 284 FT LEFT OF CENTERLINE, UP TO 31 FT AGL/39 FT MSL. MULTIPLE POLES BEGINNING 740 FT FROM DER, 376 FT LEFT OF CENTERLINE, UP TO 48 FT AGL/56 FT MSL. MULTIPLE BUILDINGS BEGINNING 163 FT FROM DER, 375 FT RIGHT OF CENTERLINE UP TO 36 FT AGL/43 FT MSL. MULTIPLE POLES BEGINNING 765 FT FROM DER, 386 FT RIGHT OF CENTERLINE, UP TO 48 FT AGL/55 FT MSL. MULTIPLE TREES BEGINNING 860 FT FROM DER, 2 FT LEFT OF CENTERLINE, UP TO 58 FT AGL/66 FT MSL. MULTIPLE TREES BEGINNING 886 FT FROM DER, 46 FT RIGHT OF CENTERLINE, UP TO 68 FT AGL/74 FT MSL. CRANE 3214 FT FROM DER, 762 FT LEFT OF CENTERLINE, 111 FT AGL/117 FT MSL. TOWER 3233 FT FROM DER, 1264 FT LEFT OF CENTERLINE, UP TO 150 FT AGL/158 FT MSL.
NOTE: RWY 10R, POLE 168 FT FROM DER, 543 FT RIGHT OF CENTERLINE, 31 FT AGL/38 FT MSL. BUILDINGS BEGINNING 541 FT FROM DER, 377 RIGHT OF CENTERLINE, UP TO 25 FT AGL/33 FT MSL. MULTIPLE TREES BEGINNING 649 FT FROM DER, 20 FT RIGHT OF CENTERLINE, UP TO 77 FT AGL/85 FT MSL. MULTIPLE POLES BEGINNING 168 FT FROM DER, 543 FT LEFT OF CENTERLINE, UP TO 62 FT AGL/70 FT MSL. MULTIPLE TREES BEGINNING 847 FT FROM DER, 152 FT LEFT OF CENTERLINE, UP TO 76 FT AGL/84 FT MSL.
NOTE: RWY 10L, FENCE 113 FT FROM DER, 325 FT LEFT OF CENTERLINE, 8 FT AGL/14 FT MSL. MULTIPLE TREES BEGINNING 272 FT FROM DER, 359 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/46 FT MSL. MULTIPLE POLES BEGINNING 660 FT FROM DER, 515 FT RIGHT OF CENTERLINE, UP TO 61 FT AGL/69 FT MSL. MULTIPLE TREES BEGINNING 1124 FT FROM DER, 67 FT RIGHT OF CENTERLINE, UP TO 77 FT AGL/84 FT MSL. POLE 1085 FT FROM DER, 450 FT LEFT OF CENTERLINE, 40 FT AGL/47 FT MSL. MULTIPLE TREES BEGINNING 1100 FT FROM DER, 44 FT LEFT OF CENTERLINE, UP TO 72 FT AGL/80 FT MSL. TOWER 1.2 NM FROM DER, 2371 FT LEFT OF CENTERLINE, 194 FT AGL/204 FT MSL.
NOTE: RWY 19L, VEHICLES ON ROADWAY 174 FT FROM DER, 222 FT RIGHT OF CENTERLINE, UP TO 15 AGL/22 FT MSL. MULTIPLE TREES BEGINNING 217 FT FROM DER, 35 FT RIGHT OF CENTERLINE, UP TO 78 FT AGL/85 FT MSL. MULTIPLE TREES BEGINNING 369 FT FROM DER, 20 FT LEFT OF CENTERLINE, UP TO 75 FT AGL/82 FT MSL. BUILDING 288 FT FROM DER, 448 FT RIGHT OF CENTERLINE, 15 FT AGL/23 FT MSL. MULTIPLE BUILDINGS BEGINNING 459 FT FROM DER, 478 FT LEFT OF CENTERLINE, UP TO 25 FT AGL/32 FT MSL. MULTIPLE POLES BEGINNING 521 FT FROM DER, 29 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/46 FT MSL. MULTIPLE POLES BEGINNING 848 FT FROM DER, 99 FT RIGHT OF CENTERLINE, UP TO 35 FT AGL/41 FT MSL.
NOTE: RWY 19R, MULTIPLE POLES BEGINNING 843 FT FROM DER, 35 FT RIGHT OF CENTERLINE, UP TO 36 FT AGL/43 FT MSL. MULTIPLE POLES BEGINNING 1070 FT FROM DER, 49 FT LEFT OF CENTERLINE, UP TO 36 FT AGL/43 FT MSL. MULTIPLE TREES BEGINNING 962 FT FROM DER, 24 FT RIGHT OF CENTERLINE, UP TO 68 FT AGL/76 FT MSL. MULTIPLE TREES BEGINNING 1169 FT FROM DER, 165 FT LEFT OF CENTERLINE, UP TO 78 FT AGL/85 FT MSL. TOWER 1335 FT FROM DER, 211 FT LEFT OF CENTERLINE, 68 FT AGL/74 FT MSL.
NOTE: RWY 28L, TOWER 911 FT FROM DER, 605 FT RIGHT OF CENTERLINE, 55 FT AGL/61 FT MSL. MULTIPLE POLES BEGINNING 978 FT FROM DER, 39 FT RIGHT OF CENTERLINE, UP TO 72 FT AGL/80 FT MSL. MULTIPLE POLES BEGINNING 1115 FT FROM DER, 49 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/48 FT MSL. MULTIPLE TREES BEGINNING 1259 FT FROM DER, 309 FT LEFT OF CENTERLINE, UP TO 82 FT AGL/90 FT MSL. MULTIPLE TREES BEGINNING 1309 FT FROM DER, 391 FT RIGHT OF CENTERLINE, UP TO 104 FT AGL/112 FT MSL. BUILDING 1626 FT FROM DER, 29 FT LEFT OF CENTERLINE, 60 FT AGL/69 FT MSL. MULTIPLE BUILDINGS BEGINNING 1996 FT FROM DER, 22 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/67 FT MSL.
NOTE: RWY 28R, MULTIPLE TREES BEGINNING 15 FT FROM DER, 28 FT LEFT OF CENTERLINE, UP TO 105 FT AGL/112 FT MSL. MULTIPLE TREES BEGINNING 17 FT FROM DER, 116 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/90 FT MSL. MULTIPLE POLES BEGINNING 687 FT FROM DER, 38 FT LEFT OF CENTERLINE, UP TO 59 FT AGL/65 FT MSL. MULTIPLE POLES BEGINNING 965 FT FROM DER, 65 FT RIGHT OF CENTERLINE, UP TO 39 FT AGL/47 FT MSL. BUILDING 1804 FT FROM DER, 981 FT LEFT OF CENTERLINE, 50 FT AGL/59FT MSL.

CONTROLLING OBSTACLES:

RWY 10L/10R: 1030 FT MSL TOWER 255910.00N/0801136.30W

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT:
RWY 1R, 1L, 19R, 19L, 28R, 28L - 1049 FT MSL TOWER 255808.00N/0801319.00W

VCOA: 1049 FT MSL TOWER 255808.00N/0801319.00W

QUALITY CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
HOLLYWOOD, FL	NORTH PERRY	22 AUGUST 2013	5

REMARKS:

FLIGHT INSPECTED BY:

Edward W. Mesa 6/20/13

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

STEVEN SZUKALA (SAMER MASSARUEH) AJV-351 03/28/2013

APPROVED BY:

SUSAN L CRUMB AJV-352 JUL 01 2013

COORDINATED WITH:

ZMA, MIA APP CON, ATA, ALPA, AOPA, NBAA, AMGR

CHANGES:

1. INCREASED RUNWAYS 01L/01R FROM 800 TO 900.
2. INCREASED RUNWAYS 28L/28R FROM 800 TO 1000.

REASONS:

1, 2. DIVERSE B PENETRATIONS REQUIRE HIGHER CLIMB TO ALTITUDE.

QUALITY CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GEF VORTAC	YICUL (FB)	343.45 / 10.13	2000
WUBSU	JEXER (FB)	205.52 / 7.90	2000
JEXER (IAF)	HOSOG (NOPT) (FB)	179.05 / 8.53	2000
YICUL (IAF)	HOSOG (NOPT) (FB)	025.22 / 6.93	2000
HOSOG (IF/IAF)	UMRAW (FB)	098.58 / 6.04	1800
UMRAW (FAF)	RW10 (MAP) (FO)	098.64 / 4.92	
RW10 (MAP)	585 MSL	098.64	
585 MSL	CUGIN (FO)		2000

MISSED APPROACH

LP: RW10
LNAV: RW10

CLIMB TO 2000 DIRECT CUGIN AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 278.81 INBOUND.
CHART FAS OBST: 511 TOWER 304801N/0833701W
FAS OBST: 449 AAO 304842N/0834010W
WAAS CHANNEL # 42734
REFERENCE PATH ID: W10A
LTP HAE: 26.2 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W HOSOG, RT, 098.58 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 098.64 FAF: UMRAW DIST FAF TO MAP: 4.92 THLD: 4.92
4. MIN. ALT: HOSOG 2000, UMRAW 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW10 3300

MAG VAR: 5W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	740	1	563	740	1	563	740	1 5/8	563		NA				
LNAV MDA	820	1	643	820	1	643	820	1 7/8	643		NA				
CIRCLING	860	1	675	860	1	675	920	2	735		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON GEF VORTAC AIRWAY RADIALS 270 CW 337.
CHART NOTE: PROCEDURE NA AT NIGHT

(SEE FORM 8260-10)

4

CITY AND STATE	ELEVATION: 185 THRE: 177 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
QUITMAN, GA	QUITMAN BROOKS COUNTY	RNAV	RNAV (GPS) RWY 10, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 01/13/2011

NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.

CHART NOTE: USE VALDOSTA ALTIMETER SETTING; WHEN NOT RECEIVED, USE THOMASVILLE ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET; INCREASE LP CAT C VISIBILITY 1/8 MILE AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART PROFILE NOTE: DESCENT ANGLE NA.

QUALITY A CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	4J5
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	304820.2600N
LTP/FTP LONGITUDE	0833549.2400W
LTP/FTP ELLIPSOIDAL HEIGHT	+00262
FPAP LATITUDE	304814.5000N
FPAP LONGITUDE	0833406.0000W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	95C4CEE4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00540
FPAP ORTHOMETRIC HEIGHT	+00540

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        GEF   K7010900VTL  N30330483W083465928    N30330483W083465928E0010002201     NARGREENVILLE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CUGIN K70    W     N30473367W083220598                      W0050     NAR          CUGIN
        SUSAEAENRT   HOSOG K70    W     N30490206W083483133                      W0047     NAR          HOSOG
        SUSAEAENRT   JEXER K70    C     N30573217W083493291                      W0047     NAR          JEXER
        SUSAEAENRT   UMRAW K70    W     N30483919W083413152                      W0048     NAR          UMRAW
        SUSAEAENRT   WUBSU K70    C   L N31045689W083461973                      W0048     NAR          WUBSU
        SUSAEAENRT   YICUL K70    W     N30423115W083511815                      W0047     NAR          YICUL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 4J5 K7A4J5     0     050YHN30481866W083352064W005000185         1800018000C    MNAR    QUITMAN BROOKS COUNTY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 4J5 K7FR10   AGEF   010GEF  K7D 0V       IF                                                  18000                A JS
        SUSAP 4J5 K7FR10   AGEF   020YICULK7EA0E  A 020TF                      34350101    + 02000                              A JS
        SUSAP 4J5 K7FR10   AGEF   030HOSOGK7EA0EE B 010TF                      17910085    + 02000                              A JS
        SUSAP 4J5 K7FR10   AHOSOG 010HOSOGK7EA0EE AR   HF                     09860040    + 02000    18000                     A JS
        SUSAP 4J5 K7FR10   AWUBSU 010WUBSUK7EA0E       IF                                          18000                     A JS
        SUSAP 4J5 K7FR10   AWUBSU 020JEXERK7EA0E  A 020TF                      20550079    + 02000                              A JS
        SUSAP 4J5 K7FR10   AWUBSU 030HOSOGK7EA0EE B 010TF                      02520069    + 02000                              A JS
        SUSAP 4J5 K7FR10   R      010HOSOGK7EA0E  I    IF                                  + 02000    18000                     A JS
        SUSAP 4J5 K7FR10   R      020UMRAWK7EA1E  F 051TF                      09860060    + 01800               RW10  K7PGA JS
        SUSAP 4J5 K7FR10   R      020UMRAWK7EA2WALP        N          ALNAV                                                    JS
        SUSAP 4J5 K7FR10   R      030RW10 K7PG0GY M 031TF                      09860049      00820          000               A JS
        SUSAP 4J5 K7FR10   R      040          0  M     CA                     0986        + 00585                              A JS
        SUSAP 4J5 K7FR10   R      050CUGINK7EA0EY      DF                                  + 02000                              A JS
        SUSAP 4J5 K7FR10   R      060CUGINK7EA0EE  R   HM                     27880040    + 02000                              A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 4J5 K7GRW10    0050000987 N30482026W083354924+0200    +0026200177000000076R
```

CITY AND STATE	ELEVATION: 185 THRE: 177	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
QUITMAN, GA	AIRPORT NAME: **QUITMAN BROOKS COUNTY**	**RNAV**	**RNAV (GPS) RWY 10, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **01/13/2011**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP 4J5 K7PR10   RW10 001 0000W10A0N3048202600W08335492400+002620000N3048145000W083340600001067512240000000F40000095C4CEE4
        SUSAP 4J5 K7PR10   RW10 002E      +00540+00540LP        42734

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP 4J5 K7SRW10 K7PG              0   18018003325                                                                  M
```

CITY AND STATE	ELEVATION: 185 THRE: 177	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
QUITMAN, GA	AIRPORT NAME: QUITMAN BROOKS COUNTY	RNAV	RNAV (GPS) RWY 10, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 01/13/2011

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GEF	GEF	010		IF		FB					
	GEF	YICUL	020	IAF	TF		FB	2.0	343.5(338.5T)	010.1	AA 02000	
	GEF	HOSOG	030		TF		FB	1.0	179.1(174.1T)	008.5	AA 02000	
	HOSOG	HOSOG	010	IAF	HF	R	FO		098.6(093.6T)	004.0	AA 02000	
	WUBSU	WUBSU	010		IF		FB					
	WUBSU	JEXER	020	IAF	TF		FB	2.0	205.5(200.5T)	007.9	AA 02000	
	WUBSU	HOSOG	030		TF		FB	1.0	025.2(020.2T)	006.9	AA 02000	
		HOSOG	010	FACF	IF		FB				AA 02000	
		UMRAW	020	FAF	TF		FB	0.5	098.6(093.6T)	006.0	AA 01800	
		RW10	030	MAP	TF		FO	0.3	098.6(093.6T)	004.9	AT 00820	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		098.6(093.6T)		AA 00585	
	CUGIN	050		DF		FO				AA 02000	
	CUGIN	060		HM	R	FO		278.8(273.8T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GEF	N303304.83	W0834659.28	N3033.081	W08346.988
	CUGIN	N304733.67	W0832205.98	N3047.561	W08322.100
	HOSOG	N304902.06	W0834831.33	N3049.034	W08348.522
	JEXER	N305732.17	W0834932.91	N3057.536	W08349.549
	UMRAW	N304839.19	W0834131.52	N3048.653	W08341.525
	WUBSU	N310456.89	W0834619.73	N3104.948	W08346.329
	YICUL	N304231.15	W0835118.15	N3042.519	W08351.303
	RW10	N304820.26	W0833549.24	N3048.338	W08335.821

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	00177	00

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JOGOS (IAF)	CUGIN (NOPT) (FB)	190.17 / 11.95	2000
OTK VOR/DME (IAF)	CUGIN (NOPT) (FB)	284.11 / 4.64	2000
CUGIN (IF/IAF)	ODEVE (FB)	278.81 / 6.12	1800
ODEVE (FAF)	KUKME/2.60 NM TO RW28 (FB)	278.75 / 2.30	
KUKME/2.60 NM TO RW28	RW28 (MAP) (FO)	278.75 / 2.60	
RW28 (MAP)	585 MSL	278.75	
585 MSL	HOSOG (FO)		2000

MISSED APPROACH

LP: RW28
LNAV: RW28

CLIMB TO 2000 DIRECT HOSOG AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E CUGIN, RT, 278.81 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 278.75 FAF: ODEVE DIST FAF TO MAP: 4.90 THLD: 4.90
4. MIN. ALT: CUGIN 2000, ODEVE 1800, KUKME/2.60 NM TO RW28 1060
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW28 3300

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 098.58 INBOUND.
CHART FAS OBST: 505 TOWER 304745N/0833256W
CHART FAS OBST: 309 TREE 304826N/0833349W
CHART 693 TOWER 304838N/0833119W.
WAAS CHANNEL # 99534
REFERENCE PATH ID: W28A
LTP HAE: 28.5 M

MAG VAR: 5W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	600	1	415	600	1	415	600	1 1/8	415		NA				
LNAV MDA	860	1	675	850	1	675	860	1 7/8	675		NA				
CIRCLING	860	1	675	860	1	675	920	2	735		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: USE VALDOSTA ALTIMETER SETTING; WHEN NOT RECEIVED, USE THOMASVILLE ALTIMETER SETTING (SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 185 THRE: 185 AIRPORT NAME:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
QUITMAN, GA	QUITMAN BROOKS COUNTY		RNAV (GPS) RWY 28, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 01/13/2011

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
AND INCREASE ALL MDA 20 FEET; INCREASE LP AND LNAV CAT C VISIBILITY 1/8 MILE AND INCREASE CIRCLING CAT C 1/4 MILE.
CHART NOTE: DESCENT ANGLE NA.

QUALITY 4

CITY AND STATE	ELEVATION: 185 THRE: 185	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
QUITMAN, GA	AIRPORT NAME: **QUITMAN BROOKS COUNTY**	**RNAV**	**RNAV (GPS) RWY 28, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **01/13/2011**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	4J5
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	304817.0680N
LTP/FTP LONGITUDE	0833452.0400W
LTP/FTP ELLIPSOIDAL HEIGHT	+00285
FPAP LATITUDE	304822.8200N
FPAP LONGITUDE	0833635.2800W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	B9604E9B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00563
FPAP ORTHOMETRIC HEIGHT	+00563

QUALITY 4 CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        OTK   K7011480VDH  N30464960W083164702    N30464960W083164702W0020001992     NARVALDOSTA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CUGIN K70    W     N30473367W083220598                    W0050     NAR          CUGIN
        SUSAEAENRT   HOSOG K70    W     N30490206W083483133                    W0047     NAR          HOSOG
        SUSAEAENRT   JOGOS K70    C   L N30592939W083205101                    W0051     NAR          JOGOS
        SUSAEAENRT   KUKME K70    W     N30480694W083315128                    W0049     NAR          KUKME
        SUSAEAENRT   ODEVE K70    W     N30475793W083291144                    W0050     NAR          ODEVE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 4J5 K7A4J5     0     050YHN30481866W083352064W005000185         1800018000C    MNAR    QUITMAN BROOKS COUNTY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 4J5 K7FR28   ACUGIN 010CUGINK7EA0EE AR   HF                    27880040    + 02000     18000                A JS
        SUSAP 4J5 K7FR28   AJOGOS 010JOGOSK7EA0E  A    IF                                        18000                A JS
        SUSAP 4J5 K7FR28   AJOGOS 020CUGINK7EA0EE B 010TF                     19020120    + 02000                          A JS
        SUSAP 4J5 K7FR28   AOTK   010OTK  K7D 0V  A    IF                                        18000                A JS
        SUSAP 4J5 K7FR28   AOTK   020CUGINK7EA0EE B 010TF                     28410046    + 02000                          A JS
        SUSAP 4J5 K7FR28   R      010CUGINK7EA0E  I    IF                                  + 02000     18000                A JS
        SUSAP 4J5 K7FR28   R      020ODEVEK7EA1E  F 051TF                     27880061    + 01800                RW28  K7PGA JS
        SUSAP 4J5 K7FR28   R      020ODEVEK7EA2WALP       N          ALNAV                                                JS
        SUSAP 4J5 K7FR28   R      021KUKMEK7EA0E S  031TF                     27880023    + 01060                          A JS
        SUSAP 4J5 K7FR28   R      030RW28 K7PG0GY M 031TF                     27880026      00860              000         A JS
        SUSAP 4J5 K7FR28   R      040         0  M     CA                     2788        + 00585                          A JS
        SUSAP 4J5 K7FR28   R      050HOSOGK7EA0EY       DF                                  + 02000                          A JS
        SUSAP 4J5 K7FR28   R      060HOSOGK7EA0EE  R   HM                     09860040    + 02000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 4J5 K7GRW28    0050002787 N30481707W083345204-0200    +0028500185000000076R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
```

CITY AND STATE	ELEVATION: 185 THRE: 185	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
QUITMAN, GA	AIRPORT NAME: **QUITMAN BROOKS COUNTY**	**RNAV**	**RNAV (GPS) RWY 28, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **01/13/2011**

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```
SUSAP 4J5 K7PR28   RW28 001 0000W28A0N3048170680W08334520400+002850000N3048228200W0833635280010675122400000F400000B9604E9B
SUSAP 4J5 K7PR28   RW28 002E      +00563+00563LP        99534

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 4J5 K7SRW28 K7PG              0   18018003325                                                                  M
```

CITY AND STATE	ELEVATION: 185 THRE: 185	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
QUITMAN, GA	AIRPORT NAME: QUITMAN BROOKS COUNTY	RNAV	RNAV (GPS) RWY 28, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 01/13/2011

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CUGIN	CUGIN	010	IAF	HF	R	FO		278.8(273.8T)	004.0	AA 02000	
	JOGOS	JOGOS	010	IAF	IF		FB					
	JOGOS	CUGIN	020		TF		FB	1.0	190.2(185.2T)	012.0	AA 02000	
	OTK	OTK	010	IAF	IF		FB					
	OTK	CUGIN	020		TF		FB	1.0	284.1(279.1T)	004.6	AA 02000	
		CUGIN	010	FACF	IF		FB				AA 02000	
		ODEVE	020	FAF	TF		FB	0.5	278.8(273.8T)	006.1	AA 01800	
		KUKME	021	SDF	TF		FB	0.3	278.8(273.8T)	002.3	AA 01060	
		RW28	030	MAP	TF		FO	0.3	278.8(273.8T)	002.6	AT 00860	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		278.8(273.8T)		AA 00585	
	HOSOG	050		DF		FO				AA 02000	
	HOSOG	060		HM	R	FO		098.6(093.6T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OTK	N304649.60	W0831647.02	N3046.827	W08316.784
	CUGIN	N304733.67	W0832205.98	N3047.561	W08322.100
	HOSOG	N304902.06	W0834831.33	N3049.034	W08348.522
	JOGOS	N305929.39	W0832051.01	N3059.490	W08320.850
	KUKME	N304806.94	W0833151.28	N3048.116	W08331.855
	ODEVE	N304757.93	W0832911.44	N3047.966	W08329.191
	RW28	N304817.07	W0833452.04	N3048.285	W08334.867

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00185	00



CITY AND STATE	ELEVATION: 185 THRE: 185 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
QUITMAN, GA	QUITMAN BROOKS COUNTY	RNAV	RNAV (GPS) RWY 28, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 01/13/2011

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WIVEV (IF/IAF)	CEPUX (FB)	126.67 / 6.00	2600
CEPUX (FAF)	WUZGA/2.20 NM TO RW13 (FB)	126.74 / 2.86	
WUZGA/2.20 NM TO RW13	RW13 (MAP) (FO)	126.74 / 2.20	
RW13 (MAP)	1262 MSL	126.74	
1262 MSL	KIGIQ (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

CLIMB TO 3000 DIRECT KIGIQ AND HOLD.

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW WIVEV, RT, 126.67 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 126.74 FAF: CEPUX DIST FAF TO MAP: 5.06 THLD: 5.06
4. MIN. ALT: WIVEV 3000, CEPUX 2600, WUZGA/2.20 NM TO RW13 1880*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2600 GS ALT AT: CEPUX 2600 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 30.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 306.93 INBOUND.
CHART FAS OBST: 1069 TREE 405939N/0924647W
CHART 1098 TOWER 410132N/0924836W.
DISTANCE TO THLD FROM 304 HATH: 0.86 NM.
WAAS CHANNEL # 50533
REFERENCE PATH ID: W13A
CHART CIRCLING ICON.
LTP HAE: 259.9 M
CHART OTTUMWA ASOS-3

MAG VAR: 2E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A [X]

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1262	1	304	1262	1	304		NA			NA				
LNAV/VNAV DA	1285	1 1/8	327	1285	1 1/8	327		NA			NA				
LNAV MDA	1380	1	422	1380	1	422		NA			NA				
CIRCLING	1440	1	476	1760	1	796		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
CHART NOTE: USE OTTUMWA ALTIMETER SETTING, WHEN NOT RECEIVED USE CENTERVILLE ALTIMETER SETTING.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: BARO-VNAV NA.

CITY AND STATE	ELEVATION: 964 THRE: 958 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ALBIA, IA	ALBIA MUNI	RNAV	RNAV (GPS) RWY 13, ORIG 22 AUGUST 2013	AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TAA

	FROM	TO	ALT
1.	037/30 CW 217/30 (NOPT)	WIVEV (IF/IAF) (FB)	3000
2.	217/30 CW 037/30	WIVEV (IAF) (FO)	3000

CITY AND STATE	ELEVATION: 964 THRE: 958	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ALBIA, IA	AIRPORT NAME: ALBIA MUNI	RNAV	RNAV (GPS) RWY 13, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	4C8
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	405957.0775N
LTP/FTP LONGITUDE	0924613.7575W
LTP/FTP ELLIPSOIDAL HEIGHT	+02599
FPAP LATITUDE	405901.2045N
FPAP LONGITUDE	0924442.0700W
THRESHOLD CROSSING HEIGHT (TCH)	00030.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1712
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	6FABEDBA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02921
FPAP ORTHOMETRIC HEIGHT	+02921

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   CEPUX K30    W     N41030735W092512657                    E0006     NAR           CEPUX
         SUSAEAENRT   KIGIQ K30    W     N40523997W092341839                    E0004     NAR           KIGIQ
         SUSAEAENRT   WIVEV K30    W     N41065260W092573807                    E0007     NAR           WIVEV
         SUSAEAENRT   WUZGA K30    W     N41011982W092482967                    E0005     NAR           WUZGA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP 4C8 K3A4C8     0      033YHN40594660W092455650E002000964          1800018000C    MNAR    ALBIA MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP 4C8 K3FR13    AWIVEV 010WIVEVK3EA0EE AR   HF                     12670040    + 03000     18000                A JS
         SUSAP 4C8 K3FR13    R      010WIVEVK3EA0E  I    IF                                 + 0300C     18000                A JS
         SUSAP 4C8 K3FR13    R      020CEPUXK3EA1E  F 051TF                     12670060    + 0260C                          A JS
         SUSAP 4C8 K3FR13    R      020CEPUXK3EA2WALPV       ALNAV/VNAV ALNAV                                               JS
         SUSAP 4C8 K3FR13    R      021WUZGAK3EA0E S  031TF                     12670029    V 0168C01689        -300       A JS
         SUSAP 4C8 K3FR13    R      030RW13 K3PG0GY M 031TF                     12670022      00988             -300       A JS
         SUSAP 4C8 K3FR13    R      040          0  M     CA                    1267        + 01262                          A JS
         SUSAP 4C8 K3FR13    R      050KIGIQK3EA0EY       DF                               + 03000                          A JS
         SUSAP 4C8 K3FR13    R      060KIGIQK3EA0EE  R    HM                    30690040    + 03000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP 4C8 K3GRW13     0033981268 N40595708W092461376+0200     +02599009580000300 60R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP 4C8 K3PR13    RW13 001 0000W13A0N4059570775W09246137575+025990300N4059012045W092444207001067517120003 00F4005006FABEDBA
         SUSAP 4C8 K3PR13    RW13 002E       +02921+02921LPV       50533
```

CITY AND STATE	ELEVATION: 964 THRE: 958	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALBIA, IA	AIRPORT NAME: ALBIA MUNI	RNAV	RNAV (GPS) RWY 13, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	WIVEV	WIVEV	010	IAF	HF	R	FO		126.7(128.7T)	004.0	AA 03000	
		WIVEV	010	FACF	IF		FB				AA 03000	
		CEPUX	020	FAF	TF		FB	0.5	126.7(128.7T)	006.0	AA 02600	
		WUZGA	021	SDF	TF		FB	0.3	126.7(128.7T)	002.9	AA 01680 GS 01689	
		RW13	030	MAP	TF		FO	0.3	126.7(128.7T)	002.2	AT 00988	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		126.7(128.7T)		AA 01262	
	KIGIQ	050		DF		FO				AA 03000	
	KIGIQ	060		HM	R	FO		306.9(308.9T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEPUX	N410307.35	W0925126.57	N4103.123	W09251.443
	KIGIQ	N405239.97	W0923418.39	N4052.666	W09234.307
	WIVEV	N410652.60	W0925738.07	N4106.877	W09257.635
	WUZGA	N410119.82	W0924829.67	N4101.330	W09248.495
	RW13	N405957.08	W0924613.76	N4059.951	W09246.229

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	00958	30

CITY AND STATE	ELEVATION: **964** THRE: **958**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALBIA, IA	AIRPORT NAME: **ALBIA MUNI**	**RNAV**	**RNAV (GPS) RWY 13, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
KIGIQ (IF/IAF)	UJUSU (FB)	306.93 / 6.03	2600
UJUSU (FAF)	ZILTU/1.60 NM TO RW31 (FB)	306.86 / 3.41	
ZILTU/1.60 NM TO RW31	RW31 (MAP) (FO)	306.86 / 1.60	
RW31 (MAP)	1267 MSL	306.86	
1267 MSL	WIVEV (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 3000 DIRECT WIVEV AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 126.67 INBOUND.
CHART FAS OBST: 1059 TREE 405909N/0924431W
DISTANCE TO THLD FROM 304 HATH: 0.83 NM.
WAAS CHANNEL # 66033
REFERENCE PATH ID: W31A
CHART CIRCLING ICON.
LTP HAE: 261.4 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE KIGIQ, RT, 306.93 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 306.86 FAF: UJUSU DIST FAF TO MAP: 5.01 THLD: 5.01
4. MIN. ALT: KIGIQ 3000, UJUSU 2600, ZILTU/1.60 NM TO RW31 1500*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2600 GS ALT AT: UJUSU 2600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 2E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1267	1	304	1267	1	304		NA			NA				
LNAV/VNAV DA	1313	1 1/8	350	1313	1 1/8	350		NA			NA				
LNAV MDA	1380	1	417	1380	1	417		NA			NA				
CIRCLING	1440	1	476	1760	1	796		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
CHART NOTE: USE OTTUMWA ALTIMETER SETTING, WHEN NOT RECEIVED USE CENTERVILLE ALTIMETER SETTING.
(SEE FORM 8260-10)

QUALITY

CITY AND STATE	ELEVATION: 964 THRE: 963 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ALBIA, IA	ALBIA MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 06/13/2002

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: BARO-VNAV NA.

TAA

	FROM	TO	ALT
1.	217/30 CW 037/30 (NOPT)	217/15 CW 037/15	3100
	217/15 CW 037/15	KIGIQ (IF/IAF) (FB)	3000
	037/30 CW 217/30	KIGIQ (IF/IAF) (FO)	3000

CITY AND STATE	ELEVATION: 964 THRE: 963	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ALBIA, IA	AIRPORT NAME: ALBIA MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 06/13/2002

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	4C8
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	405936.0435N
LTP/FTP LONGITUDE	0924539.2160W
LTP/FTP ELLIPSOIDAL HEIGHT	+02614
FPAP LATITUDE	410031.8975N
FPAP LONGITUDE	0924710.9380W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1712
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	5D75734E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02936
FPAP ORTHOMETRIC HEIGHT	+02936

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   KIGIQ K30    W     N40523997W092341839                    E0004    NAR          KIGIQ
        SUSAEAENRT   UJUSU K30    W     N40562733W092402988                    E0004    NAR          UJUSU
        SUSAEAENRT   WIVEV K30    W     N41065260W092573807                    E0007    NAR          WIVEV
        SUSAEAENRT   ZILTU K30    W     N40583584W092440044                    E0005    NAR          ZILTU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 4C8 K3A4C8     0     033YHN40594660W092455650E002000964          18000C    MNAR    ALBIA MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 4C8 K3FR31   AKIGIQ 010KIGIQK3EA0EE AR   HF                    30690040    + 03000     18000                A JS
        SUSAP 4C8 K3FR31   R      010KIGIQK3EA0E  I    IF                                + 03000     18000                A JS
        SUSAP 4C8 K3FR31   R      020UJUSUK3EA1E  F 051TF                    30690060    + 02600                          A JS
        SUSAP 4C8 K3FR31   R      020UJUSUK3EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP 4C8 K3FR31   R      021ZILTUK3EA0E S  031TF                    30690034    V 0150001513        -300         A JS
        SUSAP 4C8 K3FR31   R      030RW31 K3PG0GY M 031TF                    30690016      01003             -300         A JS
        SUSAP 4C8 K3FR31   R      040          0  M     CA                   3069        + 01267                          A JS
        SUSAP 4C8 K3FR31   R      050WIVEVK3EA0EY       DF                              + 03000                          A JS
        SUSAP 4C8 K3FR31   R      060WIVEVK3EA0EE  R    HM                   12670040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 4C8 K3GRW31    0033983068 N40593604W092453922-0200    +026140096300004006OR

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 4C8 K3PR31   RW31 001 0000W31A0N4059360435W09245392160+026140300N4100318975W092471C9380106751712000400F4005005D75734E
        SUSAP 4C8 K3PR31   RW31 002E      +02936+02936LPV       66033
```

CITY AND STATE	ELEVATION: 964 THRE: 963	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALBIA, IA	AIRPORT NAME: ALBIA MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 06/13/2002

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	KIGIQ	KIGIQ	010	IAF	HF	R	FO		306.9(308.9T)	004.0	AA 03000	
		KIGIQ	010	FACF	IF		FB				AA 03000	
		UJUSU	020	FAF	TF		FB	0.5	306.9(308.9T)	006.0	AA 02600	
		ZILTU	021	SDF	TF		FB	0.3	306.9(308.9T)	003.4	AA 01500 GS 01513	
		RW31	030	MAP	TF		FO	0.3	306.9(308.9T)	001.6	AT 01003	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		306.9(308.9T)		AA 01267	
	WIVEV	050		DF		FO				AA 03000	
	WIVEV	060		HM	R	FO		126.7(128.7T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	KIGIQ	N405239.97	W0923418.39	N4052.666	W09234.307
	UJUSU	N405627.33	W0924029.88	N4056.456	W09240.498
	WIVEV	N410652.60	W0925738.07	N4106.877	W09257.635
	ZILTU	N405835.84	W0924400.44	N4058.597	W09244.007
	RW31	N405936.04	W0924539.22	N4059.601	W09245.654

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	00963	40

CITY AND STATE	ELEVATION: 964 THRE: 963 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALBIA, IA	ALBIA MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 06/13/2002

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TIDMY (IF/IAF)	KIVCO (FB)	133.24 / 6.10	3000
KIVCO (FAF)	EFJAG/2.00 NM TO RW13 (FB)	133.31 / 3.74	
EFJAG/2.00 NM TO RW13	RW13 (MAP) (FO)	133.31 / 2.00	
RW13 (MAP)	1532 MSL	133.31	
1532 MSL	SAYQU (FO)		3000

MISSED APPROACH

LNAV: RW13

CLIMB TO 3000 DIRECT SAYQU AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 313.50 INBOUND.
CHART FAS OBST: 1259 TREE 424330N/0935517W
1369 AAO 424639N/0940015W.
KIVCO TO RW13: 3.00/40.
CHART CIRCLING ICON.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW TIDMY, RT, 133.24 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 133.31 FAF: KIVCO DIST FAF TO MAP: 5.74 THLD: 5.74
4. MIN. ALT: TIDMY 3000, KIVCO 3000, EFJAG/2.00 NM TO RW13 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 3E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A | X |

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1540	1	409	1540	1	409		NA			NA				
CIRCLING	1660	1	528	1660	1	528		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: USE CLARION ALTIMETER SETTING, WHEN NOT RECEIVED, USE FORT DODGE ALTIMETER SETTING AND INCREASE ALL MDA 20 FT.
CHART NOTE: RWY 13 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CITY AND STATE	ELEVATION: 1132 THRE: 1131 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
EAGLE GROVE, IA	EAGLE GROVE MUNI	RNAV	RNAV (GPS) RWY 13, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 02/11/2010

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TAA

	FROM	TO	ALT
1.	043/30 CW 097/30 (NOPT)	043/10 CW 097/10	3400
2.	043/10 CW 097/10	TIDMY (IF/IAF) (FB)	3000
3.	097/30 CW 223/30 (NOPT)	TIDMY (IF/IAF) (FB)	3000
4.	223/30 CW 043/30	TIDMY (IF/IAF) (FO)	3000

CITY AND STATE	ELEVATION: 1132 THRE: 1131 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EAGLE GROVE, IA	EAGLE GROVE MUNI	RNAV	RNAV (GPS) RWY 13, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 02/11/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated; except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EFJAG K30    W     N42441494W093570704                      E0013     NAR          EFJAG
        SUSAEAENRT   KIVCO K30    W     N42465745W094003758                      E0013     NAR          KIVCO
        SUSAEAENRT   SAYQU K30    W     N42334848W093433968                      E0011     NAR          SAYQU
        SUSAEAENRT   TIDMY K30    W     N42512187W094062111                      E0014     NAR          TIDMY

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEAGK3AEAG     0     035YHN42423570W093545800E003001132         1800018000C    MNAR    EAGLE GROVE MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEAGK3FR13   ATIDMY 010TIDMYK3EA0EE AR   HF                  13320040    + 03000     18000                B JS
        SUSAP KEAGK3FR13   R       010TIDMYK3EA0E  I    IF                                + 03000     18000                B JS
        SUSAP KEAGK3FR13   R       020KIVCOK3EA1E  F 051TF                  13320061    + 03000                          B JS
        SUSAP KEAGK3FR13   R       020KIVCOK3EA2WN          N          ALNAV                                             JS
        SUSAP KEAGK3FR13   R       021EFJAGK3EA0E S  031TF                  13330037    V 0180001808         -300        B JS
        SUSAP KEAGK3FR13   R       030RW13 K3PG0GY M 031TF                  13330020      01171              -300        B JS
        SUSAP KEAGK3FR13   R       040         0  M     CA                  1333        + 01532                          B JS
        SUSAP KEAGK3FR13   R       050SAYQUK3EA0EY       DF                            + 03000                          B JS
        SUSAP KEAGK3FR13   R       060SAYQUK3EA0EE  R    HM                  31350040    + 03000                          B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEAGK3GRW13    0035001334 N42424807W093551468-0100    +031650113101194006OR
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1132 THRE: 1131	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
EAGLE GROVE, IA	AIRPORT NAME: **EAGLE GROVE MUNI**	**RNAV**	**RNAV (GPS) RWY 13, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **02/11/2010**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	TIDMY	TIDMY	010	IAF	HF	R	FO		133.2(136.2T)	004.0	AA 03000	
		TIDMY	010	FACF	IF		FB				AA 03000	
		KIVCO	020	FAF	TF		FB	0.5	133.2(136.2T)	006.1	AA 03000	
		EFJAG	021	SDF	TF		FB	0.3	133.3(136.3T)	003.7	AA 01800 GS 01808	
		RW13	030	MAP	TF		FO	0.3	133.3(136.3T)	002.0	AT 01171	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		133.3(136.3T)		AA 01532	
	SAYQU	050		DF		FO				AA 03000	
	SAYQU	060		HM	R	FO		313.5(316.5T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EFJAG	N424414.94	W0935707.04	N4244.249	W09357.117
	KIVCO	N424657.45	W0940037.58	N4246.958	W09400.626
	SAYQU	N423348.48	W0934339.68	N4233.808	W09343.661
	TIDMY	N425121.87	W0940621.11	N4251.365	W09406.352
	RW13	N424248.07	W0935514.68	N4242.801	W09355.245

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	01131	40

CITY AND STATE	ELEVATION: 1132 THRE: 1131	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
EAGLE GROVE, IA	AIRPORT NAME: **EAGLE GROVE MUNI**	**RNAV**	**RNAV (GPS) RWY 13, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **02/11/2010**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SAYQU (IF/IAF)	UKYUG (FB)	313.50 / 6.10	3000
UKYUG (FAF)	WOTIM/2.00 NM TO RW31 (FB)	313.44 / 3.75	
WOTIM/2.00 NM TO RW31	RW31 (MAP) (FO)	313.44 / 2.00	
RW31 (MAP)	1507 MSL	313.44	
1507 MSL	TIDMY (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 3000 DIRECT TIDMY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 133.24 INBOUND.
CHART FAS OBST: 1254 TREE 424118N/0935223W
1359 AAO 423852N/0934835W.
DISTANCE TO THLD FROM 378 HATH: 1.12 NM.
WAAS CHANNEL # 72634
REFERENCE PATH ID: W31A
CHART CIRCLING ICON.
LTP HAE: 315.9 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE SAYQU, RT, 313.50 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 313.44 FAF: UKYUG DIST FAF TO MAP: 5.75 THLD: 5.75
4. MIN. ALT: SAYQU 3000, UKYUG 3000, WOTIM/2.00 NM TO RW31 1800*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: UKYUG 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 3E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1507	1 1/4	378	1507	1 1/4	378		NA			NA				
LNAV/VNAV DA	1572	1 1/2	443	1572	1 1/2	443		NA			NA				
LNAV MDA	1540	1	411	1540	1	411		NA			NA				
CIRCLING	1660	1	528	1660	1	528		NA			NA				

NOTES:
CHART NOTE: CIRCLING TO RWY 13 NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
CHART NOTE: USE CLARION ALTIMETER SETTING, WHEN NOT RECEIVED, USE FORT DODGE ALTIMETER SETTING AND (SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1132 THRE: 1129 AIRPORT NAME:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
EAGLE GROVE, IA	EAGLE GROVE MUNI		RNAV (GPS) RWY 31, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED 02/11/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

INCREASE ALL DA AND MDA 20 FT, INCREASE ALL LPV AND LNAV/VNAV CATS VISIBILITIES 1/8 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: BARO-VNAV NA.

TAA

	FROM	TO	ALT
1.	224/30 CW 044/30 (NOPT)	SAYQU (IF/IAF) (FB)	3000
2.	044/30 CW 224/30	SAYQU (IF/IAF) (FO)	3000

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1132 THRE: 1129	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EAGLE GROVE, IA	AIRPORT NAME: EAGLE GROVE MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED: 02/11/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEAG
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	424223.8925N
LTP/FTP LONGITUDE	0935443.4270W
LTP/FTP ELLIPSOIDAL HEIGHT	+03159
FPAP LATITUDE	424328.4065N
FPAP LONGITUDE	0935606.8190W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	B207CEC9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03440
FPAP ORTHOMETRIC HEIGHT	+03440

QUALITY 4 CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   SAYQU K30    W     N42334848W093433968                    E0011     NAR           SAYQU
          SUSAEAENRT   TIDMY K30    W     N42512187W094062111                    E0014     NAR           TIDMY
          SUSAEAENRT   UKYUG K30    W     N42381390W093492094                    E0012     NAR           UKYUG
          SUSAEAENRT   WOTIM K30    W     N42405698W093525119                    E0012     NAR           WOTIM

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEAGK3AEAG     0      035YHN42423570W093545800E003001132          1800018000C    MNAR     EAGLE GROVE MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEAGK3FR31   ASAYQU 010SAYQUK3EA0EE AR   HF                    31350040    + 03000     18000                A JS
          SUSAP KEAGK3FR31   R      010SAYQUK3EA0E  I    IF                                + 03000     18000                A JS
          SUSAP KEAGK3FR31   R      020UKYUGK3EA1E  F 051TF                    31350061    + 03000                          A JS
          SUSAP KEAGK3FR31   R      020UKYUGK3EA2WALPV       ALNAV/VNAV ALNAV                                               JS
          SUSAP KEAGK3FR31   R      021WOTIMK3EA0E S  031TF                    31340038    V 0180001806        -300         A JS
          SUSAP KEAGK3FR31   R      030RW31 K3PG0GY M 031TF                    31340020      01169             -300         A JS
          SUSAP KEAGK3FR31   R      040          0  M     CA                   3134        + 01507                          A JS
          SUSAP KEAGK3FR31   R      050TIDMYK3EA0EY       DF                              + 03000                          A JS
          SUSAP KEAGK3FR31   R      060TIDMYK3EA0EE  R    HM                   13320040    + 03000                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEAGK3GRW31     0035003134 N42422389W093544343+0100     +0315901129000040060R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEAGK3PR31   RW31 001 0000W31A0N424223892 5W09354434270+031590300N4243284065W093560681901067516800004 00F400500B207CEC9
          SUSAP KEAGK3PR31   RW31 002E       +03440+03440LPV       72634
```

QUALITY ASSURED

CITY AND STATE	ELEVATION: 1132 THRE: 1129	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
EAGLE GROVE, IA	AIRPORT NAME: EAGLE GROVE MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED: 02/11/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	SAYQU	SAYQU	010	IAF	HF	R	FO		313.5(316.5T)	004.0	AA 03000	
		SAYQU	010	FACF	IF		FB				AA 03000	
		UKYUG	020	FAF	TF		FB	0.5	313.5(316.5T)	006.1	AA 03000	
		WOTIM	021	SDF	TF		FB	0.3	313.4(316.4T)	003.8	AA 01800 GS 01806	
		RW31	030	MAP	TF		FO	0.3	313.4(316.4T)	002.0	AT 01169	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		313.4(316.4T)		AA 01507	
	TIDMY	050		DF		FO				AA 03000	
	TIDMY	060		HM	R	FO		133.2(136.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SAYQU	N423348.48	W0934339.68	N4233.808	W09343.661
	TIDMY	N425121.87	W0940621.11	N4251.365	W09406.352
	UKYUG	N423813.90	W0934920.94	N4238.232	W09349.349
	WOTIM	N424056.98	W0935251.19	N4240.950	W09352.853
	RW31	N424223.89	W0935443.43	N4242.398	W09354.724

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	01129	40



CITY AND STATE	ELEVATION: 1132 THRE: 1129	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
EAGLE GROVE, IA	AIRPORT NAME: **EAGLE GROVE MUNI**	**RNAV**	**RNAV (GPS) RWY 31, AMDT 2** 22 AUGUST 2013	AMDT: **1**
				DATED: **02/11/2010**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FAXUD (IF/IAF)	AWCEX (FB)	177.32 / 5.00	2800
AWCEX (FAF)	RW18 (MAP) (FO)	177.32 / 4.83	
RW18 (MAP)	1531 MSL	177.32	
1531 MSL	YITAY (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

CLIMB TO 3000 DIRECT YITAY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 357.32 INBOUND.
FAS OBST: 1410 AAO 414537N/0942648W
DISTANCE TO THLD FROM 310 HATH: 0.85 NM.
WAAS CHANNEL # 69533
REFERENCE PATH ID: W18A
CHART CIRCLING ICON
LTP HAE: 344.2 M
CHART AUDUBAN AWOS-3

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N FAXUD, RT, 177.32 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 177.32 FAF: AWCEX DIST FAF TO MAP: 4.83 THLD: 4.83
4. MIN. ALT: FAXUD 3000, AWCEX 2800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: AWCEX 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 3E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1531	1	310	1531	1	310		NA			NA				
LNAV/VNAV DA	1744	1 3/4	523	1744	1 3/4	523		NA			NA				
LNAV MDA	1720	1	499	1720	1	499		NA			NA				
CIRCLING	1740	1	519	1880	1	659		NA			NA				

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: USE AUDUBON ALTIMETER SETTING; WHEN NOT RECEIVED, USE CARROLL ALTIMETER SETTING AND (SEE FORM 8260-10)

CHECKED 4 4/17/13

CITY AND STATE	ELEVATION: 1221 THRE: 1221 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
GUTHRIE CENTER, IA	GUTHRIE COUNTY RGNL	RNAV	RNAV (GPS) RWY 18, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 04/08/2010

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
INCREASE LPV DA TO 1535, LNAV/VNAV DA TO 1748 AND ALL MDA 20 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE.

TAA

	FROM	TO	ALT
1.	087/30 CW 250/30 (NOPT)	FAXUD (IF/IAF) (FB)	3000
	250/20 CW 267/20	FAXUD (IF/IAF) (FB)	3000
2.	250/30 CW 267/30 (NOPT)	250/20 CW 267/20	3100
3.	267/30 CW 087/30	267/20 CW 087/20	3100
4.	267/20 CW 087/20	FAXUD (IF/IAF) (FO)	3000

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1221 THRE: 1221	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
GUTHRIE CENTER, IA	AIRPORT NAME: GUTHRIE COUNTY RGNL	RNAV	RNAV (GPS) RWY 18, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 04/08/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGCT
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	414129.9390N
LTP/FTP LONGITUDE	0942606.0565W
LTP/FTP ELLIPSOIDAL HEIGHT	+03442
FPAP LATITUDE	414000.7985N
FPAP LONGITUDE	0942606.7205W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1720
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	300B1309

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03720
FPAP ORTHOMETRIC HEIGHT	+03720

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1221 THRE: 1221 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
GUTHRIE CENTER, IA	GUTHRIE COUNTY RGNL	RNAV	RNAV (GPS) RWY 18, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 04/08/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   AWCEX K30    W     N41462012W094260389                    E0018     NAR           AWCEX
          SUSAEAENRT   FAXUD K30    W     N41512025W094260165                    E0017     NAR           FAXUD
          SUSAEAENRT   YITAY K30    W     N41304681W094261084                    E0018     NAR           YITAY

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KGCTK3AGCT     0     034YHN41411310W094260620E003001221        1800018000C    MNAR    GUTHRIE COUNTY RGNL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KGCTK3FR18   AFAXUD 010FAXUDK3EA0EE AR   HF                    17730040    + 03000     18000                A JS
          SUSAP KGCTK3FR18   R      010FAXUDK3EA0E  I    IF                                + 03000     18000                A JS
          SUSAP KGCTK3FR18   R      020AWCEXK3EA1E  F 051TF                    17730050    + 02800                          A JS
          SUSAP KGCTK3FR18   R      020AWCEXK3EA2WALPV      ALNAV/VNAV ALNAV                                                  JS
          SUSAP KGCTK3FR18   R      030RW18 K3PGOGY M 031TF                    17730048      01261           -300           A JS
          SUSAP KGCTK3FR18   R      040          0  M     CA                   1773        + 01531                          A JS
          SUSAP KGCTK3FR18   R      050YITAYK3EA0EY       DF                                + 03000                          A JS
          SUSAP KGCTK3FR18   R      060YITAYK3EA0EE  R    HM                   35730040    + 03000                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KGCTK3GRW18     0034001773 N41412994W094260606-0100     +0344201221000040060R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KGCTK3PR18    RW18 001 0000W18A0N4141299390W0942606056 5+03442030 0N4140007985W094260672051067517200004 00F400500300B1309
          SUSAP KGCTK3PR18    RW18 002E       +03720+03720LPV       69533
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1221 THRE: 1221	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
GUTHRIE CENTER, IA	AIRPORT NAME: **GUTHRIE COUNTY RGNL**	**RNAV**	**RNAV (GPS) RWY 18, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **04/08/2010**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FAXUD	FAXUD	010	IAF	HF	R	FO		177.3(180.3T)	004.0	AA 03000	
		FAXUD	010	FACF	IF		FB				AA 03000	
		AWCEX	020	FAF	TF		FB	0.5	177.3(180.3T)	005.0	AA 02800	
		RW18	030	MAP	TF		FO	0.3	177.3(180.3T)	004.8	AT 01261	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		177.3(180.3T)		AA 01531	
	YITAY	050		DF		FO				AA 03000	
	YITAY	060		HM	R	FO		357.3(000.3T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AWCEX	N414620.12	W0942603.89	N4146.335	W09426.065
	FAXUD	N415120.25	W0942601.65	N4151.338	W09426.028
	YITAY	N413046.81	W0942610.84	N4130.780	W09426.181
	RW18	N414129.94	W0942606.06	N4141.499	W09426.101

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	01221	40

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1221 THRE: 1221 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
GUTHRIE CENTER, IA	**GUTHRIE COUNTY RGNL**	**RNAV**	**RNAV (GPS) RWY 18, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **04/08/2010**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
YITAY (IF/IAF)	MOFWO (FB)	357.32 / 5.00	2900
MOFWO (FAF)	EGHAB/1.60 NM TO RW36 (FB)	357.32 / 3.55	
EGHAB/1.60 NM TO RW36	RW36 (MAP) (FO)	357.32 / 1.60	
RW36 (MAP)	1529 MSL	357.32	
1529 MSL	FAXUD (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

CLIMB TO 3000 DIRECT FAXUD AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 177.32 INBOUND.
CHART FAS OBST: 1354 TREE 414044N/0942622W
DISTANCE TO THLD FROM 310 HATH: 0.85 NM.
WAAS CHANNEL # 49233
REFERENCE PATH ID: W36A
CHART CIRCLING ICON.
LTP HAE: 343.5 M
CHART AUDUBAN AWOS-3

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S YITAY, RT, 357.32 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 357.32 FAF: MOFWO DIST FAF TO MAP: 5.15 THLD: 5.15
4. MIN. ALT: YITAY 3000, MOFWO 2900, EGHAB/1.60 NM TO RW36 1760*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2900 GS ALT AT: MOFWO 2900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 3E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1529	1	310	1529	1	310		NA			NA				
LNAV/VNAV DA	1576	1 1/4	357	1576	1 1/4	357		NA			NA				
LNAV MDA	1680	1	461	1680	1	461		NA			NA				
CIRCLING	1740	1	519	1880	1	659		NA			NA				

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
(SEE FORM 8260-10)

CHECKED 4 QUALITY

CITY AND STATE	ELEVATION: 1221 THRE: 1219	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
GUTHRIE CENTER, IA	AIRPORT NAME: GUTHRIE COUNTY RGNL	RNAV	RNAV (GPS) RWY 36, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED 04/08/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: USE AUDUBON ALTIMETER SETTING; WHEN NOT RECEIVED, USE CARROLL ALTIMETER SETTING AND INCREASE LPV DA TO 1533, LNAV/VNAV DA TO 1580, AND ALL MDA 20 FEET.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

TAA

	FROM	TO	ALT
1.	267/30 CW 087/30 (NOPT)	YITAY (IF/IAF) (FB)	3000
2.	087/30 CW 267/30	YITAY (IAF) (FO)	3000

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1221 THRE: 1219	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
GUTHRIE CENTER, IA	AIRPORT NAME: GUTHRIE COUNTY RGNL	RNAV	RNAV (GPS) RWY 36, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 04/08/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGCT
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	414056.3470N
LTP/FTP LONGITUDE	0942606.3110W
LTP/FTP ELLIPSOIDAL HEIGHT	+03435
FPAP LATITUDE	414225.4875N
FPAP LONGITUDE	0942605.6465W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1720
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	844C1132

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03714
FPAP ORTHOMETRIC HEIGHT	+03714

QUALITY CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT    EGHAB K30    W      N41392030W094260703                      E0018     NAR           EGHAB
        SUSAEAENRT    FAXUD K30    W      N41512025W094260165                      E0017     NAR           FAXUD
        SUSAEAENRT    MOFWO K30    W      N41354696W094260861                      E0018     NAR           MOFWO
        SUSAEAENRT    YITAY K30    W      N41304681W094261084                      E0018     NAR           YITAY

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGCTK3AGCT     0      034YHN41411310W094260620E003001221          18000018000C    MNAR    GUTHRIE COUNTY RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGCTK3FR36   AYITAY 010YITAYK3EA0EE AR   HF                      35730040    + 03000     18000                A JS
        SUSAP KGCTK3FR36   R      010YITAYK3EA0E  I    IF                                  + 03000     18000                A JS
        SUSAP KGCTK3FR36   R      020MOFWOK3EA1E  F 051TF                      35730050    + 02900                          A JS
        SUSAP KGCTK3FR36   R      020MOFWOK3EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KGCTK3FR36   R      021EGHABK3EA0E S  031TF                      35730036    V 0176001768        -300         A JS
        SUSAP KGCTK3FR36   R      030RW36 K3PG0GY M 031TF                      35730016      01259             -300         A JS
        SUSAP KGCTK3FR36   R      040          0  M     CA                     3573        + 01529                          A JS
        SUSAP KGCTK3FR36   R      050FAXUDK3EA0EY       DF                                 + 03000                          A JS
        SUSAP KGCTK3FR36   R      060FAXUDK3EA0EE  R    HM                     17730040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGCTK3GRW36     0034003573 N41405635W094260631+0100     +03435012190000400 60R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGCTK3PR36    RW36 001 0000W36A0N4140563470W09426063110+034350300N4142254875W094260564651067517200004 00F400500844C1132
        SUSAP KGCTK3PR36    RW36 002E       +03714+03714LPV       49233
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1221 THRE: 1219	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
GUTHRIE CENTER, IA	AIRPORT NAME: **GUTHRIE COUNTY RGNL**	**RNAV**	**RNAV (GPS) RWY 36, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG** DATED: **04/08/2010**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	YITAY	YITAY	010	IAF	HF	R	FO		357.3(000.3T)	004.0	AA 03000	
		YITAY	010	FACF	IF		FB				AA 03000	
		MOFWO	020	FAF	TF		FB	0.5	357.3(000.3T)	005.0	AA 02900	
		EGHAB	021	SDF	TF		FB	0.3	357.3(000.3T)	003.6	AA 01760 GS 01768	
		RW36	030	MAP	TF		FO	0.3	357.3(000.3T)	001.6	AT 01259	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		357.3(000.3T)		AA 01529	
	FAXUD	050		DF		FO				AA 03000	
	FAXUD	060		HM	R	FO		177.3(180.3T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EGHAB	N413920.30	W0942607.03	N4139.338	W09426.117
	FAXUD	N415120.25	W0942601.65	N4151.338	W09426.028
	MOFWO	N413546.96	W0942608.61	N4135.783	W09426.144
	YITAY	N413046.81	W0942610.84	N4130.780	W09426.181
	RW36	N414056.35	W0942606.31	N4140.939	W09426.105

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	01219	40

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1221 THRE: 1219	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
GUTHRIE CENTER, IA	AIRPORT NAME: GUTHRIE COUNTY RGNL	RNAV	RNAV (GPS) RWY 36, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 04/08/2010

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WIBUD (IF/IAF)	JIKJE (FB)	177.40 / 4.00	2800
JIKJE (FAF)	UDUXE/2.10 NM TO RW17 (FB)	177.40 / 2.87	
UDUXE/2.10 NM TO RW17	RW17 (MAP) (FO)	177.40 / 2.10	
RW17 (MAP)	1426 MSL	177.40	
1426 MSL	WURLU (FO)		4000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

CLIMB TO 4000 DIRECT WURLU AND HOLD, CONTINUE CLIMB IN HOLD TO 4000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N WIBUD, LT, 177.40 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 177.40 FAF: JIKJE DIST FAF TO MAP: 4.97 THLD: 4.97
4. MIN. ALT: WIBUD 4000, JIKJE 2800, UDUXE/2.10 NM TO RW17 1880*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: JIKJE 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 357.40 INBOUND.
CHART FAS OBST: 1332 TOWER 424419N/0931318W
DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
CHART VDP AT 1.20 MILES TO RW17*
*LNAV ONLY.
WAAS CHANNEL # 58133
REFERENCE PATH ID: W17A
CHART CIRCLING ICON
LTP HAE: 329.3 M

MAG VAR: 3E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1426	1	250	1426	1	250		NA			NA				
LNAV/VNAV DA	1605	1 1/2	429	1605	1 1/2	429		NA			NA				
LNAV MDA	1600	1	424	1600	1	424		NA			NA				
CIRCLING	1640	1	464	1640	1	464		NA			NA				

NOTES:
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING MASON CITY ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1176 THRE: 1176 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HAMPTON, IA	HAMPTON MUNI	RNAV	RNAV (GPS) RWY 17, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A DATED 03/10/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MASON CITY ALTIMETER SETTING AND INCREASE ALL DA 67 FT AND ALL MDA 80 FT, AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	087/30 CW 267/30 (NOPT)	WIBUD (IF/IAF) (FB)	4000
2.	267/30 CW 087/30	WIBUD (IF/IAF) (FO)	4000

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1176 THRE: 1176	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HAMPTON, IA	AIRPORT NAME: HAMPTON MUNI	RNAV	RNAV (GPS) RWY 17, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A
				DATED: 03/10/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHPT
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	424345.1485N
LTP/FTP LONGITUDE	0931334.6090W
LTP/FTP ELLIPSOIDAL HEIGHT	+03293
FPAP LATITUDE	424216.0250N
FPAP LONGITUDE	0931335.4530W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	317BB2A0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03585
FPAP ORTHOMETRIC HEIGHT	+03585

QUALITY CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   JIKJE K30    W     N42484360W093133178                    E0007     NAR           JIKJE
        SUSAEAENRT   UDUXE K30    W     N42455118W093133342                    E0007     NAR           UDUXE
        SUSAEAENRT   WIBUD K30    W     N42524366W093132950                    E0007     NAR           WIBUD
        SUSAEAENRT   WURLU K30    W     N42340369W093134011                    E0007     NAR           WURLU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHPTK3AHPT     0     040YHN42432530W093133480E003001176          1800018000C    MNAR    HAMPTON MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHPTK3FR17   AWIBUD 010WIBUDK3EA0EE AL   HF                    17740040    + 04000     18000                A JS
        SUSAP KHPTK3FR17   R      010WIBUDK3EA0E  I    IF                                + 04000     18000                A JS
        SUSAP KHPTK3FR17   R      020JIKJEK3EA1E  F 051TF                    17740040    + 02800                          A JS
        SUSAP KHPTK3FR17   R      020JIKJEK3EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KHPTK3FR17   R      021UDUXEK3EA0E S  031TF                    17740029    V 0188001885       -300          A JS
        SUSAP KHPTK3FR17   R      030RW17 K3PG0GY M 031TF                    17740021      01216            -300          A JS
        SUSAP KHPTK3FR17   R      040         0  M     CA                    1774        + 01426                          A JS
        SUSAP KHPTK3FR17   R      050WURLUK3EA0EY       DF                              + 04000                          A JS
        SUSAP KHPTK3FR17   R      060WURLUK3EA0EE  R    HM                    35740040    + 04000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHPTK3GRW17    0040201774 N42434515W093133461-0400    +0329301176000040075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHPTK3PR17   RW17 001 0000W17A0N4243451485W09313346090+032930300N4242160250W0931335453010675152800040OF400500317BB2A0
        SUSAP KHPTK3PR17   RW17 002E      +03585+03585LPV       58133
```



CITY AND STATE	ELEVATION: 1176 THRE: 1176	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HAMPTON, IA	AIRPORT NAME: HAMPTON MUNI	RNAV	RNAV (GPS) RWY 17, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A
				DATED: 03/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	WIBUD	WIBUD	010	IAF	HF	L	FO		177.4(180.4T)	004.0	AA 04000	
		WIBUD	010	FACF	IF		FB				AA 04000	
		JIKJE	020	FAF	TF		FB	0.5	177.4(180.4T)	004.0	AA 02800	
		UDUXE	021	SDF	TF		FB	0.3	177.4(180.4T)	002.9	AA 01880 GS 01895	
		RW17	030	MAP	TF		FO	0.3	177.4(180.4T)	002.1	AT 01216	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		177.4(180.4T)		AA 01426	
		WURLU	050		DF		FO				AA 04000	
		WURLU	060		HM	R	FO		357.4(000.4T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	JIKJE	N424843.60	W0931331.78	N4248.727	W09313.530
	UDUXE	N424551.18	W0931333.42	N4245.853	W09313.557
	WIBUD	N425243.66	W0931329.50	N4252.728	W09313.492
	WURLU	N423403.69	W0931340.11	N4234.062	W09313.669
	RW17	N424345.15	W0931334.61	N4243.753	W09313.577

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	01176	40

CITY AND STATE	ELEVATION: 1176 THRE: 1176	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HAMPTON, IA	AIRPORT NAME: **HAMPTON MUNI**	**RNAV**	**RNAV (GPS) RWY 17, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG-A**
				DATED: **03/10/2011**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WURLU (IF/IAF)	HOXEM (FB)	357.40 / 4.00	2800
HOXEM (FAF)	HUKUN/2.60 NM TO RW35 (FB)	357.40 / 2.43	
HUKUN/2.60 NM TO RW35	RW35 (MAP) (FO)	357.40 / 2.60	
RW35 (MAP)	1409 MSL	357.40	
1409 MSL	WIBUD (FO)		4000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

CLIMB TO 4000 DIRECT WIBUD AND HOLD, CONTINUE CLIMB IN HOLD TO 4000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S WURLU, RT, 357.40 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 357.40 FAF: HOXEM DIST FAF TO MAP: 5.03 THLD: 5.03
4. MIN. ALT: WURLU 4000, HOXEM 2800, HUKUN/2.60 NM TO RW35 2020*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: HOXEM 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD N, LT, 177.40 INBOUND.
CHART FAS OBST: 1279 TREE 424203N/0931409W
DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
CHART VDP AT 1.32 MILES TO RW35*
*LNAV ONLY.
WAAS CHANNEL # 77833
REFERENCE PATH ID: W35A
CHART CIRCLING ICON
LTP HAE: 324 M

MAG VAR: 3E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY ====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1409	1	250	1409	1	250		NA			NA				
LNAV/VNAV DA	1645	1 5/8	486	1645	1 5/8	486		NA			NA				
LNAV MDA	1620	1	461	1620	1	461		NA			NA				
CIRCLING	1640	1	464	1640	1	464		NA			NA				

NOTES:
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING MASON CITY ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1176 THRE: 1159 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HAMPTON, IA	HAMPTON MUNI	RNAV	RNAV (GPS) RWY 35, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A DATED 03/10/2011

NOTES, (CONT.):

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MASON CITY ALTIMETER SETTING AND INCREASE ALL DA 67 FT AND ALL MDA 80 FT, AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	267/30 CW 087/30 (NOPT)	WURLU (IF/IAF) (FB)	4000
2.	087/30 CW 267/30	WURLU (IF/IAF) (FO)	4000

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHPT
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	424305.4405N
LTP/FTP LONGITUDE	0931334.9875W
LTP/FTP ELLIPSOIDAL HEIGHT	+03240
FPAP LATITUDE	424434.5645N
FPAP LONGITUDE	0931334.1435W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	A5258A6F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03533
FPAP ORTHOMETRIC HEIGHT	+03533

QUALITY CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   HOXEM K30    W     N42380376W093133784                    E0007     NAR           HOXEM
        SUSAEAENRT   HUKUN K30    W     N42402940W093133646                    E0007     NAR           HUKUN
        SUSAEAENRT   WIBUD K30    W     N42524366W093132950                    E0007     NAR           WIBUD
        SUSAEAENRT   WURLU K30    W     N42340369W093134011                    E0007     NAR           WURLU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHPTK3AHPT     0     040YHN42432530W093133480E003001176         1800018000C    MNAR    HAMPTON MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHPTK3FR35   AWURLU 010WURLUK3EA0EE AR   HF                    35740040    + 04000     18000                A JS
        SUSAP KHPTK3FR35   R      010WURLUK3EA0E  I    IF                              + 04000     18000                A JS
        SUSAP KHPTK3FR35   R      020HOXEMK3EA1E  F 051TF                    35740040    + 02800                          A JS
        SUSAP KHPTK3FR35   R      020HOXEMK3EA2WALPV       ALNAV/VNAV ALNAV                                              JS
        SUSAP KHPTK3FR35   R      021HUKUNK3EA0E S  031TF                    35740024    V 0202002027        -300         A JS
        SUSAP KHPTK3FR35   R      030RW35 K3PG0GY M 031TF                    35740026      01199             -300         A JS
        SUSAP KHPTK3FR35   R      040         0  M     CA                    3574        + 01409                          A JS
        SUSAP KHPTK3FR35   R      050WIBUDK3EA0EY       DF                              + 04000                          A JS
        SUSAP KHPTK3FR35   R      060WIBUDK3EA0EE  L    HM                    17740040    + 04000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHPTK3GRW35    0040203574 N42430544W093133499+0400    +03240011590000040075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHPTK3PR35   RW35 001 0000W35A0N4243054405W09313349875+032400300N4244345645W093133414351067515280004O0F400500A5258A6F
        SUSAP KHPTK3PR35   RW35 002E      +03533+03533LPV       77833
```

CITY AND STATE	ELEVATION: 1176 THRE: 1159	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HAMPTON, IA	AIRPORT NAME: HAMPTON MUNI	RNAV	RNAV (GPS) RWY 35, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A
				DATED: 03/10/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	WURLU	WURLU	010	IAF	HF	R	FO		357.4(000.4T)	004.0	AA 04000	
		WURLU	010	FACF	IF		FB				AA 04000	
		HOXEM	020	FAF	TF		FB	0.5	357.4(000.4T)	004.0	AA 02800	
		HUKUN	021	SDF	TF		FB	0.3	357.4(000.4T)	002.4	AA 02020 GS 02027	
		RW35	030	MAP	TF		FO	0.3	357.4(000.4T)	002.6	AT 01199	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		357.4(000.4T)		AA 01409	
	WIBUD	050		DF		FO				AA 04000	
	WIBUD	060		HM	L	FO		177.4(180.4T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HOXEM	N423803.76	W0931337.84	N4238.063	W09313.631
	HUKUN	N424029.40	W0931336.46	N4240.490	W09313.608
	WIBUD	N425243.66	W0931329.50	N4252.728	W09313.492
	WURLU	N423403.69	W0931340.11	N4234.062	W09313.669
	RW35	N424305.44	W0931334.99	N4243.091	W09313.583

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	01159	40

CITY AND STATE	ELEVATION: 1176 THRE: 1159	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HAMPTON, IA	AIRPORT NAME: HAMPTON MUNI	RNAV	RNAV (GPS) RWY 35, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A DATED: 03/10/2011

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UPGEF (IF/IAF)	IXODY (FB)	154.68 / 6.00	2500
IXODY (FAF)	ARYED/2.50 NM TO RW15 (FB)	154.72 / 2.81	
ARYED/2.50 NM TO RW15	RW15 (MAP) (FO)	154.72 / 2.50	
RW15 (MAP)	1169 MSL	154.72	
1169 MSL	NAZVI (FO)		3000

MISSED APPROACH

LP: RW15
LNAV: RW15

CLIMB TO 3000 DIRECT NAZVI AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 334.82 INBOUND.
CHART FAS OBST: 924 TREE 420412N/0904451W
CHART FAS OBST: 937 TREE 420502N/0904630W
WAAS CHANNEL # 69633
REFERENCE PATH ID: W15A
CHART CIRCLING ICON
LTP HAE: 201.9 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW UPGEF, RT, 154.68 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 154.72 FAF: IXODY DIST FAF TO MAP: 5.31 THLD: 5.31
4. MIN. ALT: UPGEF 3000, IXODY 2500, ARYED/2.50 NM TO RW15 1600
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: ____

MAG VAR: 0E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1180	1	411	1180	1	411		NA			NA				
LNAV MDA	1200	1	431	1200	1	431		NA			NA				
CIRCLING	1240	1	471	1400	1	631		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: RWY 15 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.
CHART PROFILE NOTE: DESCENT ANGLE NA.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 769 THRE: 769 AIRPORT NAME:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MAQUOKETA, IA	MAQUOKETA MUNI		RNAV (GPS) RWY 15, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 06/03/2010

FAA FORM 8260 - 3 / April 2006 (computer generated)

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: OBTAIN LOCAL ALTIMETER ON CTAF; WHEN NOT RECEIVED, USE DUBUQUE ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET.

TAA

	FROM	TO	ALT
1.	065/30 CW 245/30 (NOPT)	UPGEF (IF/IAF) (FB)	3000
2.	245/30 CW 065/30	UPGEF (IF/IAF) (FO)	3000

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOQW
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	420315.0270N
LTP/FTP LONGITUDE	0904429.0385W
LTP/FTP ELLIPSOIDAL HEIGHT	+02019
FPAP LATITUDE	420154.4100N
FPAP LONGITUDE	0904338.0400W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1744
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	4294F7B3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02344
FPAP ORTHOMETRIC HEIGHT	+02344

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated; except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ARYED K30    W     N42053074W090455498                    W0012     NAR           ARYED
        SUSAEAENRT   IXODY K30    W     N42080325W090473169                    W0012     NAR           IXODY
        SUSAEAENRT   NAZVI K30    W     N41530824W090380612                    W0013     NAR           NAZVI
        SUSAEAENRT   UPGEF K30    W     N42132885W090505865                    W0012     NAR           UPGEF

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOQWK3AOQW     0     033YHN42030030W090441970E000000769         18000018000C    MNAR    MAQUOKETA MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOQWK3FR15   AUPGEF 010UPGEFK3EA0EE AR   HF                    15470040    + 03000     18000               A JS
        SUSAP KOQWK3FR15   R      010UPGEFK3EA0E  I    IF                                + 03000     18000               A JS
        SUSAP KOQWK3FR15   R      020IXODYK3EA1E  F 051TF                    15470060    + 02500                         A JS
        SUSAP KOQWK3FR15   R      020IXODYK3EA2WALP       N          ALNAV                                               JS
        SUSAP KOQWK3FR15   R      021ARYEDK3EA0E S  031TF                    15470028    + 01600                         A JS
        SUSAP KOQWK3FR15   R      030RW15 K3PG0GY M 031TF                    15470025      01200             000         A JS
        SUSAP KOQWK3FR15   R      040         0  M     CA                    1547        + 01169                         A JS
        SUSAP KOQWK3FR15   R      050NAZVIK3EA0EY       DF                              + 03000                         A JS
        SUSAP KOQWK3FR15   R      060NAZVIK3EA0EE  R    HM                    33480040    + 03000                         A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOQWK3GRW15    0033041548 N42031503W090442904-0900    +0201900769000000060R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOQWK3PR15   RW15 001 0000W15A0N4203150270W09044290385+020190000N4201544100W090433804001067517440000000F4000004294F7B3
        SUSAP KOQWK3PR15   RW15 002E      +02344+02344LP        69633
```

CITY AND STATE	ELEVATION: 769 THRE: 769	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MAQUOKETA, IA	AIRPORT NAME: MAQUOKETA MUNI	RNAV	RNAV (GPS) RWY 15, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 06/03/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	UPGEF	UPGEF	010	IAF	HF	R	FO		154.7(154.7T)	004.0	AA 03000	
		UPGEF	010	FACF	IF		FB				AA 03000	
		IXODY	020	FAF	TF		FB	0.5	154.7(154.7T)	006.0	AA 02500	
		ARYED	021	SDF	TF		FB	0.3	154.7(154.7T)	002.8	AA 01600	
		RW15	030	MAP	TF		FO	0.3	154.7(154.7T)	002.5	AT 01200	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		154.7(154.7T)		AA 01169	
	NAZVI	050		DF		FO				AA 03000	
	NAZVI	060		HM	R	FO		334.8(334.8T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ARYED	N420530.74	W0904554.98	N4205.512	W09045.916
	IXODY	N420803.25	W0904731.69	N4208.054	W09047.528
	NAZVI	N415308.24	W0903806.12	N4153.137	W09038.102
	UPGEF	N421328.85	W0905058.65	N4213.481	W09050.978
	RW15	N420315.03	W0904429.04	N4203.251	W09044.484

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW15	00769	00



CITY AND STATE	ELEVATION: 769 THRE: 769	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MAQUOKETA, IA	AIRPORT NAME: **MAQUOKETA MUNI**	**RNAV**	**RNAV (GPS) RWY 15, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **06/03/2010**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
NAZVI (IF)	YOPGU (FB)	334.82 / 6.00	2500
YOPGU (FAF)	WETOK/2.30 NM TO RW33 (FB)	334.78 / 2.33	
WETOK/2.30 NM TO RW33	RW33 (MAP) (FO)	334.78 / 2.30	
RW33 (MAP)	1036 MSL	334.78	
1036 MSL	UPGEF (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

CLIMB TO 3000 DIRECT UPGEF AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE NAZVI, RT, 334.82 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 334.78 FAF: YOPGU DIST FAF TO MAP: 4.63 THLD: 4.63
4. MIN. ALT: NAZVI 3000, YOPGU 2500, WETOK/2.30 NM TO RW33 1620*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: YOPGU 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.50 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 154.68 INBOUND.
CHART FAS OBST: 873 TREE 420224N/0904406W
DISTANCE TO THLD FROM 298 HATH: 0.69 NM.
CHART VDP AT 1.16 MILES TO RW33*
*LNAV ONLY.
WAAS CHANNEL # 82733
REFERENCE PATH ID: W33A
CHART CIRCLING ICON
LTP HAE: 192.4 M

MAG VAR: 0E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1078	1	340	1078	1	340		NA			NA				
LNAV/VNAV DA	1036	1	298	1036	1	298		NA			NA				
LNAV MDA	1140	1	402	1140	1	402		NA			NA				
CIRCLING	1240	1	471	1400	1	631		NA			NA				

NOTES:
CHART NOTE: CIRCLING TO RWY 15 NA AT NIGHT.
CHART NOTE: BARO-VNAV NA WHEN USING DUBUQUE ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

CHECKED 4

CITY AND STATE	ELEVATION: 769 THRE: 738 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MAQUOKETA, IA	MAQUOKETA MUNI	RNAV	RNAV (GPS) RWY 33, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 06/03/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: OBTAIN LOCAL ALTIMETER ON CTAF; WHEN NOT RECEIVED, USE DUBUQUE ALTIMETER SETTING AND INCREASE ALL DA 92 FEET AND ALL MDA 100 FEET. INCREASE LPV ALL CATS VISIBILITY TO 1 1/4 MILE AND LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 MILE.

TAA

	FROM	TO	ALT
1.	245/30 CW 065/30 (NOPT)	245/15 CW 065/15	3100
	245/15 CW 065/15	NAZVI (IF/IAF) (FB)	3000
2.	065/30 CW 245/30	NAZVI (IF/IAF) (FO)	3000



CITY AND STATE	ELEVATION: 769 THRE: 738	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MAQUOKETA, IA	AIRPORT NAME: MAQUOKETA MUNI	RNAV	RNAV (GPS) RWY 33, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 06/03/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOQW
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	420245.5135N
LTP/FTP LONGITUDE	0904410.3585W
LTP/FTP ELLIPSOIDAL HEIGHT	+01924
FPAP LATITUDE	420406.1300N
FPAP LONGITUDE	0904501.3900W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1744
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	D91C3031

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02250
FPAP ORTHOMETRIC HEIGHT	+02250

QUALITY CHECKED

CITY AND STATE	ELEVATION: 769 THRE: 738	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MAQUOKETA, IA	AIRPORT NAME: MAQUOKETA MUNI	RNAV	RNAV (GPS) RWY 33, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 06/03/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   NAZVI K30    W     N41530824W090380612                    W0013     NAR           NAZVI
        SUSAEAENRT   UPGEF K30    W     N42132885W090505865                    W0012     NAR           UPGEF
        SUSAEAENRT   WETOK K30    W     N42004064W090425139                    W0012     NAR           WETOK
        SUSAEAENRT   YOPGU K30    W     N41583395W090413138                    W0012     NAR           YOPGU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOQWK3AOQW     0     033YHN42030030W090441970E000000769         18000018000C    MNAR    MAQUOKETA MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOQWK3FR33   ANAZVI 010NAZVIK3EA0EE AR   HF                    33480040    + 03000     18000                A JS
        SUSAP KOQWK3FR33   R      010NAZVIK3EA0E  I    IF                                + 03000     18000                A JS
        SUSAP KOQWK3FR33   R      020YOPGUK3EA1E  F 051TF                    33480060    + 02500                          A JS
        SUSAP KOQWK3FR33   R      020YOPGUK3EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KOQWK3FR33   R      021WETOKK3EA0E S  031TF                    33480023    V 0162001633       -350          A JS
        SUSAP KOQWK3FR33   R      030RW33 K3PG0GY M 031TF                    33480023      00778            -350          A JS
        SUSAP KOQWK3FR33   R      040         0  M     CA                    3348        + 01036                          A JS
        SUSAP KOQWK3FR33   R      050UPGEFK3EA0EY      DF                              + 03000                          A JS
        SUSAP KOQWK3FR33   R      060UPGEFK3EA0EE  R   HM                    15470040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOQWK3GRW33    0033043348 N42024551W090441036+0900    +0192400738000040060R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOQWK3PR33   RW33 001 0000W33A0N4202455135W09044103585+019240350N4204061300W090450139001067517440004O0F400500D91C3031
        SUSAP KOQWK3PR33   RW33 002E      +02250+02250LPV       82733
```



CITY AND STATE	ELEVATION: 769 THRE: 738	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MAQUOKETA, IA	AIRPORT NAME: **MAQUOKETA MUNI**	**RNAV**	**RNAV (GPS) RWY 33, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **06/03/2010**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	NAZVI	NAZVI	010	IAF	HF	R	FO		334.8(334.8T)	004.0	AA 03000	
		NAZVI	010	FACF	IF		FB				AA 03000	
		YOPGU	020	FAF	TF		FB	0.5	334.8(334.8T)	006.0	AA 02500	
		WETOK	021	SDF	TF		FB	0.3	334.8(334.8T)	002.3	AA 01620 GS 01633	
		RW33	030	MAP	TF		FO	0.3	334.8(334.8T)	002.3	AT 00778	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		334.8(334.8T)		AA 01036	
	UPGEF	050		DF		FO				AA 03000	
	UPGEF	060		HM	R	FO		154.7(154.7T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	NAZVI	N415308.24	W0903806.12	N4153.137	W09038.102
	UPGEF	N421328.85	W0905058.65	N4213.481	W09050.978
	WETOK	N420040.64	W0904251.39	N4200.677	W09042.857
	YOPGU	N415833.95	W0904131.38	N4158.566	W09041.523
	RW33	N420245.51	W0904410.36	N4202.759	W09044.173

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW33	00738	40



CITY AND STATE	ELEVATION: 769 THRE: 738	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MAQUOKETA, IA	AIRPORT NAME: **MAQUOKETA MUNI**	**RNAV**	**RNAV (GPS) RWY 33, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **06/03/2010**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SUX VORTAC	GAK NDB	315.00 / 4.72	3500

MISSED APPROACH

MAP: GAK NDB

CLIMBING LEFT TURN TO 3000 DIRECT SUX VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 360.00 INBOUND.
CHART FAS OBST: 1650 TOWER 422910N/0962050W
CHART 1400 COMMUNICATION TWR 422737N/0962217W.
AFAVO INT TO RW17: 3.50/72.
CHART: CIRCLING ICON.
CHART: MAXIMUM 6000 AT GAK NDB.
FAC 498R OF RWY C/L EXTENDED 3000 FROM THLD.

1. PT L SIDE OF COURSE 000.78 OUTBOUND 3500 FT WITHIN 10 MILES OF GAK NDB (IAF)
2.
3. FAC 180.78 FAF AFAVO INT DIST FAF TO MAP 3.58 THLD 3.58
4. MIN ALT AFAVO INT 2500
8. MSA FROM: GAK NDB 090-270 2900, 270-090 4400

MAG VAR: 6E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: NA @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-17	1960	1	862	1960	1 1/4	862	1960	2 1/2	862	1960	2 1/2	862			
CIRCLING	1960	1 1/4	862	1960	1 1/4	862	1960	2 1/2	862	1960	2 3/4	862			

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.
CHART NOTE: RWY 17 STRAIGHT-IN AND CIRCLING MINIMUMS NA NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LE MARS ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10)

@ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1098 THRE: 1098	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
SIOUX CITY, IA	AIRPORT NAME: SIOUX GATEWAY/COL. BUD DAY FIELD	GAK	NDB RWY 17, AMDT 2 22 AUGUST 2013	AMDT 1
				DATE 1/23/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.27

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
ALL MDA 80 FEET, INCREASE S-17 CAT A AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1098 THRE: 1098	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	AIRPORT NAME: **SIOUX GATEWAY/COL. BUD DAY FIELD**	**GAK**	**NDB RWY 17, AMDT 2** 22 AUGUST 2013	AMDT: **1**
				DATED: **1/23/2003**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SUX VORTAC	VOGYU (FO)	310.98 / 16.08	3500
ATLES	JOVDU (FB)	053.02 / 12.03	3500
OYENS	WAGUX (FB)	237.25 / 19.41	3500
JOVDU (IAF)	VOGYU (NOPT) (FB)	039.51 / 5.00	3500
WAGUX (IAF)	VOGYU (NOPT) (FB)	219.61 / 5.00	3500
VOGYU (IF/IAF)	YABUR (FB)	129.56 / 6.80	2500
YABUR (FAF)	RW13 (MAP) (FO)	129.64 / 4.20	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

CLIMB TO 3900 DIRECT WAVUK AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW VOGYU, RT, 129.56 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
3. FAC: 129.64 FAF: YABUR DIST FAF TO MAP: 4.20 THLD: 4.20
4. MIN. ALT: VOGYU 3500, YABUR 2500
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: YABUR 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.0 34:1 IS CLEAR
8. MSA FROM: RW13 4400

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 309.82 INBOUND.
FAS OBST: 1320 AAO 422650N/0962717W
DISTANCE TO THLD FROM 200 HATH: 0.46 NM.
CHART VDP AT 1.49 MILES TO RW31*
*LNAV ONLY.
WAAS CHANNEL # 57911
REFERENCE PATH ID: W13A
CHART CIRCLING ICON
LTP HAE: 307.1 M

MAG VAR: 6E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1293	4000	200	1293	4000	200	1293	4000	200	1293	4000	200	1293	4000	200
LNAV/VNAV DA	1580	1 3/8	487	1580	1 3/8	487	1580	1 3/8	487	1580	1 3/8	487	1580	1 3/8	487
LNAV MDA	1620	4000	527	1620	4000	527	1620	1 1/4	527	1620	1 1/4	527	1620	1 1/4	527
CIRCLING	1640	1	542	1700	1	602	1700	1 3/4	602	1840	2 1/2	742	2000	3	902

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING LE MARS ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

@ CAT D 800-2 1/2, CAT E 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1098 THRE: 1093 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	SIOUX GATEWAY/COL. BUD DAY FIELD	RNAV	RNAV (GPS) RWY 13, ORIG-B 22 AUGUST 2013	AMDT: ORIG-A DATED 10/12/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above alport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW13 (MAP)	1293 MSL	129.64	
1293 MSL	WAVUK (FO)		3900

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LE MARS ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND ALL MDA 80 FEET, INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C/D/E VISIBILITY 1/4 MILE, INCREASE CIRCLING CAT C/D VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALS WHEN USING LE MARS ALTIMETER SETTING INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, LNAV/VNAV CATS C/D/E VISIBILITY TO 1 5/8, AND LNAV CATS C/D/E VISIBILITY TO 1 3/4.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SUX VORTAC AIRWAY RADIALS 298 CW 331.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1098 THRE: 1093 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	SIOUX GATEWAY/COL. BUD DAY FIELD	RNAV	RNAV (GPS) RWY 13, ORIG-B 22 AUGUST 2013	AMDT: ORIG-A DATED: 10/12/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSUX
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	422433.0730N
LTP/FTP LONGITUDE	0962351.7300W
LTP/FTP ELLIPSOIDAL HEIGHT	+03071
FPAP LATITUDE	422329.2900N
FPAP LONGITUDE	0962227.7200W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	370125F8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03332
FPAP ORTHOMETRIC HEIGHT	+03332

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        SUX  K3011650VTLA N42204026W096192512    N42204026W096192512E0090010871     NARSIOUX CITY

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   ATLES K30    C   L N42224380W096530155                    E0036     NAR           ATLES
          SUSAEAENRT   JOVDU K30    W     N42285473W096390496                    E0034     NAR           JOVDU
          SUSAEAENRT   OYENS K30    R   L N42444187W096055709                    E0030     NAR           OYENS
          SUSAEAENRT   VOGYU K30    W     N42322495W096341549                    E0033     NAR           VOGYU
          SUSAEAENRT   WAGUX K30    W     N42355496W096292548                    E0033     NAR           WAGUX
          SUSAEAENRT   WAVUK K30    W     N42145349W096111072                    E0031     NAR           WAVUK
          SUSAEAENRT   YABUR K30    W     N42273316W096274933                    E0033     NAR           YABUR

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSUXK3ASUX     0     090YHN42240940W096230370E006001098          1800018000C    MNAR    SIOUX GATEWAY/COL. BUD DAY FIE

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSUXK3FR13   AATLES 010ATLESK3EA0E       IF                                          18000              A JS
          SUSAP KSUXK3FR13   AATLES 020JOVDUK3EA0E  A 020TF                    05300120    + 03500                      A JS
          SUSAP KSUXK3FR13   AATLES 030VOGYUK3EA0EE B 010TF                    03950050    + 03500                      A JS
          SUSAP KSUXK3FR13   AOYENS 010OYENSK3EA0E       IF                                          18000              A JS
          SUSAP KSUXK3FR13   AOYENS 020WAGUXK3EA0E  A 020TF                    23730194    + 03500                      A JS
          SUSAP KSUXK3FR13   AOYENS 030VOGYUK3EA0EE B 010TF                    21960050    + 03500                      A JS
          SUSAP KSUXK3FR13   ASUX   010SUX  K3D 0V       IF                                          18000              A JS
          SUSAP KSUXK3FR13   ASUX   020VOGYUK3EA0EY   020TF                    31100161    + 03500                      A JS
          SUSAP KSUXK3FR13   ASUX   030VOGYUK3EA0EE AR   HF                    12960070    + 03500                      A JS
          SUSAP KSUXK3FR13   R      010VOGYUK3EA0E  I    IF                                 + 03500    18000             A JS
          SUSAP KSUXK3FR13   R      020YABURK3EA1E  F 051TF                    12960068    + 02500            RW13   K3PGA JS
          SUSAP KSUXK3FR13   R      020YABURK3EA2WALPV       ALNAV/VNAV ALNAV                                              JS
          SUSAP KSUXK3FR13   R      030RW13 K3PG0GY M 031TF                    12960042      01147          -300           A JS
          SUSAP KSUXK3FR13   R      040         0  M     CA                    1296        + 01293                      A JS
          SUSAP KSUXK3FR13   R      050WAVUKK3EA0EY      DF                                 + 03900                      A JS
          SUSAP KSUXK3FR13   R      060WAVUKK3EA0EE  R   HM                    30980070    + 03900                      A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
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4

CITY AND STATE	ELEVATION: 1098 THRE: 1093	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	AIRPORT NAME: **SIOUX GATEWAY/COL. BUD DAY FIELD**	**RNAV**	**RNAV (GPS) RWY 13, ORIG-B** 22 AUGUST 2013	AMDT: **ORIG-A**
				DATED: **10/12/2011**

```
        SUSAP KSUXK3GRW13     0090021297 N42243307W096235173+0000     +0307101093000054150I

                  1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSUXK3PR13    RW13 001 0000W13A0N4224330730W09623517300+030710300N4223292900W096222772001067500080000540F400350370125F8
        SUSAP KSUXK3PR13    RW13 002E       +03332+03332LPV        57911

                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSUXK3SRW13 K3PG                0   18018004425                                                                   M
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QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 1098 THRE: 1093	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	AIRPORT NAME: **SIOUX GATEWAY/COL. BUD DAY FIELD**	**RNAV**	**RNAV (GPS) RWY 13, ORIG-B** 22 AUGUST 2013	AMDT: **ORIG-A**
				DATED: **10/12/2011**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ATLES	ATLES	010		IF		FB					
	ATLES	JOVDU	020	IAF	TF		FB	2.0	053.0(059.0T)	012.0	AA 03500	
	ATLES	VOGYU	030		TF		FB	1.0	039.5(045.5T)	005.0	AA 03500	
	OYENS	OYENS	010		IF		FB					
	OYENS	WAGUX	020	IAF	TF		FB	2.0	237.3(243.3T)	019.4	AA 03500	
	OYENS	VOGYU	030		TF		FB	1.0	219.6(225.6T)	005.0	AA 03500	
	SUX	SUX	010		IF		FB					
	SUX	VOGYU	020		TF		FO	2.0	311.0(317.0T)	016.1	AA 03500	
	SUX	VOGYU	030	IAF	HF	R	FO		129.6(135.6T)	007.0	AA 03500	
		VOGYU	010	FACF	IF		FB				AA 03500	
		YABUR	020	FAF	TF		FB	0.5	129.6(135.6T)	006.8	AA 02500	
		RW13	030	MAP	TF		FO	0.3	129.6(135.6T)	004.2	AT 01147	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		129.6(135.6T)		AA 01293	
	WAVUK	050		DF		FO				AA 03900	
	WAVUK	060		HM	R	FO		309.8(315.8T)	007.0	AA 03900	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SUX	N422040.26	W0961925.12	N4220.671	W09619.419
	ATLES	N422243.80	W0965301.55	N4222.730	W09653.026
	JOVDU	N422854.73	W0963904.96	N4228.912	W09639.083
	OYENS	N424441.87	W0960557.09	N4244.698	W09605.952
	VOGYU	N423224.95	W0963415.49	N4232.416	W09634.258
	WAGUX	N423554.96	W0962925.48	N4235.916	W09629.425
	WAVUK	N421453.49	W0961110.72	N4214.892	W09611.179
	YABUR	N422733.16	W0962749.33	N4227.553	W09627.822
	RW13	N422433.07	W0962351.73	N4224.551	W09623.862

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	01093	54

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 1098 THRE: 1093	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	AIRPORT NAME: SIOUX GATEWAY/COL. BUD DAY FIELD	RNAV	RNAV (GPS) RWY 13, ORIG-B 22 AUGUST 2013	AMDT: ORIG-A
				DATED: 10/12/2011

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
OYENS	OKQEW (FB)	217.21 / 10.79	4400
HURLI	UGHEF (FB)	081.46 / 13.78	3400
OKQEW (IAF)	JMBON (NOPT) (FB)	264.75 / 5.00	3400
UGHEF (IAF)	JMBON (NOPT) (FB)	084.59 / 5.00	3400
JMBON (IF/IAF)	AKJAW (FB)	174.67 / 6.57	2900
AKJAW (FAF)	WEPDA/2.10 NM TO RW17 (FB)	174.67 / 3.33	
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV: RW17

CLIMBING LEFT TURN TO 4400 DIRECT JMBON AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 1252 ELEVATOR 422610N/0962258W
CHART 1361 TOWER 422715N/0962219W.
CHART CIRCLING ICON
WEPDA TO RWY17: 3.30/47

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N JMBON, RT, 174.67 INBOUND, 3400 FT. IN LIEU OF PT (IAF)
3. FAC: 174.67 FAF: AKJAW DIST FAF TO MAP: 5.43 THLD: 5.43
4. MIN. ALT: JMBON 3400, AKJAW 2900, WEPDA/2.10 NM TO RW17 1880
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW17 4400

MAG VAR: 6E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1660	1	562	1660	1	562	1660	1 5/8	562	1660	1 5/8	562			
CIRCLING	1660	1	562	1700	1	602	1700	1 3/4	602	1840	2 1/2	742			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OYENS ON V175 NORTHBOUND AND ARRIVALS AT HURLI ON V159 NORTHWEST BOUND.
(SEE FORM 8260-10)

@ CAT D 800-2 1/2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1098 THRE: 1098 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	SIOUX GATEWAY/COL. BUD DAY FIELD	RNAV	RNAV (GPS) RWY 17, ORIG-B 22 AUGUST 2013	AMDT: ORIG-A DATED 9/29/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WEPDA/2.10 NM TO RW17	RW17 (MAP) (FO)	174.67 / 2.10	
RW17 (MAP)	1498 MSL	174.67	
1498 MSL	JMBON (FO)		4400

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LE MARS ALTIMETER SETTING AND INCREASE ALL MDA 80 FT, INCREASE LNAV CAT C/D AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.
CHART NOTE: RWY 17 STRAIGHT IN AND CIRCLING MINIMUMS NA AT NIGHT.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1098 THRE: 1098	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	AIRPORT NAME: SIOUX GATEWAY/COL. BUD DAY FIELD	RNAV	RNAV (GPS) RWY 17, ORIG-B 22 AUGUST 2013	AMDT: ORIG-A
				DATED: 9/29/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AKJAW K30    W      N42301896W096224976                    E0032    NAR          AKJAW
        SUSAEAENRT   HURLI K30    R    L N42362139W096480874                    E0035    NAR          HURLI
        SUSAEAENRT   JMBON K30    W      N42365321W096224351                    E0032    NAR          JMBON
        SUSAEAENRT   OKQEW K30    W      N42364950W096155725                    E0031    NAR          OKQEW
        SUSAEAENRT   OYENS K30    R    L N42444187W096055709                    E0030    NAR          OYENS
        SUSAEAENRT   UGHEF K30    W      N42365652W096292978                    E0033    NAR          UGHEF
        SUSAEAENRT   WEPDA K30    W      N42265905W096225292                    E0032    NAR          WEPDA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSUXK3ASUX     0     090YHN42240940W096230370E006001098          1800018000C    MNAR    SIOUX GATEWAY/COL. BUD DAY FIE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSUXK3FR17   AHURLI 010HURLIK3EA0E       IF                                                18000                B JS
        SUSAP KSUXK3FR17   AHURLI 020UGHEFK3EA0E  A 020TF                    08150138    + 03400                                B JS
        SUSAP KSUXK3FR17   AHURLI 030JMBONK3EA0EE B 010TF                    08460050    + 03400                                B JS
        SUSAP KSUXK3FR17   AJMBON 010JMBONK3EA0EE AR   HF                   17470040    + 03400     18000                      B JS
        SUSAP KSUXK3FR17   AOYENS 010OYENSK3EA0E       IF                                          18000                      B JS
        SUSAP KSUXK3FR17   AOYENS 020OKQEWK3EA0E  A 020TF                    21720108    + 04400                                B JS
        SUSAP KSUXK3FR17   AOYENS 030JMBONK3EA0EE B 010TF                    26480050    + 03400                                B JS
        SUSAP KSUXK3FR17   R      010JMBONK3EA0E  I    IF                                + 03400     18000                      B JS
        SUSAP KSUXK3FR17   R      020AKJAWK3EA1E  F 051TF                   17470066    + 02900                 RW17  K3PGB JS
        SUSAP KSUXK3FR17   R      020AKJAWK3EA2WN          N          ALNAV                                                    JS
        SUSAP KSUXK3FR17   R      021WEPDAK3EA0EYS  031TF                   17470033    V 0188001885        -330                 B JS
        SUSAP KSUXK3FR17   R      030RW17 K3PG0GY M 031TF                   17470021      01885             -330               B JS
        SUSAP KSUXK3FR17   R      040         0  M     CA                   1747        + 01498                                B JS
        SUSAP KSUXK3FR17   R      050JMBONK3EA0EY       DF                              + 04400                                B JS
        SUSAP KSUXK3FR17   R      060JMBONK3EA0EE  R   HM                   17470040    + 04400                                B JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSUXK3GRW17    0066001747 N42245302W096225489+0000    +03084010980000047150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSUXK3SRW17 K3PG              0   18018004425                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1098 THRE: 1098	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	AIRPORT NAME: SIOUX GATEWAY/COL. BUD DAY FIELD	RNAV	RNAV (GPS) RWY 17, ORIG-B 22 AUGUST 2013	AMDT: ORIG-A DATED: 9/29/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HURLI	HURLI	010		IF		FB					
	HURLI	UGHEF	020	IAF	TF		FB	2.0	081.5(087.5T)	013.8	AA 03400	
	HURLI	JMBON	030		TF		FB	1.0	084.6(090.6T)	005.0	AA 03400	
	JMBON	JMBON	010	IAF	HF	R	FO		174.7(180.7T)	004.0	AA 03400	
	OYENS	OYENS	010		IF		FB					
	OYENS	OKQEW	020	IAF	TF		FB	2.0	217.2(223.2T)	010.8	AA 04400	
	OYENS	JMBON	030		TF		FB	1.0	264.8(270.8T)	005.0	AA 03400	
		JMBON	010	FACF	IF		FB				AA 03400	
		AKJAW	020	FAF	TF		FB	0.5	174.7(180.7T)	006.6	AA 02900	
		WEPDA	021	SDF	TF		FO	0.3	174.7(180.7T)	003.3	AA 01880 GS 01885	
		RW17	030	MAP	TF		FO	0.3	174.7(180.7T)	002.1	AT 01885	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		174.7(180.7T)		AA 01498	
	JMBON	050		DF		FO				AA 04400	
	JMBON	060		HM	R	FO		174.7(180.7T)	004.0	AA 04400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AKJAW	N423018.96	W0962249.76	N4230.316	W09622.829
	HURLI	N423621.39	W0964808.74	N4236.357	W09648.146
	JMBON	N423653.21	W0962243.51	N4236.887	W09622.725
	OKQEW	N423649.50	W0961557.25	N4236.825	W09615.954
	OYENS	N424441.87	W0960557.09	N4244.698	W09605.952
	UGHEF	N423656.52	W0962929.78	N4236.942	W09629.496
	WEPDA	N422659.05	W0962252.92	N4226.984	W09622.882
	RW17	N422453.02	W0962254.89	N4224.884	W09622.915

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	01098	47

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1098 THRE: 1098 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	SIOUX GATEWAY/COL. BUD DAY FIELD	RNAV	RNAV (GPS) RWY 17, ORIG-B 22 AUGUST 2013	AMDT: ORIG-A DATED: 9/29/2011

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CUSHO	USOSE (FB)	239.32 / 16.40	3900
DECKA	ZAGTA (FB)	353.91 / 15.22	3900
SUX VORTAC	WAVUK (FO)	127.33 / 8.41	3900
USOSE (IAF)	WAVUK (NOPT) (FB)	219.87 / 5.00	3900
ZAGTA (IAF)	WAVUK (NOPT) (FB)	039.77 / 5.00	3900
WAVUK (IF/IAF)	TOVUY (FB)	309.82 / 6.55	2900
TOVUY (FAF)	RW31 (MAP) (FO)	309.75 / 5.45	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 3500 DIRECT VOGYU AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE WAVUK, RT, 309.82 INBOUND, 3900 FT. IN LIEU OF PT (IAF)
3. FAC: 309.75 FAF: TOVUY DIST FAF TO MAP: 5.45 THLD: 5.45
4. MIN. ALT: WAVUK 3900, TOVUY 2900
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2900 GS ALT AT: TOVUY 2900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 42.7 34:1 IS CLEAR
8. MSA FROM: RW31 4400

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 129.56 INBOUND.
FAS OBST: 1289 AAO 422118N/0961900W
DISTANCE TO THLD FROM 200 HATH: 0.50 NM.
CHART VDP AT 1.29 MILES TO RW31*
*LNAV ONLY.
WAAS CHANNEL # 90211
REFERENCE PATH ID: W31A
CHART: CIRCLING ICON
LTP HAE: 307.1 M

MAG VAR: 6E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1293	2400	200	1293	2400	200	1293	2400	200	1293	2400	200	1293	2400	200
LNAV/VNAV DA	1593	5000	500	1593	5000	500	1593	5000	500	1593	5000	500	1593	5000	500
LNAV MDA	1560	2400	467	1560	2400	467	1560	5000	467	1560	5000	467	1560	5000	467
CIRCLING	1640	1	542	1700	1	602	1700	1 3/4	602	1840	2 1/2	742	2000	3	902

NOTES:
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LE MARS ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

@ CAT D 800-2 1/2, CAT E 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

4
CHECKED

CITY AND STATE	ELEVATION: 1098 THRE: 1093 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	SIOUX GATEWAY/COL. BUD DAY FIELD	RNAV	RNAV (GPS) RWY 31, ORIG-B 22 AUGUST 2013	AMDT: ORIG-A DATED 05/03/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW31 (MAP)	1293 MSL	309.75	
1293 MSL	VOGYU (FO)		3500

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SUX VORTAC AIRWAY RADIALS 105 CW 150.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LE MARS ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND ALL MDA 80 FEET, INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C/D/E VISIBILITY TO RVR 6000, INCREASE CIRCLING CATS C/D VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV CAT E VISIBILITY TO RVR 4000; INCREASE LNAV/VNAV CAT E AND LNAV CATS C/D/E VISIBILITY TO 1 3/8 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING LE MARS ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500; INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 MILE; INCREASE LNAV CATS C/D/E VISIBILITY TO 1 5/8 MILE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1098 THRE: 1093 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	SIOUX GATEWAY/COL. BUD DAY FIELD	RNAV	RNAV (GPS) RWY 31, ORIG-B 22 AUGUST 2013	AMDT: ORIG-A DATED: 05/03/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSUX
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	422329.4490N
LTP/FTP LONGITUDE	0962227.9195W
LTP/FTP ELLIPSOIDAL HEIGHT	+03071
FPAP LATITUDE	422436.0800N
FPAP LONGITUDE	0962355.7000W
THRESHOLD CROSSING HEIGHT (TCH)	00042.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0128
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D378E938

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03333
FPAP ORTHOMETRIC HEIGHT	+03333

QUALITY 4 CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAD        SUX   K3011650VTLA N42204026W096192512    N42204026W096192512E0090010871     NARSIOUX CITY

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CUSHO K30    C   L N42251539W095461542                E0027     NAR           CUSHO
        SUSAEAENRT   DECKA K30    C   L N41561045W096155817                E0031     NAR           DECKA
        SUSAEAENRT   TOVUY K30    W     N42193517W096171986                E0031     NAR           TOVUY
        SUSAEAENRT   USOSE K30    W     N42182254W096062077                E0030     NAR           USOSE
        SUSAEAENRT   VOGYU K30    W     N42322495W096341549                E0033     NAR           VOGYU
        SUSAEAENRT   WAVUK K30    W     N42145349W096111072                E0031     NAR           WAVUK
        SUSAEAENRT   ZAGTA K30    W     N42112423W096160014                E0031     NAR           ZAGTA

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSUXK3ASUX     0     090YHN42240940W096230370E006001098         1800018000C    MNAR    SIOUX GATEWAY/COL. BUD DAY FIE

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSUXK3FR31   ACUSHO 010CUSHOK3EA0E       IF                                          18000                A JS
        SUSAP KSUXK3FR31   ACUSHO 020USOSEK3EA0E  A 020TF                 23930164    + 03900                          A JS
        SUSAP KSUXK3FR31   ACUSHO 030WAVUKK3EA0EE B 010TF                 21990050    + 03900                          A JS
        SUSAP KSUXK3FR31   ADECKA 010DECKAK3EA0E       IF                                          18000                A JS
        SUSAP KSUXK3FR31   ADECKA 020ZAGTAK3EA0E  A 020TF                 35390152    + 03900                          A JS
        SUSAP KSUXK3FR31   ADECKA 030WAVUKK3EA0EE B 010TF                 03980050    + 03900                          A JS
        SUSAP KSUXK3FR31   ASUX   010SUX  K3D 0V       IF                                          18000                A JS
        SUSAP KSUXK3FR31   ASUX   020WAVUKK3EA0EY   020TF                 12730084    + 03900                          A JS
        SUSAP KSUXK3FR31   ASUX   030WAVUKK3EA0EE AR   HF                 30980070    + 03900                          A JS
        SUSAP KSUXK3FR31   R      010WAVUKK3EA0E  I    IF                             + 03900     18000                A JS
        SUSAP KSUXK3FR31   R      020TOVUYK3EA1E  F 051TF                 30980066    + 02900                RW31  K3PGA JS
        SUSAP KSUXK3FR31   R      020TOVUYK3EA2WALPV       ALNAV/VNAV ALNAV                                            JS
        SUSAP KSUXK3FR31   R      030RW31 K3PGOGY M 031TF                 30980055      01136          -300           A JS
        SUSAP KSUXK3FR31   R      040         0  M     CA                 3098        + 01293                          A JS
        SUSAP KSUXK3FR31   R      050VOGYUK3EA0EY      DF                             + 03500                          A JS
        SUSAP KSUXK3FR31   R      060VOGYUK3EA0EE  R   HM                 12960070    + 03500                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 1098 THRE: 1093	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	AIRPORT NAME: **SIOUX GATEWAY/COL. BUD DAY FIELD**	**RNAV**	**RNAV (GPS) RWY 31, ORIG-B** 22 AUGUST 2013	AMDT: **ORIG-A**
				DATED: **05/03/2012**

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SUSAP KSUXK3GRW31     0090023097 N42232945W096222792+0000     +03071010930000431501

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSUXK3PR31    RW31 001 0000W31A0N4223294490W09622279195+030710300N4224360800W096235570001067501280000427F400350D378E938
          SUSAP KSUXK3PR31    RW31 002E      +03332+03333LPV        90211

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSUXK3SRW31 K3PG               0   18018004425                                                                M
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QUALITY A CHECKED

CITY AND STATE	ELEVATION: **1098** THRE: **1093**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	AIRPORT NAME: **SIOUX GATEWAY/COL. BUD DAY FIELD**	**RNAV**	**RNAV (GPS) RWY 31, ORIG-B** 22 AUGUST 2013	AMDT: **ORIG-A**
				DATED: **05/03/2012**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CUSHO	CUSHO	010		IF		FB					
	CUSHO	USOSE	020	IAF	TF		FB	2.0	239.3(245.3T)	016.4	AA 03900	
	CUSHO	WAVUK	030		TF		FB	1.0	219.9(225.9T)	005.0	AA 03900	
	DECKA	DECKA	010		IF		FB					
	DECKA	ZAGTA	020	IAF	TF		FB	2.0	353.9(359.9T)	015.2	AA 03900	
	DECKA	WAVUK	030		TF		FB	1.0	039.8(045.8T)	005.0	AA 03900	
	SUX	SUX	010		IF		FB					
	SUX	WAVUK	020		TF		FO	2.0	127.3(133.3T)	008.4	AA 03900	
	SUX	WAVUK	030	IAF	HF	R	FO		309.8(315.8T)	007.0	AA 03900	
		WAVUK	010	FACF	IF		FB				AA 03900	
		TOVUY	020	FAF	TF		FB	0.5	309.8(315.8T)	006.6	AA 02900	
		RW31	030	MAP	TF		FO	0.3	309.8(315.8T)	005.5	AT 01136	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		309.8(315.8T)		AA 01293	
	VOGYU	050		DF		FO				AA 03500	
	VOGYU	060		HM	R	FO		129.6(135.6T)	007.0	AA 03500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SUX	N422040.26	W0961925.12	N4220.671	W09619.419
	CUSHO	N422515.39	W0954615.42	N4225.257	W09546.257
	DECKA	N415610.45	W0961558.17	N4156.174	W09615.970
	TOVUY	N421935.17	W0961719.86	N4219.586	W09617.331
	USOSE	N421822.54	W0960620.77	N4218.376	W09606.346
	VOGYU	N423224.95	W0963415.49	N4232.416	W09634.258
	WAVUK	N421453.49	W0961110.72	N4214.892	W09611.179
	ZAGTA	N421124.23	W0961600.14	N4211.404	W09616.002
	RW31	N422329.45	W0962227.92	N4223.491	W09622.465

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	01093	43



CITY AND STATE	ELEVATION: 1098 THRE: 1093	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SIOUX CITY, IA	AIRPORT NAME: **SIOUX GATEWAY/COL. BUD DAY FIELD**	**RNAV**	**RNAV (GPS) RWY 31, ORIG-B** 22 AUGUST 2013	AMDT: **ORIG-A**
				DATED: **05/03/2012**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CANEK	GONSE (FB)	340.78 / 6.50	7800
GONSE (IAF)	IRUSE (FB)	281.84 / 4.96	6800
IRUSE (IF)	EMIME (FB)	280.36 / 2.00	6300
EMIME	ZIXIP (FB)	280.32 / 2.00	6000
ZIXIP (FAF)	WIDOP/6.20 NM TO RW28R (FB)	280.30 / 3.45	
WIDOP/6.20 NM TO RW28R	RW28R (MAP) (FO)	280.30 / 6.20	
RW28R (MAP)	3121 MSL	280.30	
3121 MSL	ATTOL (FO)		6000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW28R

CLIMB TO 6000 DIRECT ATTOL AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 099.97 INBOUND.
FAS OBST: 3393 AAO 433131N/1160513W
3809 AAO 433015N/1160427W
4440 AAO 433020N/11600365W
CHART VDP AT 2.43 MILES TO RW28R*
*LNAV ONLY.
WAAS CHANNEL # 65803
REFERENCE PATH ID: W28B
DISTANCE TO THLD FROM 250 HATH: 0.61NM
LTP HAE: 858.5 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT IRUSE
3. FAC: 280.30 FAF: ZIXIP DIST FAF TO MAP: 9.65 THLD: 9.65
4. MIN. ALT: IRUSE 6800, EMIME 6300, ZIXIP 6000, WIDOP/6.20 NM TO RW28R 4900*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 6000 GS ALT AT: ZIXIP 6000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 56.3 34:1 IS CLEAR
8. MSA FROM: RW28R 9400

MAG VAR: 15E EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ____ @ ____

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3121	4000	250	3121	4000	250	3121	4000	250	3121	4000	250			
LNAV/VNAV DA	3199	5000	328	3199	5000	328	3199	5000	328	3199	5000	328			
LNAV MDA	3700	5500	829	3700	6000	829	3700	2 1/2	829	3700	2 1/2	829			
CIRCLING	3700	1 1/4	829	3700	1 1/4	829	3700	2 1/2	829	3700	2 3/4	829			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 43C (109F).
CHART NOTE: CIRCLING NA N OF RWY 10L-28R.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

@ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 2871 THRE: 2871 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BOISE, ID	BOISE AIR TERMINAL/GOWEN FLD	RNAV	RNAV (GPS) Y RWY 28R, AMDT 4A 22 AUGUST 2013	AMDT: 4 DATED 03/07/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CANEK ON V4-253-330 SOUTHEAST BOUND.
*LNAV ONLY

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 2871 THRE: 2871	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BOISE, ID	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD	RNAV	RNAV (GPS) Y RWY 28R, AMDT 4A 22 AUGUST 2013	AMDT: 4
				DATED: 03/07/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBOI
RUNWAY	RW28R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28B
LTP/FTP LATITUDE	433330.7950N
LTP/FTP LONGITUDE	1161209.9530W
LTP/FTP ELLIPSOIDAL HEIGHT	+08585
FPAP LATITUDE	433412.7560N
FPAP LONGITUDE	1161412.8815W
THRESHOLD CROSSING HEIGHT (TCH)	00056.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	BB86EEFE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+08752
FPAP ORTHOMETRIC HEIGHT	+08752

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 2871 THRE: 2871	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BOISE, ID	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD	RNAV	RNAV (GPS) Y RWY 28R, AMDT 4A 22 AUGUST 2013	AMDT: 4
				DATED: 03/07/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ATTOL K10    C      N43385731W116281086                    E0139     NAR           ATTOL
        SUSAEAENRT   CANEK K10    C    L N43185788W115482806                    E0137     NAR           CANEK
        SUSAEAENRT   EMIME K10    W      N43283269W115574108                    E0138     NAR           EMIME
        SUSAEAENRT   GONSE K10    W      N43252705W115490744                    E0137     NAR           GONSE
        SUSAEAENRT   IRUSE K10    W      N43274131W115551215                    E0137     NAR           IRUSE
        SUSAEAENRT   WIDOP K10    C      N43305236W116042722                    E0138     NAR           WIDOP
        SUSAEAENRT   ZIXIP K10    C      N43292408W116001033                    E0138     NAR           ZIXIP

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBOIK1ABOI     0     100YHN43335170W116132230E015002871          1800018000C    MNAR     BOISE AIR TERMINAL/GOWEN FLD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBOIK1FR28RY ACANEK 010CANEKK1EA0E       IF                                                18000                A JS
        SUSAP KBOIK1FR28RY ACANEK 020GONSEK1EA0E  A 020TF                      34080065    + 07800                                A JS
        SUSAP KBOIK1FR28RY ACANEK 030IRUSEK1EA0EE B 010TF                      28180050    + 06800                                A JS
        SUSAP KBOIK1FR28RY R      010IRUSEK1EA0E  I    IF                                 + 06800      18000                     A JS
        SUSAP KBOIK1FR28RY R      011EMIMEK1EA0E S  051TF                      28040020    + 06300                                A JS
        SUSAP KBOIK1FR28RY R      020ZIXIPK1EA1E  F 051TF                      28030020    + 06000                    RW28R K1PGA JS
        SUSAP KBOIK1FR28RY R      020ZIXIPK1EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
        SUSAP KBOIK1FR28RY R      021WIDOPK1EA0E S  031TF                      28030035    V 0490004901        -300              A JS
        SUSAP KBOIK1FR28RY R      030RW28RK1PG0GY M 031TF                      28030062      02928             -300              A JS
        SUSAP KBOIK1FR28RY R      040         0  M     CA                      2803        + 03121                                A JS
        SUSAP KBOIK1FR28RY R      050ATTOLK1EA0EY      DF                                 + 06000                                A JS
        SUSAP KBOIK1FR28RY R      060ATTOLK1EA0EE  R   HM                      10000050    + 06000                                A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBOIK1GRW28R   0100002802 N43333080W116120995-0400    +0858502871000056150I

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBOIK1PR28RY RW28R001Y0000W28B0N4333307950W11612099530+085850300N4334127560W1161412881510675000000563F400500BB86EEFE
        SUSAP KBOIK1PR28RY RW28R002E      +08752+08752LPV       65803

                1         2         3         4         5         6         7         8         9         0         1         2         3
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 2871 THRE: 2871	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BOISE, ID	AIRPORT NAME: **BOISE AIR TERMINAL/GOWEN FLD**	**RNAV**	**RNAV (GPS) Y RWY 28R, AMDT 4A** 22 AUGUST 2013	AMDT: **4**
				DATED: **03/07/2013**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBOIK1SRW28RK1PG              0   18018009425                                                                      M
```

QUALITY 4

CITY AND STATE	ELEVATION: 2871 THRE: 2871	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BOISE, ID	AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD	RNAV	RNAV (GPS) Y RWY 28R, AMDT 4A 22 AUGUST 2013	AMDT: 4 DATED: 03/07/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CANEK	CANEK	010		IF		FB					
	CANEK	GONSE	020	IAF	TF		FB	2.0	340.8(355.8T)	006.5	AA 07800	
	CANEK	IRUSE	030		TF		FB	1.0	281.8(296.8T)	005.0	AA 06800	
		IRUSE	010	FACF	IF		FB				AA 06800	
		EMIME	011	SDF	TF		FB	0.5	280.4(295.4T)	002.0	AA 06300	
		ZIXIP	020	FAF	TF		FB	0.5	280.3(295.3T)	002.0	AA 06000	
		WIDOP	021	SDF	TF		FB	0.3	280.3(295.3T)	003.5	AA 04900 GS 04901	
		RW28R	030	MAP	TF		FO	0.3	280.3(295.3T)	006.2	AT 02928	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		280.3(295.3T)		AA 03121	
	ATTOL	050		DF		FO				AA 06000	
	ATTOL	060		HM	R	FO		100.0(115.0T)	005.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATTOL	N433857.31	W1162810.86	N4338.955	W11628.181
	CANEK	N431857.88	W1154828.06	N4318.965	W11548.468
	EMIME	N432832.69	W1155741.08	N4328.545	W11557.685
	GONSE	N432527.05	W1154907.44	N4325.451	W11549.124
	IRUSE	N432741.31	W1155512.15	N4327.689	W11555.203
	WIDOP	N433052.36	W1160427.22	N4330.873	W11604.454
	ZIXIP	N432924.08	W1160010.33	N4329.401	W11600.172
	RW28R	N433330.80	W1161209.95	N4333.513	W11612.166

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28R	02871	56

QUALITY 4

CITY AND STATE	ELEVATION: 2871 THRE: 2871 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BOISE, ID	BOISE AIR TERMINAL/GOWEN FLD	RNAV	RNAV (GPS) Y RWY 28R, AMDT 4A 22 AUGUST 2013	AMDT: 4 DATED: 03/07/2013

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MELLR	TWO	MELLR2.MELLR	ONE	5 JUN 02	22 AUGUST 2013

TYPE: RNAV OBSTACLE

DP ROUTE DESCRIPTION:

TAKEOFF RWY 25: CLIMB ON HEADING 256.61 TO 3814 THEN DIRECT FIDIT, THEN ON DEPICTED ROUTE TO MELLR, MAINTAIN 7,400 OR ASSIGNED ALTITUDE, AIRCRAFT SOUTHEAST BOUND ON V253 CONTINUE CLIMB IN MELLR HOLDING PATTERN (NW, LT, 149.67 INBOUND) TO MEA BEFORE PROCEEDING ENROUTE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS: RWY 07, NA - OBSTACLES.
RWY 25 STANDARD.

NOTE: GPS REQUIRED
NOTE: RNAV-1

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 25, POLE 60 FT FROM DER, 160 FT RIGHT OF CENTERLINE, 13 FT AGL/3291 FT MSL. TREE 278 FT FROM DER, 487 FT LEFT OF CENTERLINE, 50 FT AGL/3329 FT MSL. MULTIPLE BUILDINGS BEGINNING 291 FT FROM DER, 459 FT RIGHT OF CENTERLINE, UP TO 25 FT AGL/3304 FT MSL. VEHICLES ON ROAD BEGINNING 238 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/3294 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 25: 6323 FT MSL AAO 455145.00N-1160724.30W

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: HOLDING PATTERN AT MELLR, HOLD NW, LT, 149.67 INBOUND
DME/DME ASSESSMENT: NOT CONDUCTED.
REFERENCE MAG VAR: KGIC 14E EPOCH YR: 2015



U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MELLR	TWO	MELLR2.MELLR	ONE	5 JUN 02	22 AUGUST 2013

AIRPORTS SERVED:

IDAHO COUNTY, GRANGEVILLE, ID

COMMUNICATIONS:

ZSE ARTCC

FIXES AND/OR NAVAIDS:

RIDIH, REV 3.

REMARKS:

QUALITY 3 CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MELLR	TWO	MELLR2.MELLR	ONE	5 JUN 02	22 AUGUST 2013

FLIGHT INSPECTED BY:
Joel Hawkley 6/18/13

REQUIRED EFFECTIVE DATE:
ROUTINE

DEVELOPED BY:
PETE GETZ
(JARED WINGO) AJV-354 3/27/2013

APPROVED BY:
DEBORAH COPELAND AJV-354 3/27/2013

COORDINATED WITH:
ALPA, AOPA, NBAA, AMGR, ZSE ARTCC JUN 25 2013

CHANGES:

1. KGIC APT MAGVAR UPDATED FROM 17E TO 14E
2. RELOCATION OF FIDIT.
3. RELOCATION OF RIDIH.

REASONS:

1. PER FPT REQUEST/CHECKLIST.
2. GEODETIC CALCULATION
3. DUE TO EVALUATION OF RNAV (GPS) RWY 7, AMDT 1.

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MELLR	TWO	MELLR2.MELLR	ONE	5 JUN 02	22 AUGUST 2013

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW25 (AER)	455632.96N-1160648.21W	N	-	-	-	-			
3814 MSL				VA	270.61	3.84			
FIDIT	455635.32N-1161218.32W	Y	FB	DF		-			
RIDIH	455640.70N-1162605.81W	Y	FB	TF	270.62	9.62			
MELLR	460830.03N-1164606.25W	Y	FB	TF	310.44	18.28			

QUALITY 3

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MELLR	TWO	MELLR2.MELLR	ONE	5 JUN 02	22 AUGUST 2013

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   FIDIT K10    W     N45563532W116121832                    E0144     NAR           FIDIT
         SUSAEAENRT   MELLR K10    C   L N46083003W116460625                    E0146     NAR           MELLR
         SUSAEAENRT   RIDIH K10    W     N45564070W116260581                    E0145     NAR           RIDIH

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KGICK1AGIC     0     051YHN45563320W116072430E014003314         1800018000C    MNAR    IDAHO COUNTY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KGICK1DMELLR24RW25  010         0        VA                    2566        + 03814     18000
         SUSAP KGICK1DMELLR24RW25  020FIDITK1EA0E    010DF
         SUSAP KGICK1DMELLR24RW25  030RIDIHK1EA0E    010TF
         SUSAP KGICK1DMELLR24RW25  040MELLRK1EA0EE H 010TF

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KGICK1GRW25    0051012566 N45563296W116064821-0500    +09932033120000500755R
```

QUALITY Quality

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MELLR	TWO	MELLR2.MELLR	ONE	5 JUN 02	22 AUGUST 2013

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW25		010		VA		FB		256.6()		AA 03814	
	RW25	FIDIT	020		DF		FB	1.0				
	RW25	RIDIH	030		TF		FB	1.0				
	RW25	MELLR	040		TF		FB	1.0				

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FIDIT	N455635.32	W1161218.32	N4556.589	W11612.305
	MELLR	N460830.03	W1164606.25	N4608.501	W11646.104
	RIDIH	N455640.70	W1162605.81	N4556.678	W11626.097
	RW25	N455632.96	W1160648.21	N4556.549	W11606.804

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25	03312	50

QUALITY CHECKED 4

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZATIP	AWOYO (FB)	146.86 / 10.03	9500
FERDI	AWOYO (FB)	199.87 / 6.00	9500
AWOYO (IAF)	RIDIH (FB)	161.49 / 7.16	7400
OXLEY (IAF)	RIDIH (FB)	061.14 / 10.10	7400
ZOSNO (IAF)	RIDIH (FB)	031.36 / 11.49	7400
RIDIH (IF)	IDAGY (FB)	076.50 / 6.00	5800
IDAGY (FAF)	RW07 (MAP) (FO)	076.49 / 6.64	
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV: RW07

CLIMBING LEFT TURN TO 7300 DIRECT FERDI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7300.

ADDITIONAL FLIGHT DATA:
HOLD W, LT, 109.87 INBOUND.
FAS OBST: 3539 AAO 455704N/1161338W
3639 AAO 455525N/1161756W
CHART CIRCLING ICON.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT RIDIH
3. FAC: 076.49 FAF: IDAGY DIST FAF TO MAP: 6.64 THLD: 6.64
4. MIN. ALT: RIDIH 7400, IDAGY 5800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW07 10100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	3900	1	613	3900	1	613	3900	1 3/4	613	3900	1 3/4	613			
CIRCLING	3900	1	586	3900	1	586	3900	1 3/4	586	3900	2	586			

NOTES:
CHART NOTE: CIRCLING NA S OF RWY 07-25.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: DESCENT ANGLE NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LEWISTON ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3314 THRE: 3287	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
GRANGEVILLE, ID	AIRPORT NAME: IDAHO COUNTY	RNAV	RNAV (GPS) RWY 7, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED 03/12/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW07 (MAP)	3714 MSL	076.49	
3714 MSL	FERDI (FO)		7300

NOTES, (CONT.):
ALL MDA 860 FEET. INCREASE LNAV AND CIRCLING CAT A VISIBILITY 1/4 MILE, LNAV AND CIRCLING CAT B VISIBILITY 1/2 MILE, LNAV CAT C/D VISIBILITY 1 1/4 MILE, CIRCLING CAT C VISIBILITY 1 1/4 MILE AND CIRCLING CAT D VISIBILITY 1 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 3314 THRE: 3287	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
GRANGEVILLE, ID	AIRPORT NAME: IDAHO COUNTY	RNAV	RNAV (GPS) RWY 7, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 03/12/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   AWOYO K1O    W     N46034897W116265425                E0145    NAR          AWOYO
          SUSAEAENRT   FERDI K1O    C   L N46084789W116220612                E0145    NAR          FERDI
          SUSAEAENRT   IDAGY K1O    W     N45563725W116172994                E0144    NAR          IDAGY
          SUSAEAENRT   OXLEY K1O    C   L N45540611W116400545                E0145    NAR          OXLEY
          SUSAEAENRT   RIDIH K1O    W     N45564070W116260581                E0145    NAR          RIDIH
          SUSAEAENRT   ZATIP K1O    C   L N46131748W116313757                E0145    NAR          ZATIP
          SUSAEAENRT   ZOSNO K1O    C   L N45483691W116374892                E0145    NAR          ZOSNO

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KGICK1AGIC     0     051YHN45563320W116072430E014003314          1800018000C    MNAR    IDAHO COUNTY

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KGICK1FR07   AFERDI 010FERDIK1EA0E       IF                                          18000                B JS
          SUSAP KGICK1FR07   AFERDI 020AWOYOK1EA0E  A 020TF                    19990060    + 09500                      B JS
          SUSAP KGICK1FR07   AFERDI 030RIDIHK1EA0EE B 010TF                    16150072    + 07400                      B JS
          SUSAP KGICK1FR07   AOXLEY 010OXLEYK1EA0E  A    IF                                          18000                B JS
          SUSAP KGICK1FR07   AOXLEY 020RIDIHK1EA0EE B 010TF                    06110101    + 07400                      B JS
          SUSAP KGICK1FR07   AZATIP 010ZATIPK1EA0E       IF                                          18000                B JS
          SUSAP KGICK1FR07   AZATIP 020AWOYOK1EA0E  A 020TF                    14690100    + 09500                      B JS
          SUSAP KGICK1FR07   AZATIP 030RIDIHK1EA0EE B 010TF                    16150072    + 07400                      B JS
          SUSAP KGICK1FR07   AZOSNO 010ZOSNOK1EA0E  A    IF                                          18000                B JS
          SUSAP KGICK1FR07   AZOSNO 020RIDIHK1EA0EE B 010TF                    03140115    + 07400                      B JS
          SUSAP KGICK1FR07   R      010RIDIHK1EA0E  I    IF                                + 07400   18000              B JS
          SUSAP KGICK1FR07   R      020IDAGYK1EA1E  F 051TF                    07650060    + 05800             RW07  K1PGB JS
          SUSAP KGICK1FR07   R      020IDAGYK1EA2WN          N          ALNAV                                            JS
          SUSAP KGICK1FR07   R      030RW07 K1PG0GY M 031TF                    07650066      03900         000          B JS
          SUSAP KGICK1FR07   R      040         0  M     CA                    0765        + 03714                      B JS
          SUSAP KGICK1FR07   R      050FERDIK1EA0EY  L   DF                                + 07300                      B JS
          SUSAP KGICK1FR07   R      060FERDIK1EA0EE  L   HM                    10990070    + 07300                      B JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KGICK1GRW07    0051010766 N45563348W116075897+0500    +09855032870100450 75R

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3314 THRE: 3287	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
GRANGEVILLE, ID	AIRPORT NAME: IDAHO COUNTY	RNAV	RNAV (GPS) RWY 7, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 03/12/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
SUSAP KGICK1SRW07 K1PG          0   18018010125                                    M
```

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 3314 THRE: 3287	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
GRANGEVILLE, ID	AIRPORT NAME: IDAHO COUNTY	RNAV	RNAV (GPS) RWY 7, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 03/12/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FERDI	FERDI	010		IF		FB					
	FERDI	AWOYO	020	IAF	TF		FB	2.0	199.9(213.9T)	006.0	AA 09500	
	FERDI	RIDIH	030		TF		FB	1.0	161.5(175.5T)	007.2	AA 07400	
	OXLEY	OXLEY	010	IAF	IF		FB					
	OXLEY	RIDIH	020		TF		FB	1.0	061.1(075.1T)	010.1	AA 07400	
	ZATIP	ZATIP	010		IF		FB					
	ZATIP	AWOYO	020	IAF	TF		FB	2.0	146.9(160.9T)	010.0	AA 09500	
	ZATIP	RIDIH	030		TF		FB	1.0	161.5(175.5T)	007.2	AA 07400	
	ZOSNO	ZOSNO	010	IAF	IF		FB					
	ZOSNO	RIDIH	020		TF		FB	1.0	031.4(045.4T)	011.5	AA 07400	
		RIDIH	010	FACF	IF		FB				AA 07400	
		IDAGY	020	FAF	TF		FB	0.5	076.5(090.5T)	006.0	AA 05800	
		RW07	030	MAP	TF		FO	0.3	076.5(090.5T)	006.6	AT 03900	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		076.5(090.5T)		AA 03714	
	FERDI	050		DF	L	FO				AA 07300	
	FERDI	060		HM	L	FO		109.9(123.9T)	007.0	AA 07300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AWOYO	N460348.97	W1162654.25	N4603.816	W11626.904
	FERDI	N460847.89	W1162206.12	N4608.798	W11622.102
	IDAGY	N455637.25	W1161729.94	N4556.621	W11617.499
	OXLEY	N455406.11	W1164005.45	N4554.102	W11640.091
	RIDIH	N455640.70	W1162605.81	N4556.678	W11626.097
	ZATIP	N461317.48	W1163137.57	N4613.291	W11631.626
	ZOSNO	N454836.91	W1163748.92	N4548.615	W11637.815
	RW07	N455633.48	W1160758.97	N4556.558	W11607.983

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW07	03287	00

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3314 THRE: 3287	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
GRANGEVILLE, ID	AIRPORT NAME: **IDAHO COUNTY**	**RNAV**	**RNAV (GPS) RWY 7, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **03/12/2009**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FERDI	ZILRA (FB)	068.44 / 15.38	8500
ZILRA (IAF)	RAIRE (FB)	123.06 / 10.88	6200
RAIRE (IF)	VEZAM (FB)	211.81 / 6.26	6200
VEZAM (FAF)	UYINA (MAP) (FO)	240.91 / 7.28	
UYINA (MAP)	3714 MSL	240.91	
3714 MSL	WEDMU (FO)		
WEDMU	GEGYE (FB)	298.54 / 7.69	
GEGYE	FERDI (FO)	338.44 / 8.35	7300

MISSED APPROACH

LNAV: UYINA

CLIMB TO 7300 DIRECT WEDMU AND ON TRACK 298.54 TO GEGYE AND ON TRACK 338.44 TO FERDI AND HOLD, CONTINUE CLIMB-IN -HOLD TO 7300.

ADDITIONAL FLIGHT DATA:
HOLD W, LT, 109.87 INBOUND.
CHART FAS OBST: 3569 TREE 455650N/1160233W
CHART VDP AT 1.55 MILES TO UYINA.
CHART CIRCLING ICON
VEZAM TO RW25: 3.43/50
FAC CROSSES RWY C/L EXTENDED 3249 FROM THLD.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 15.70 DEGREES

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILE S OF ____ (IAF)
2. PROFILE STARTS AT RAIRE
3. FAC: 240.91 FAF: VEZAM DIST FAF TO MAP: 7.28 THLD: 7.80
4. MIN. ALT: RAIRE 6200, VEZAM 6200
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM: UYINA 10100

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	4120	1	808	4120	1 1/4	808	4120	2 1/2	808	4120	2 1/2	808			
CIRCLING	4120	1	806	4120	1 1/4	806	4120	2 1/2	806	4120	2 1/2	806			

NOTES:
CHART NOTE: CIRCLING NA S OF RWY 7-25.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VDP NA WITH LEWISTON ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LEWISTON ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10)

@ CAT A, B 900-2, CAT C, D 900-2 1/2

CITY AND STATE	ELEVATION: 3314 THRE: 3312 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
GRANGEVILLE, ID	IDAHO COUNTY	RNAV	RNAV (GPS) RWY 25, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 03/12/2009

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
ALL MDA 860 FEET. INCREASE LNAV AND CIRCLING CAT A/B VISIBILITY 1/4 MILE AND LNAV AND CIRCLING CAT C/D VISIBILITY 1/2 MILE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 3314 THRE: 3312	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
GRANGEVILLE, ID	AIRPORT NAME: **IDAHO COUNTY**	**RNAV**	**RNAV (GPS) RWY 25, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **03/12/2009**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FERDI K10    C   L N46084789W116220612                    E0145     NAR           FERDI
        SUSAEAENRT   GEGYE K10    W     N46003169W116203140                    E0144     NAR           GEGYE
        SUSAEAENRT   RAIRE K10    W     N46024883W115493122                    E0143     NAR           RAIRE
        SUSAEAENRT   UYINA K10    W     N45563261W116060224                    E0143     NAR           UYINA
        SUSAEAENRT   VEZAM K10    W     N45582683W115555753                    E0143     NAR           VEZAM
        SUSAEAENRT   WEDMU K10    W     N45552003W116122360                    E0144     NAR           WEDMU
        SUSAEAENRT   ZILRA K10    W     N46104715W116000973                    E0144     NAR           ZILRA

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGICK1AGIC     0     051YHN45563320W116072430E014003314         1800018000C    MNAR    IDAHO COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGICK1FR25   AFERDI 010FERDIK1EA0E       IF                                                 18000                B JS
        SUSAP KGICK1FR25   AFERDI 020ZILRAK1EA0E  A 020TF                      06840154     + 08500                              B JS
        SUSAP KGICK1FR25   AFERDI 030RAIREK1EA0EE B 010TF                      12310109     + 06200                              B JS
        SUSAP KGICK1FR25   R       010RAIREK1EA0E  I    IF                                 + 06200     18000                    B JS
        SUSAP KGICK1FR25   R       020VEZAMK1EA1E  F 051TF                    21180063     + 06200                 UYINA K1EAB JS
        SUSAP KGICK1FR25   R       020VEZAMK1EA2WN          N          ALNAV                                                    JS
        SUSAP KGICK1FR25   R       030UYINAK1EA0EY M 031TF                    24090073       03556          -343               B JS
        SUSAP KGICK1FR25   R       040         0  M     CA                    2409         + 03714                              B JS
        SUSAP KGICK1FR25   R       050WEDMUK1EA0EY      DF                                                                     B JS
        SUSAP KGICK1FR25   R       060GEGYEK1EA0E    010TF                    2985                                              B JS
        SUSAP KGICK1FR25   R       070FERDIK1EA0EY   010TF                    3384         + 07300                              B JS
        SUSAP KGICK1FR25   R       080FERDIK1EA0EE  L   HM                    10990070     + 07300                              B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGICK1GRW25    0051012566 N45563296W116064821-0500    +09932033120000050075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGICK1SUYINAK1EA              0   18018010125                                                                      M
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CITY AND STATE	ELEVATION: 3314 THRE: 3312	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
GRANGEVILLE, ID	AIRPORT NAME: IDAHO COUNTY	RNAV	RNAV (GPS) RWY 25, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 03/12/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FERDI	FERDI	010		IF		FB					
	FERDI	ZILRA	020	IAF	TF		FB	2.0	068.4(082.4T)	015.4	AA 08500	
	FERDI	RAIRE	030		TF		FB	1.0	123.1(137.1T)	010.9	AA 06200	
		RAIRE	010	FACF	IF		FB				AA 06200	
		VEZAM	020	FAF	TF		FB	0.5	211.8(225.8T)	006.3	AA 06200	
		UYINA	030	MAP	TF		FO	0.3	240.9(254.9T)	007.3	AT 03556	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		240.9(254.9T)		AA 03714	
	WEDMU	050		DF		FO					
	GEGYE	060		TF		FB	1.0	298.5(312.5T)			
	FERDI	070		TF		FO	1.0	338.4(352.4T)		AA 07300	
	FERDI	080		HM	L	FO		109.9(123.9T)	007.0	AA 07300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FERDI	N460847.89	W1162206.12	N4608.798	W11622.102
	GEGYE	N460031.69	W1162031.40	N4600.528	W11620.523
	RAIRE	N460248.83	W1154931.22	N4602.814	W11549.520
	UYINA	N455632.61	W1160602.24	N4556.544	W11606.037
	VEZAM	N455826.83	W1155557.53	N4558.447	W11555.959
	WEDMU	N455520.03	W1161223.60	N4555.334	W11612.393
	ZILRA	N461047.15	W1160009.73	N4610.786	W11600.162
	RW25	N455632.96	W1160648.21	N4556.549	W11606.804

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25	03312	50



CITY AND STATE	ELEVATION: 3314 THRE: 3312	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
GRANGEVILLE, ID	AIRPORT NAME: IDAHO COUNTY	RNAV	RNAV (GPS) RWY 25, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 03/12/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DRYAD INT/TWF 28.91 DME	WODEN INT/TWF 13.00 DME	292.08 / 15.91 (TWF R-112)	9700
MALTT INT	GABBY INT/TWF 17.01 DME	253.10 / 17.48 (TWF R-073)	7400
ROGET/TWF 13.00 DME CCW (IAF)	WODEN INT/TWF 13.00 DME (NOPT)	13.00 DME ARC	8900
WODEN INT/TWF 13.00 DME CCW (IAF)	UJSON/TWF 13.00 DME (NOPT)	13.00 DME ARC	8200
TOXEE INT/TWF 13.00 DME CW (IAF)	SOREE INT/TWF 13.00 DME (NOPT)	13.00 DME ARC (TWF LR-064)	7000
UJSON/TWF 13.00 DME CCW	SOREE INT/TWF 13.00 DME	13.00 DME ARC (TWF LR-082)	7000
(SEE FORM 8260-10)			

MISSED APPROACH

ILS: DA
LOC: 5.18 MILES AFTER STRIK LOM/TWF 6.00 DME OR AT TWF 0.82 DME FIX

CLIMB TO 4700 THEN CLIMBING RIGHT TURN TO 7000 ON HEADING 020 AND TWF VORTAC R-349 TO TOXEE INT/TWF 13.00 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 4700 THEN CLIMBING RIGHT TURN TO 6000 DIRECT STRIK LOM/TWF 6.00 DME AND HOLD (ADF REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 169.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E STRIK LOM/TWF 6.00 DME, RT, 258.32 INBOUND.
CHART FAS OBST: 4209 TREE 422844N/1142803W
OBST: 4339 AAO 422812N/1142145W
CHART TWF R-093 AT UJSON.
CHART TWF R-349 AT TOXEE.
CHART TWF R-138 AT ROGET.
CHART TWF R-112 AT WODEN.
CHART CIRCLING ICON.

1. PT ___ SIDE OF COURSE ___ OUTBOUND ___ FT WITHIN ___ MILES OF ___ (IAF)
2. HOLD E STRIK LOM, RT, 258.32 INBOUND, 6000 FT. IN LIEU OF PT (IAF)
3. FAC: 258.32 FAF: STRIK LOM/TWF 6.00 DME DIST FAF TO MAP: 5.18 THLD: 5.18
4. MIN. ALT: STRIK LOM 5900
5. DIST TO THLD FROM OM: 5.18 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1034
6. MIN GS INCPT: 5900 GS ALT AT: - OM: 5881 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.2
8. MSA FROM: TW NDB 043-163 9300, 163-253 9000, 253-043 6300

MAG VAR: 13E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD # | LOC: STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 26	4352	1/2	200	4352	1/2	200	4352	1/2	200	4352	1/2	200	4352	1/2	200
S-LOC 26	4480	1/2	328	4480	1/2	328	4480	1/2	328	4480	1/2	328	4480	1/2	328
CIRCLING	4700	1	546	4780	1	626	5100	2 3/4	946	5100	3	946	5100	3	946

NOTES:
CHART NOTE: CIRCLING TO RWY 30 NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JEROME ALTIMETER SETTING AND INCREASE ALL DA 49 FEET, AND ALL MDA 60 FEET, INCREASE S-LOC 26 CAT C-E VISIBILITY 1/8 MILE.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING LOCAL OR JEROME ALTIMETER SETTING, INCREASE S-ILS 26 (SEE FORM 8260-10)

CAT B 700-2, CAT C 1000-2 3/4, CAT D, E 1000-3
@ CAT C 1000-2 3/4, CAT D, E 1000-3
# @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER: I-TWF	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS OR LOC RWY 25
TWIN FALLS, ID	AIRPORT NAME: JOSLIN FIELD - MAGIC VALLEY RGNL		ILS OR LOC RWY 26, AMDT 10 22 AUGUST 2013	AMDT: 9 DATED 12/17/2009

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BYI VOR/DME (IAF)	SOREE INT/TWF 13.00 DME (NOPT)	228.98 / 15.96	7000
GABBY INT/TWF 17.01 DME (IAF)	SOREE INT/TWF 13.00 DME (NOPT)	258.32 / 4.01 (I-TWF)	7000
SOREE INT/TWF 13.00 DME (IF)	STRIK LOM/TWF 6.00 DME	258.32 / 7.00 (I-TWF)	5900

NOTES, (CONT.):
CAT E VISIBILITY 1/4 MILE AND S-LOC 26 CAT E VISIBILITY 1/2 MILE.
CHART NOTE: ADF OR DME REQUIRED.
CHART PLANVIEW NOTE: CAT E HOLDING AT TW LOM NA

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: ILS OR LOC RWY 25
TWIN FALLS, ID	AIRPORT NAME: JOSLIN FIELD - MAGIC VALLEY RGNL	I-TWF	ILS OR LOC RWY 26, AMDT 10 22 AUGUST 2013	AMDT: 9
				DATED: 12/17/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - LOC

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAD       BYI   K1011410VDLW N42344886W113515709    N42344886W113515709E0180042261     NARBURLEY
        SUSAD       TWF   K1011580VTLW N42284748W114292203    N42284748W114292203E0180041401     NARTWIN FALLS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT  DRYAD K10    C   L N42100639W113593706                    E0129     NAR          DRYAD
        SUSAEAENRT  GABBY K10    C   L N42282559W114062330                    E0130     NAR          GABBY
        SUSAEAENRT  MALTT K10    C   L N42275837W113424637                    E0129     NAR          MALTT
        SUSAEAENRT  ROGET K10    R   L N42165255W114222015                    E0131     NAR          ROGET
        SUSAEAENRT  SOREE K10    C     N42283255W114114812                    E0130     NAR          SOREE
        SUSAEAENRT  STRIK K10    R     N42284319W114211562                    E0131     NAR          STRIK LOM
        SUSAEAENRT  TOXEE K10    R   L N42414181W114271310                    E0132     NAR          TOXEE
        SUSAEAENRT  UJSON K10    R   L N42240661W114125913                    E0130     NAR          UJSON
        SUSAEAENRT  WODEN K10    R   L N42202423W114155725                    E0130     NAR          WODEN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTWFK1ATWF     0     087YHN42285450W114291590E013004154          1800018000C    MNAR    JOSLIN FIELD - MAGIC VALLEY RG

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTWFK1FL26   ABYI    010BYI  K1D 0V  A    FC BYI K1      00000000229001400D   + 07000     18000                0 NS
        SUSAP KTWFK1FL26   ABYI    020SOREEK1EA0EE B    CF ITWFK1      07830140229000200PI  + 07000                          0 NS
        SUSAP KTWFK1FL26   ADRYAD  010DRYADK1EA0E      IF                                                18000                0 NS
        SUSAP KTWFK1FL26   ADRYAD  020WODENK1EA0E  A    TF TWF K1      11210130         D   + 09700                          0 NS
        SUSAP KTWFK1FL26   ADRYAD  030UJSONK1EA0E   L   AF TWF K1      093001301121     D   + 08200                          0 NS
        SUSAP KTWFK1FL26   ADRYAD  040SOREEK1EA0EE BL   AF TWF K1      073001300930     D   + 07000                          0 NS
        SUSAP KTWFK1FL26   AMALTT  010MALTTK1EA0E      IF                                                18000                0 NS
        SUSAP KTWFK1FL26   AMALTT  020GABBYK1EA0E  A    TF                                + 07400                          0 NS
        SUSAP KTWFK1FL26   AMALTT  030SOREEK1EA0EE B    CF ITWFK1      07830140258300400PI  + 07000                          0 NS
        SUSAP KTWFK1FL26   AROGET  010ROGETK1EA0E  A    IF TWF K1      13830130         D                 18000                0 NS
        SUSAP KTWFK1FL26   AROGET  020WODENK1EA0E   L   AF TWF K1      112101301383     D   + 08900                          0 NS
        SUSAP KTWFK1FL26   AROGET  030UJSONK1EA0E   L   AF TWF K1      093001301121     D   + 08200                          0 NS
        SUSAP KTWFK1FL26   AROGET  040SOREEK1EA0EE BL   AF TWF K1      073001300930     D   + 07000                          0 NS
        SUSAP KTWFK1FL26   ASTRIK  010STRIKK1EA0EE AR   HF ITWFK1      07830070258 3T010PI  + 06000     18000                0 NS
        SUSAP KTWFK1FL26   ATOXEE  010TOXEEK1EA0E  A    IF TWF K1      34900130         D                 18000                0 NS
        SUSAP KTWFK1FL26   ATOXEE  020SOREEK1EA0EE BR   AF TWF K1      073001303490     D   + 07000                          0 NS
        SUSAP KTWFK1FL26   L       010SOREEK1EA0E  I    IF ITWFK1      07830140         PI  + 07000     18000                0 NS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 25
TWIN FALLS, ID	AIRPORT NAME: **JOSLIN FIELD - MAGIC VALLEY RGNL**	**I-TWF**	**ILS OR LOC RWY 26, AMDT 10** 22 AUGUST 2013	AMDT: **9** DATED: **12/17/2009**

```
SUSAP KTWFK1FL26   L     020STRIKK1EA0E  F    CF ITWFK1      0783007025800070PI  + 05900                TW    K1PN0 NS
SUSAP KTWFK1FL26   L     030RW26 K1PG0GY M    CF ITWFK1      0783001825800052PI    04207          -308          0 NS
SUSAP KTWFK1FL26   L     040         0  M     CA                      2583       + 04700                      0 NS
SUSAP KTWFK1FL26   L     050         0    R   VIY                     0200                                    0 NS
SUSAP KTWFK1FL26   L     060TOXEEK1EA0EY      CF TWF K1      34900130349000900D  + 07000                      0 NS
SUSAP KTWFK1FL26   L     070TOXEEK1EA0EE  R   HM                      1690T010    + 07000                      0 NS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTWFK1GRW26     0087032583 N42285057W114281550-0100     +125020415200005515OIITWF1

                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTWFK1IITWF1    010830RW26 N42285305W1143042212583N42284734W1142829412295 10340364300E01305504152

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTWFK1STW    K1PN               0    0732230632522334309325343073090 25                                          M

                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAPNKTWFK1 TW     K1003890HOLW N42284310W114211562                        E0130          NARSTRIK
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 26
TWIN FALLS, ID	AIRPORT NAME: JOSLIN FIELD - MAGIC VALLEY RGNL	I-TWF	ILS OR LOC RWY 26, AMDT 10 22 AUGUST 2013	AMDT: 9
				DATED: 12/17/2009

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BYI	BYI	010	IAF	FC		FB		229.0()	014.0	AA 07000	
	BYI	SOREE	020		CF		FB		229.0()	002.0	AA 07000	
	DRYAD	DRYAD	010		IF		FB					
	DRYAD	WODEN	020	IAF	TF		FB				AA 09700	
	DRYAD	UJSON	030		AF	L	FB		112.1()		AA 08200	
	DRYAD	SOREE	040		AF	L	FB		093.0()		AA 07000	
	MALTT	MALTT	010		IF		FB					
	MALTT	GABBY	020	IAF	TF		FB				AA 07400	
	MALTT	SOREE	030		CF		FB		258.3()	004.0	AA 07000	
	ROGET	ROGET	010	IAF	IF		FB					
	ROGET	WODEN	020		AF	L	FB		138.3()		AA 08900	
	ROGET	UJSON	030		AF	L	FB		112.1()		AA 08200	
	ROGET	SOREE	040		AF	L	FB		093.0()		AA 07000	
	STRIK	STRIK	010	IAF	HF	R	FO		258.3()	T01.0	AA 06000	
	TOXEE	TOXEE	010	IAF	IF		FB					
	TOXEE	SOREE	020		AF	R	FB		349.0()		AA 07000	
		SOREE	010	FACF	IF		FB				AA 07000	
		STRIK	020	FAF	CF		FB		258.0()	007.0	AA 05900	
		RW26	030	MAP	CF		FO		258.0()	005.2	AT 04207	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		258.3()		AA 04700	
		050		VI	R	FB		020.0()			
	TOXEE	060		CF		FO		349.0()	009.0	AA 07000	
	TOXEE	070		HM	R	FO		169.0()	T01.0	AA 07000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BYI	N423448.86	W1135157.09	N4234.814	W11351.952
	TWF	N422847.48	W1142922.03	N4228.791	W11429.367
	DRYAD	N421006.39	W1135937.06	N4210.107	W11359.618
	GABBY	N422825.59	W1140623.30	N4228.427	W11406.388
	MALTT	N422758.37	W1134246.37	N4227.973	W11342.773
	ROGET	N421652.55	W1142220.15	N4216.876	W11422.336
	SOREE	N422832.55	W1141148.12	N4228.543	W11411.802
	STRIK	N422843.19	W1142115.62	N4228.720	W11421.260
	TOXEE	N424141.81	W1142713.10	N4241.697	W11427.218
	UJSON	N422406.61	W1141259.13	N4224.110	W11412.986
	WODEN	N422024.23	W1141557.25	N4220.404	W11415.954
	RW26	N422850.57	W1142815.50	N4228.843	W11428.258
	ITWF (LOC)	N422853.05	W1143042.21	N4228.884	W11430.704

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 25
TWIN FALLS, ID	AIRPORT NAME: JOSLIN FIELD - MAGIC VALLEY RGNL	I-TWF	ILS OR LOC RWY 26, AMDT 10 22 AUGUST 2013	AMDT: 9 DATED: 12/17/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TW	N422843.10	W1142115.62	N4228.718	W11421.260

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW26	04152	55

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 26
TWIN FALLS, ID	AIRPORT NAME: JOSLIN FIELD - MAGIC VALLEY RGNL	I-TWF	ILS OR LOC RWY 26, AMDT 10 22 AUGUST 2013	AMDT: 9 DATED: 12/17/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - ILS

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD       BYI   K1011410VDLW N42344886W113515709    N42344886W113515709E0180042261     NARBURLEY
          SUSAD       TWF   K1011580VTLW N42284748W114292203    N42284748W114292203E0180041401     NARTWIN FALLS

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT  DRYAD K10    C   L N42100639W113593706                    E0129     NAR           DRYAD
          SUSAEAENRT  GABBY K10    C   L N42282559W114062330                    E0130     NAR           GABBY
          SUSAEAENRT  MALTT K10    C   L N42275837W113424637                    E0129     NAR           MALTT
          SUSAEAENRT  ROGET K10    R   L N42165255W114222015                    E0131     NAR           ROGET
          SUSAEAENRT  SOREE K10    C     N42283255W114114812                    E0130     NAR           SOREE
          SUSAEAENRT  STRIK K10    R     N42284319W114211562                    E0131     NAR           STRIK LOM
          SUSAEAENRT  TOXEE K10    R   L N42414181W114271310                    E0132     NAR           TOXEE
          SUSAEAENRT  UJSON K10    R   L N42240661W114125913                    E0130     NAR           UJSON
          SUSAEAENRT  WODEN K10    R   L N42202423W114155725                    E0130     NAR           WODEN

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KTWFK1ATWF     0     087YHN42285450W114291590E013004154          18000018000C    MNAR    JOSLIN FIELD - MAGIC VALLEY RG

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KTWFK1FI26   ABYI    010BYI  K1D 0V  A    FC BYI K1      00000000229001400D    + 07000     18000              0 NS
          SUSAP KTWFK1FI26   ABYI    020SOREEK1EA0EE B    CF ITWFK1      07830140229000200PI   + 07000                        0 NS
          SUSAP KTWFK1FI26   ADRYAD  010DRYADK1EA0E      IF                                                 18000          0 NS
          SUSAP KTWFK1FI26   ADRYAD  020WODENK1EA0E  A    TF TWF K1      11210130         D    + 09700                        0 NS
          SUSAP KTWFK1FI26   ADRYAD  030UJSONK1EA0E   L   AF TWF K1      093001301121     D    + 08200                        0 NS
          SUSAP KTWFK1FI26   ADRYAD  040SOREEK1EA0EE BL   AF TWF K1      073001300930     D    + 07000                        0 NS
          SUSAP KTWFK1FI26   AMALTT  010MALTTK1EA0E      IF                                                 18000          0 NS
          SUSAP KTWFK1FI26   AMALTT  020GABBYK1EA0E  A    TF                                  + 07400                        0 NS
          SUSAP KTWFK1FI26   AMALTT  030SOREEK1EA0EE B    CF ITWFK1      07830140258300400PI   + 07000                        0 NS
          SUSAP KTWFK1FI26   AROGET  010ROGETK1EA0E  A    IF TWF K1      13830130         D                 18000          0 NS
          SUSAP KTWFK1FI26   AROGET  020WODENK1EA0E   L   AF TWF K1      112101301383     D    + 08900                        0 NS
          SUSAP KTWFK1FI26   AROGET  030UJSONK1EA0E   L   AF TWF K1      093001301121     D    + 08200                        0 NS
          SUSAP KTWFK1FI26   AROGET  040SOREEK1EA0EE BL   AF TWF K1      073001300930     D    + 07000                        0 NS
          SUSAP KTWFK1FI26   ASTRIK  010STRIKK1EA0EE AR   HF ITWFK1      07830070258 3T010PI   + 06000     18000              0 NS
          SUSAP KTWFK1FI26   ATOXEE  010TOXEEK1EA0E  A    IF TWF K1      34900130         D                 18000          0 NS
          SUSAP KTWFK1FI26   ATOXEE  020SOREEK1EA0EE BR   AF TWF K1      073001303490     D    + 07000                        0 NS
          SUSAP KTWFK1FI26   I       010SOREEK1EA0E  I    IF ITWFK1      07830140         PI   J 070000590018000                0 NS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 25
TWIN FALLS, ID	AIRPORT NAME: **JOSLIN FIELD - MAGIC VALLEY RGNL**	**I-TWF**	**ILS OR LOC RWY 26, AMDT 10** 22 AUGUST 2013	AMDT: **9** DATED: **12/17/2009**

```
SUSAP KTWFK1FI26   I     020STRIKK1EA0E  F    CF ITWFK1      078300702580070PI  H 0590005881        -300TW    K1PN0 NS
SUSAP KTWFK1FI26   I     030RW26 K1PG0GY M    CF ITWFK1      078300182580052PI    04207             -300         0 NS
SUSAP KTWFK1FI26   I     040         0  M     CA                    2583        + 04700                        0 NS
SUSAP KTWFK1FI26   I     050         0    R   VIY                   0200                                       0 NS
SUSAP KTWFK1FI26   I     060TOXEEK1EA0EY      CF TWF K1      349001303490090D   + 07000                        0 NS
SUSAP KTWFK1FI26   I     070TOXEEK1EA0EE  R   HM                    1690T010    + 07000                        0 NS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KTWFK1GRW26     0087032583 N42285057W114281550-0100     +125020415200005515OIITWF1

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KTWFK1IITWF1   010830RW26 N42285305W1143042212583N42284734W1142829412295 10340364300E01305504152

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KTWFK1STW   K1PN              0   0732230632522334309325343073090 25                                        M

          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAPNKTWFK1 TW    K1003890HOLW N42284310W114211562                    E0130          NARSTRIK
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 25
TWIN FALLS, ID	AIRPORT NAME: **JOSLIN FIELD - MAGIC VALLEY RGNL**	**I-TWF**	**ILS OR LOC RWY 26, AMDT 10** 22 AUGUST 2013	AMDT: **9** DATED: **12/17/2009**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BYI	BYI	010	IAF	FC		FB		229.0()	014.0	AA 07000	
	BYI	SOREE	020		CF		FB		229.0()	002.0	AA 07000	
	DRYAD	DRYAD	010		IF		FB					
	DRYAD	WODEN	020	IAF	TF		FB				AA 09700	
	DRYAD	UJSON	030		AF	L	FB		112.1()		AA 08200	
	DRYAD	SOREE	040		AF	L	FB		093.0()		AA 07000	
	MALTT	MALTT	010		IF		FB					
	MALTT	GABBY	020	IAF	TF		FB				AA 07400	
	MALTT	SOREE	030		CF		FB		258.3()	004.0	AA 07000	
	ROGET	ROGET	010	IAF	IF		FB					
	ROGET	WODEN	020		AF	L	FB		138.3()		AA 08900	
	ROGET	UJSON	030		AF	L	FB		112.1()		AA 08200	
	ROGET	SOREE	040		AF	L	FB		093.0()		AA 07000	
	STRIK	STRIK	010	IAF	HF	R	FO		258.3()	T01.0	AA 06000	
	TOXEE	TOXEE	010	IAF	IF		FB					
	TOXEE	SOREE	020		AF	R	FB		349.0()		AA 07000	
		SOREE	010	FACF	IF		FB				AA 07000 GI 05900	
		STRIK	020	FAF	CF		FB		258.0()	007.0	GI 05900 GS 05881	
		RW26	030	MAP	CF		FO		258.0()	005.2	AT 04207	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		258.3()		AA 04700	
		050		VI	R	FB		020.0()			
	TOXEE	060		CF		FO		349.0()	009.0	AA 07000	
	TOXEE	070		HM	R	FO		169.0()	T01.0	AA 07000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BYI	N423448.86	W1135157.09	N4234.814	W11351.952
	TWF	N422847.48	W1142922.03	N4228.791	W11429.367
	DRYAD	N421006.39	W1135937.06	N4210.107	W11359.618
	GABBY	N422825.59	W1140623.30	N4228.427	W11406.388
	MALTT	N422758.37	W1134246.37	N4227.973	W11342.773
	ROGET	N421652.55	W1142220.15	N4216.876	W11422.336
	SOREE	N422832.55	W1141148.12	N4228.543	W11411.802
	STRIK	N422843.19	W1142115.62	N4228.720	W11421.260
	TOXEE	N424141.81	W1142713.10	N4241.697	W11427.218
	UJSON	N422406.61	W1141259.13	N4224.110	W11412.986
	WODEN	N422024.23	W1141557.25	N4220.404	W11415.954
	RW26	N422850.57	W1142815.50	N4228.843	W11428.258
	ITWF (LOC)	N422853.05	W1143042.21	N4228.884	W11430.704

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./ EFFECTIVE DATE:	SUP: ILS OR LOC RWY 25
TWIN FALLS, ID	AIRPORT NAME: **JOSLIN FIELD - MAGIC VALLEY RGNL**	**I-TWF**	**ILS OR LOC RWY 26, AMDT 10** 22 AUGUST 2013	AMDT: 9 DATED: 12/17/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TW	N422843.10	W1142115.62	N4228.718	W11421.260

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW26	04152	55

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 25
TWIN FALLS, ID	AIRPORT NAME: JOSLIN FIELD - MAGIC VALLEY RGNL	I-TWF	ILS OR LOC RWY 26, AMDT 10 22 AUGUST 2013	AMDT: 9 DATED: 12/17/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TWF VORTAC	STRIK LOM/TWF 6.00 DME	072.65 / 6.00	7200
MALTT INT (IAF)	GABBY INT/TWF 17.01 DME (NOPT)	253.10 / 17.48 (TWF R-073)	7400
BYI VOR/DME (IAF)	GABBY INT/TWF 17.01 DME (NOPT)	221.19 / 12.44	6100
GABBY INT/TWF 17.01 DME (IF)	STRIK LOM/TWF 6.00 DME	258.43 / 11.01	6000

MISSED APPROACH

MAP: 5.18 MILES AFTER STRIK LOM/TWF 6.00 DME OR AT TWF 0.82 DME FIX

CLIMB TO 4800 THEN CLIMBING RIGHT TURN TO 6000 DIRECT STRIK LOM AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 258.42 INBOUND.
CHART FAS OBST: 4369 TREE 422713N/1142817W
STRIK LOM TO RW26: 3.26/55.
CHART CIRCLING ICON

1. PT L SIDE OF COURSE 078.42 OUTBOUND 7000 FT WITHIN 10 MILES OF STRIK LOM (IAF)
2.
3. FAC 258.42 FAF STRIK LOM/TWF 6.00 DME DIST FAF TO MAP 5.18 THLD 5.18
4. MIN. ALT STRIK LOM 6000
8. MSA FROM: TW NDB 043-163 9300, 163-253 9000, 253-043 6300

MAG VAR: 13E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: NA | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-26	4680	3/4	528	4680	3/4	528	4680	1	528	4680	1	528			
CIRCLING	4700	1	546	4780	1	626	5100	2 3/4	946	5100	3	946			

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JEROME ALTIMETER SETTING AND INCREASE ALL MDA 60FT; INCREASE S-26 CAT C/D VISIBILITY 1/4 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: CIRCLING TO RWY 30 NA AT NIGHT.

@ CAT C 1000-2 3/4, CAT D 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
TWIN FALLS, ID	JOSLIN FIELD - MAGIC VALLEY RGNL	TW	NDB RWY 26, AMDT 7 22 AUGUST 2013	SUP NDB RWY 25 AMDT 6A DATE 08/27/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
KINZE	UYEME (FB)	200.01 / 30.36	9500
YIKUK	JEDBU (FB)	355.16 / 20.33	10000
TWF VORTAC	WIDUG (FO)	258.64 / 12.31	6900
UYEME (IAF)	WIDUG (NOPT) (FB)	168.10 / 10.24	6900
JEDBU (IAF)	WIDUG (NOPT) (FB)	355.20 / 10.00	6900
WIDUG (IF/IAF)	YEGUR (FB)	078.12 / 6.05	6000
YEGUR (FAF)	ZOSIL/2.90 NM TO RW08 (FB)	078.21 / 2.75	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW08

CLIMB TO 5000 THEN CLIMBING LEFT TURN TO 6000 DIRECT UYEME AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W WIDUG, RT, 078.12 INBOUND, 6900 FT. IN LIEU OF PT (IAF)
3. FAC: 078.21 FAF: YEGUR DIST FAF TO MAP: 5.65 THLD: 5.65
4. MIN. ALT: WIDUG 6900, YEGUR 6000, ZOSIL/2.90 NM TO RW08 5120*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 6000 GS ALT AT: YEGUR 6000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.5 34:1 IS CLEAR
8. MSA FROM: RW08 9300

ADDITIONAL FLIGHT DATA:
HOLD NW, LT, 118.06 INBOUND.
CHART FAS OBST: 4289 TREE 422819N/1143034W
OBST: 4699 AAO 422724N/1143816W
DISTANCE TO THLD FROM 250 HATH: 0.60 NM.
CHART VDP AT 1.31 MILES TO RW08*
*LNAV ONLY.
WAAS CHANNEL # 40211
REFERENCE PATH ID: W08A
CHART CIRCLING ICON.
LTP HAE: 1247.8 M

MAG VAR: 13E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N.A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	4394	3/4	250	4394	3/4	250	4394	3/4	250	4394	3/4	250			
LNAV/VNAV DA	4668	1 3/4	524	4668	1 3/4	524	4668	1 3/4	524	4668	1 3/4	524			
LNAV MDA	4620	1	476	4620	1	476	4620	1 3/8	476	4620	1 3/8	476			
CIRCLING	4700	1	546	4780	1	626	5100	2 3/4	946	5100	3	946			

NOTES:
CHART NOTE: CIRCLING TO RWY 30 NA AT NIGHT.
CHART NOTE: BARO-VNAV NA WHEN USING JEROME ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 48C (120F).
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

@ CAT C 1000-2 3/4, CAT D 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4144 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 7
TWIN FALLS, ID	JOSLIN FIELD - MAGIC VALLEY RGNL	RNAV	RNAV (GPS) RWY 8, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 05/07/2009

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZOSIL/2.90 NM TO RW08	RW08 (MAP) (FO)	078.21 / 2.90	
RW08 (MAP)	5000 MSL	078.21	5000
5000 MSL	UYEME (FO)		6000

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KINZE ON V484 NORTHBOUND, V330 EASTBOUND, AND V444 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON TWF VORTAC AIRWAY RADIALS 177 CW 314.
CHART NOTE: VDP NA WITH JEROME ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JEROME ALTIMETER SETTING AND INCREASE ALL DA 49 FEET AND ALL MDA 60 FEET, AND INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE, AND LNAV CATS C AND D VISIBILITY 1/8 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4144	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 7
TWIN FALLS, ID	AIRPORT NAME: JOSLIN FIELD - MAGIC VALLEY RGNL	RNAV	RNAV (GPS) RWY 8, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 05/07/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTWF
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	422852.5430N
LTP/FTP LONGITUDE	1143011.5985W
LTP/FTP ELLIPSOIDAL HEIGHT	+12478
FPAP LATITUDE	422850.5030N
FPAP LONGITUDE	1142811.2185W
THRESHOLD CROSSING HEIGHT (TCH)	00057.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0096
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	21528301

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+12631
FPAP ORTHOMETRIC HEIGHT	+12631

QUALITY CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAD        TWF   K1011580VTLW N42284748W114292203    N42284748W114292203E0180041401     NARTWIN FALLS

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   JEDBU K10    W     N42191332W114475577                    E0132     NAR          JEDBU
        SUSAEAENRT   KINZE K10    C   L N43045180W114231923                    E0132     NAR          KINZE
        SUSAEAENRT   UYEME K10    C   L N42392161W114454415                    E0132     NAR          UYEME
        SUSAEAENRT   WIDUG K10    W     N42290738W114460013                    E0132     NAR          WIDUG
        SUSAEAENRT   YEGUR K10    W     N42285998W114374938                    E0132     NAR          YEGUR
        SUSAEAENRT   YIKUK K20    C   L N41590516W114514912                    E0131     NAR          YIKUK
        SUSAEAENRT   ZOSIL K10    W     N42285643W114340669                    E0131     NAR          ZOSIL

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTWFK1ATWF     0     087YHN42285450W114291590E013004154          1800018000C    MNAR    JOSLIN FIELD - MAGIC VALLEY RG

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTWFK1FR08   AKINZE 010KINZEK1EA0E       IF                                          18000                A JS
        SUSAP KTWFK1FR08   AKINZE 020UYEMEK1EA0E  A 020TF                    20000304    + 09500                      A JS
        SUSAP KTWFK1FR08   AKINZE 030WIDUGK1EA0EE B 010TF                    16810102    + 06900                      A JS
        SUSAP KTWFK1FR08   ATWF   010TWF  K1D 0V      IF                                          18000                A JS
        SUSAP KTWFK1FR08   ATWF   020WIDUGK1EA0EY   020TF                    25860123    + 06900                      A JS
        SUSAP KTWFK1FR08   ATWF   030WIDUGK1EA0EE AR   HF                    07810070    + 06900                      A JS
        SUSAP KTWFK1FR08   AYIKUK 010YIKUKK2EA0E       IF                                          18000                A JS
        SUSAP KTWFK1FR08   AYIKUK 020JEDBUK1EA0E  A 020TF                    35520203    + 10000                      A JS
        SUSAP KTWFK1FR08   AYIKUK 030WIDUGK1EA0EE B 010TF                    35520100    + 06900                      A JS
        SUSAP KTWFK1FR08   R      010WIDUGK1EA0E  I    IF                                + 06900    18000             A JS
        SUSAP KTWFK1FR08   R      020YEGURK1EA1E  F 051TF                    07810061    + 06000              RW08  K1PGA JS
        SUSAP KTWFK1FR08   R      020YEGURK1EA2WALPV       ALNAV/VNAV ALNAV                                          JS
        SUSAP KTWFK1FR08   R      021ZOSILK1EA0E S  031TF                    07820028    V 0512005125        -300      A JS
        SUSAP KTWFK1FR08   R      030RW08 K1PG0GY M 031TF                    07820029      04201             -300      A JS
        SUSAP KTWFK1FR08   R      040         0  M     CA                    0782        + 05000                      A JS
        SUSAP KTWFK1FR08   R      050UYEMEK1EA0EY  L   DF                                + 06000                      A JS
        SUSAP KTWFK1FR08   R      060UYEMEK1EA0EE  L   HM                    11810050    + 06000                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4144 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 7
TWIN FALLS, ID	**JOSLIN FIELD - MAGIC VALLEY RGNL**	**RNAV**	**RNAV (GPS) RWY 8, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **05/07/2009**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
SUSAP KTWFK1GRW08     0087030783 N42285254W114301160+0100     +1247804144000058150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
SUSAP KTWFK1PR08    RW08 001 0000W08A0N4228525430W11430115985+124780300N4228505030W114281121851067500960005 75F40050021528301
SUSAP KTWFK1PR08    RW08 002E       +12631+12631LPV        40211

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
SUSAP KTWFK1SRW08 K1PG                0   18018009325                                                                    M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4144 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 7
TWIN FALLS, ID	JOSLIN FIELD - MAGIC VALLEY RGNL	RNAV	RNAV (GPS) RWY 8, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 05/07/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	KINZE	KINZE	010		IF		FB					
	KINZE	UYEME	020	IAF	TF		FB	2.0	200.0(213.0T)	030.4	AA 09500	
	KINZE	WIDUG	030		TF		FB	1.0	168.1(181.1T)	010.2	AA 06900	
	TWF	TWF	010		IF		FB					
	TWF	WIDUG	020		TF		FO	2.0	258.6(271.6T)	012.3	AA 06900	
	TWF	WIDUG	030	IAF	HF	R	FO		078.1(091.1T)	007.0	AA 06900	
	YIKUK	YIKUK	010		IF		FB					
	YIKUK	JEDBU	020	IAF	TF		FB	2.0	355.2(008.2T)	020.3	AA 10000	
	YIKUK	WIDUG	030		TF		FB	1.0	355.2(008.2T)	010.0	AA 06900	
		WIDUG	010	FACF	IF		FB				AA 06900	
		YEGUR	020	FAF	TF		FB	0.5	078.1(091.1T)	006.1	AA 06000	
		ZOSIL	021	SDF	TF		FB	0.3	078.2(091.2T)	002.8	AA 05120	GS 05125
		RW08	030	MAP	TF		FO	0.3	078.2(091.2T)	002.9	AT 04201	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		078.2(091.2T)		AA 05000	
	UYEME	050		DF	L	FO				AA 06000	
	UYEME	060		HM	L	FO		118.1(131.1T)	005.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TWF	N422847.48	W1142922.03	N4228.791	W11429.367
	JEDBU	N421913.32	W1144755.77	N4219.222	W11447.930
	KINZE	N430451.80	W1142319.23	N4304.863	W11423.321
	UYEME	N423921.61	W1144544.15	N4239.360	W11445.736
	WIDUG	N422907.38	W1144600.13	N4229.123	W11446.002
	YEGUR	N422859.98	W1143749.38	N4229.000	W11437.823
	YIKUK	N415905.16	W1145149.12	N4159.086	W11451.819
	ZOSIL	N422856.43	W1143406.69	N4228.941	W11434.112
	RW08	N422852.54	W1143011.60	N4228.876	W11430.193

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	04144	58



CITY AND STATE	ELEVATION: 4154 THRE: 4144 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 7
TWIN FALLS, ID	JOSLIN FIELD - MAGIC VALLEY RGNL	RNAV	RNAV (GPS) RWY 8, AMDT 1 / 22 AUGUST 2013	AMDT: ORIG / DATED: 05/07/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
KINZE	HAZZL (FB)	139.09 / 29.76	7200
HAZZL (IAF)	SOREE (NOPT) (FB)	195.61 / 11.37	7200
TWF VORTAC	SOREE (FO)	078.00 / 13.00	7200
SAMAN	SOREE (FO)	044.68 / 24.08	8000
MALTT (IAF)	GABBY (NOPT) (FB)	258.62 / 17.48	8200
GABBY	SOREE (FB)	258.69 / 4.01	7200
DRYAD (IAF)	ZUROV (NOPT) (FB)	320.84 / 16.08	8800
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW26

CLIMB TO 4700 THEN CLIMBING RIGHT TURN TO 6000 DIRECT UYEME AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E SOREE, RT, 258.51 INBOUND, 7200 FT. IN LIEU OF PT (IAF)
3. FAC: 258.41 FAF: VUPCU DIST FAF TO MAP: 5.94 THLD: 5.94
4. MIN. ALT: SOREE 7200, VUPCU 6100
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 6100 GS ALT AT: VUPCU 6100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.2 34:1 IS CLEAR
8. MSA FROM: RW26 9300

ADDITIONAL FLIGHT DATA:
HOLD NW, LT, 118.06 INBOUND.
FAS OBST: 4419 AAO 422818N/1142136W
DISTANCE TO THLD FROM 200 HATH: 0.45 NM.
CHART VDP AT 1.48 MILES TO RW26*
*LNAV ONLY.
WAAS CHANNEL # 56311
REFERENCE PATH ID: W26A
CHART CIRCLING ICON
LTP HAE: 1250.2 M

MAG VAR: 13E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	4352	1/2	200	4352	1/2	200	4352	1/2	200	4352	1/2	200			
LNAV/VNAV DA	4531	3/4	379	4531	3/4	379	4531	3/4	379	4531	3/4	379			
LNAV MDA	4680	1/2	528	4680	1/2	528	4680	1	528	4680	1	528			
CIRCLING	4700	1	546	4780	1	626	5100	2 3/4	946	5100	3	946			

NOTES:
CHART NOTE: CIRCLING TO RWY 30 NA AT NIGHT.
CHART NOTE: BARO-VNAV NA WHEN USING JEROME ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 49C (121F).
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

@ CAT C 1000-2 3/4, CAT D 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 25
TWIN FALLS, ID	JOSLIN FIELD - MAGIC VALLEY RGNL	RNAV	RNAV (GPS) RWY 26, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED 05/07/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZUROV	SOREE (FB)	321.19 / 4.45	7200
SOREE (IF/IAF)	VUPCU (FB)	258.51 / 6.24	6100
VUPCU *(FAF)*	RW26 (MAP) (FO)	258.41 / 5.94	
RW26 (MAP)	4700 MSL	258.41	4700
4700 MSL	UYEME (FO)		6000

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JEROME ALTIMETER SETTING AND INCREASE ALL DA 49 FT AND ALL MDA 60FT; INCREASE LNAV CAT C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: VDP NA WHEN USING JEROME ALTIMETER SETTING .
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MALTT ON V101 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT KINZE ON V444 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TWF VORTAC ON AIRWAY RADIALS 097 CW 138.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 25
TWIN FALLS, ID	AIRPORT NAME: JOSLIN FIELD - MAGIC VALLEY RGNL	RNAV	RNAV (GPS) RWY 26, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 05/07/2009

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 25
TWIN FALLS, ID	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 26, AMDT 1	AMDT: ORIG
	JOSLIN FIELD - MAGIC VALLEY RGNL		22 AUGUST 2013	DATED: 05/07/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTWF
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	422850.5745N
LTP/FTP LONGITUDE	1142815.5040W
LTP/FTP ELLIPSOIDAL HEIGHT	+12502
FPAP LATITUDE	422852.6095N
FPAP LONGITUDE	1143015.8850W
THRESHOLD CROSSING HEIGHT (TCH)	00055.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0096
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	238050D1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+12655
FPAP ORTHOMETRIC HEIGHT	+12655

QUALITY CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        TWF    K1011580VTLW N42284748W114292203     N42284748W114292203E0180041401      NARTWIN FALLS

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DRYAD K10     C    L N42100639W113593706                    E0129      NAR           DRYAD
        SUSAEAENRT   GABBY K10     C    L N42282559W114062330                    E0130      NAR           GABBY
        SUSAEAENRT   HAZZL K10     C    L N42383180W114042668                    E0130      NAR           HAZZL
        SUSAEAENRT   KINZE K10     C    L N43045180W114231923                    E0132      NAR           KINZE
        SUSAEAENRT   MALTT K10     C    L N42275837W113424637                    E0128      NAR           MALTT
        SUSAEAENRT   SAMAN K10     C    L N42154303W114391792                    E0131      NAR           SAMAN
        SUSAEAENRT   SOREE K10     C      N42283255W114114812                    E0130      NAR           SOREE
        SUSAEAENRT   UYEME K10     C    L N42392161W114454415                    E0132      NAR           UYEME
        SUSAEAENRT   VUPCU K10     W      N42284208W114201374                    E0131      NAR           VUPCU
        SUSAEAENRT   ZUROV K10     W      N42243213W114091102                    E0130      NAR           ZUROV

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTWFK1ATWF      0      087YHN42285450W114291590E013004154          1800018000C     MNAR     JOSLIN FIELD - MAGIC VALLEY RG

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTWFK1FR26    ADRYAD 010DRYADK1EA0E  A     IF                                          18000                 A JS
        SUSAP KTWFK1FR26    ADRYAD 020ZUROVK1EA0E     010TF          32080161     + 08800                                 A JS
        SUSAP KTWFK1FR26    ADRYAD 030SOREEK1EA0EE B  010TF          32120045     + 07200                                 A JS
        SUSAP KTWFK1FR26    AKINZE 010KINZEK1EA0E       IF                                          18000                 A JS
        SUSAP KTWFK1FR26    AKINZE 020HAZZLK1EA0E  A  020TF          13910298     + 07200                                 A JS
        SUSAP KTWFK1FR26    AKINZE 030SOREEK1EA0EE B  010TF          19560114     + 07200                                 A JS
        SUSAP KTWFK1FR26    AMALTT 010MALTTK1EA0E  A     IF                                          18000                 A JS
        SUSAP KTWFK1FR26    AMALTT 020GABBYK1EA0E     010TF          25860175     + 08200                                 A JS
        SUSAP KTWFK1FR26    AMALTT 030SOREEK1EA0EE B  010TF          25870040     + 07200                                 A JS
        SUSAP KTWFK1FR26    ASAMAN 010SAMANK1EA0E       IF                                          18000                 A JS
        SUSAP KTWFK1FR26    ASAMAN 020SOREEK1EA0EY    020TF          04470241     + 08000                                 A JS
        SUSAP KTWFK1FR26    ASAMAN 030SOREEK1EA0EE AR    HF          25850070     + 07200                                 A JS
        SUSAP KTWFK1FR26    ATWF   010TWF  K1D 0V       IF                                          18000                 A JS
        SUSAP KTWFK1FR26    ATWF   020SOREEK1EA0EY    020TF          07800130     + 07200                                 A JS
        SUSAP KTWFK1FR26    ATWF   030SOREEK1EA0EE AR    HF          25850070     + 07200                                 A JS
        SUSAP KTWFK1FR26    R      010SOREEK1EA0E  I     IF                      + 07200     18000                       A JS
        SUSAP KTWFK1FR26    R      020VUPCUK1EA1E  F  051TF          25850062     + 06100                 RW26  K1PGA JS
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QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 25
TWIN FALLS, ID	AIRPORT NAME: **JOSLIN FIELD - MAGIC VALLEY RGNL**	**RNAV**	**RNAV (GPS) RWY 26, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **05/07/2009**

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SUSAP KTWFK1FR26   R     020VUPCUK1EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
SUSAP KTWFK1FR26   R     030RW26 K1PG0GY M 031TF                      25840059      04207            -300          A JS
SUSAP KTWFK1FR26   R     040         0  M     CA                     2584        + 04700                          A JS
SUSAP KTWFK1FR26   R     050UYEMEK1EA0EY  R   DF                                 + 06000                          A JS
SUSAP KTWFK1FR26   R     060UYEMEK1EA0EE  L   HM                     11810050    + 06000                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KTWFK1GRW26    0087032583 N42285057W114281550-0100    +12502041520000551501

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KTWFK1PR26   RW26 001 0000W26A0N4228505745W11428155040+125020300N4228526095W1143015885010675009600055 2F400350238050D1
       SUSAP KTWFK1PR26   RW26 002E      +12655+12655LPV       56311

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KTWFK1SRW26 K1PG              0   18018009325                                                             M
```

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 25
TWIN FALLS, ID	AIRPORT NAME: **JOSLIN FIELD - MAGIC VALLEY RGNL**	**RNAV**	**RNAV (GPS) RWY 26, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **05/07/2009**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DRYAD	DRYAD	010	IAF	IF		FB					
	DRYAD	ZUROV	020		TF		FB	1.0	320.8(333.8T)	016.1	AA 08800	
	DRYAD	SOREE	030		TF		FB	1.0	321.2(334.2T)	004.5	AA 07200	
	KINZE	KINZE	010		IF		FB					
	KINZE	HAZZL	020	IAF	TF		FB	2.0	139.1(152.1T)	029.8	AA 07200	
	KINZE	SOREE	030		TF		FB	1.0	195.6(208.6T)	011.4	AA 07200	
	MALTT	MALTT	010	IAF	IF		FB					
	MALTT	GABBY	020		TF		FB	1.0	258.6(271.6T)	017.5	AA 08200	
	MALTT	SOREE	030		TF		FB	1.0	258.7(271.7T)	004.0	AA 07200	
	SAMAN	SAMAN	010		IF		FB					
	SAMAN	SOREE	020		TF		FO	2.0	044.7(057.7T)	024.1	AA 08000	
	SAMAN	SOREE	030	IAF	HF	R	FO		258.5(271.5T)	007.0	AA 07200	
	TWF	TWF	010		IF		FB					
	TWF	SOREE	020		TF		FO	2.0	078.0(091.0T)	013.0	AA 07200	
	TWF	SOREE	030	IAF	HF	R	FO		258.5(271.5T)	007.0	AA 07200	
		SOREE	010	FACF	IF		FB				AA 07200	
		VUPCU	020	FAF	TF		FB	0.5	258.5(271.5T)	006.2	AA 06100	
		RW26	030	MAP	TF		FO	0.3	258.4(271.4T)	005.9	AT 04207	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		258.4(271.4T)		AA 04700	
	UYEME	050		DF	R	FO				AA 06000	
	UYEME	060		HM	L	FO		118.1(131.1T)	005.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TWF	N422847.48	W1142922.03	N4228.791	W11429.367
	DRYAD	N421006.39	W1135937.06	N4210.107	W11359.618
	GABBY	N422825.59	W1140623.30	N4228.427	W11406.388
	HAZZL	N423831.80	W1140426.68	N4238.530	W11404.445
	KINZE	N430451.80	W1142319.23	N4304.863	W11423.321
	MALTT	N422758.37	W1134246.37	N4227.973	W11342.773
	SAMAN	N421543.03	W1143917.92	N4215.717	W11439.299
	SOREE	N422832.55	W1141148.12	N4228.543	W11411.802
	UYEME	N423921.61	W1144544.15	N4239.360	W11445.736
	VUPCU	N422842.08	W1142013.74	N4228.701	W11420.229
	ZUROV	N422432.13	W1140911.02	N4224.536	W11409.184
	RW26	N422850.57	W1142815.50	N4228.843	W11428.258

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 25
TWIN FALLS, ID	AIRPORT NAME: **JOSLIN FIELD - MAGIC VALLEY RGNL**	**RNAV**	**RNAV (GPS) RWY 26, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **05/07/2009**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

RW26 04152 55

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 25
TWIN FALLS, ID	AIRPORT NAME: JOSLIN FIELD - MAGIC VALLEY RGNL	RNAV	RNAV (GPS) RWY 26, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 05/07/2009

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
TWIN FALLS, ID	JOSLIN FIELD – MAGIC VALLEY RGNL	22 AUGUST 2013	3

TAKEOFF MINIMUMS:

RWY 12, NA – OBSTACLES
RWY 08, 26, 30: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

RWY 26: AIRCRAFT DEPARTING ON TWF VORTAC R-240 CW 080 CLIMB ON COURSE. ALL OTHERS CLIMB HEADING 258.32 TO 6000 THEN CLIMBING RIGHT TURN DIRECT TWF VORTAC. CLIMB IN HOLDING PATTERN (HOLD NW, RT, 113.00 INBOUND) TO MCA OR MEA FOR DIRECTION OF FLIGHT.
RWY 08: AIRCRAFT DEPARTING ON TWF VORTAC R-260 CW 080 CLIMB ON COURSE. ALL OTHERS CLIMB HEADING 078.30 TO 6000 THEN CLIMBING RIGHT TURN DIRECT TWF VORTAC. CLIMB IN HOLDING PATTERN (HOLD NW, RT, 113.00 INBOUND) TO MCA OR MEA FOR DIRECTION OF FLIGHT
RWY 30: AIRCRAFT DEPARTING ON TWF VORTAC R-240 CW 080 CLIMB ON COURSE. ALL OTHERS CLIMB HEADING 303.30 TO 6000 THEN CLIMBING RIGHT TURN DIRECT TWF VORTAC. CLIMB IN HOLDING PATTERN (HOLD NW, RT, 113.00 INBOUND) TO MCA OR MEA FOR DIRECTION OF FLIGHT

TAKEOFF OBSTACLE NOTES:

. RWY 30: TREE 1184 FT FROM DER, 751 FT RIGHT OF CENTERLINE, 71 FT AGL/4149 FT MSL

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 26 - 7439 FT MSL AAO 421518.90N/1141759.91W, RWY 08 – 7399 FT MSL AAO 421518.30N/1141811.52W, RWY 30 - 7439 FT MSL AAO 421518.90N/1141759.91W

QUALITY CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
TWIN FALLS, ID	JOSLIN FIELD – MAGIC VALLEY RGNL	22 AUGUST 2013	3

REMARKS:

FLIGHT INSPECTED BY:
Paul Koscheka 4/30/13

REQUIRED EFFECTIVE DATE:
ROUTINE

DEVELOPED BY;
BRYAN BLUE AJV-354 03/15/2013

APPROVED BY:
DEBORAH COPELAND AJV-354 JUN 24 2013

COORDINATED WITH:
ZLC, TWF, AMGR

CHANGES:

1. UPDATED RWY NUMBERS FROM RWY 7/25 TO RWY 08/26

2. CHANGED TEXTUAL DEPARTURE PROCEDURE RWY 26 FROM "AIRCRAFT DEPARTING ON TWF VORTAC R-240 CW 080 CLIMB ON COURSE. ALL OTHERS CLIMB RWY HEADING TO 6000 THEN CLIMBING RIGHT TURN DIRECT TWF VORTAC. CLIMB IN HOLDING PATTERN (HOLD, NW, RT, 113.00 INBOUND) TO MCA OR MEA AS APPROPRIATE FOR DIRECTION OF FLIGHT" TO "AIRCRAFT DEPARTING ON TWF VORTAC R-240 CW 080 CLIMB ON COURSE. ALL OTHERS CLIMB HEADING 258.32 TO 6000 THEN CLIMBING RIGHT TURN DIRECT TWF VORTAC. CLIMB IN HOLDING PATTERN (HOLD, NW, RT, 113.00 INBOUND) TO MCA OR MEA FOR DIRECTION OF FLIGHT.

3. CHANGED TEXTUAL DEPARTURE PROCEDURE RWY 08 "AIRCRAFT DEPARTING ON TWF VORTAC R-240 CW 080 CLIMB ON COURSE. ALL OTHERS CLIMB RWY HEADING TO 6000 THEN CLIMBING RIGHT TURN DIRECT TWF VORTAC. CLIMB IN HOLDING PATTERN (HOLD, NW, RT, 113.00 INBOUND) TO MCA OR MEA AS APPROPRIATE FOR DIRECTION OF FLIGHT" TO "AIRCRAFT DEPARTING ON TWF VORTAC R-260 CW 080 CLIMB ON COURSE. ALL OTHERS CLIMB HEADING 078.30 TO 6000 THEN CLIMBING RIGHT TURN DIRECT TWF VORTAC. CLIMB IN HOLDING PATTERN (HOLD, NW, RT, 113.00 INBOUND) TO MCA OR MEA FOR DIRECTION OF FLIGHT"

4. CHANGED TEXTUAL DEPARTURE PROCEDURE RWY 30 FROM "AIRCRAFT DEPARTING ON TWF VORTAC R-240 CW 080 CLIMB ON COURSE. ALL OTHERS CLIMB RWY HEADING TO 6000 THEN CLIMBING RIGHT TURN DIRECT TWF VORTAC. CLIMB IN HOLDING PATTERN (HOLD, NW, RT, 113.00 INBOUND) TO MCA OR MEA AS APPROPRIATE FOR DIRECTION OF FLIGHT" TO "AIRCRAFT DEPARTING ON TWF VORTAC R-240 CW 080 CLIMB ON COURSE. ALL OTHERS CLIMB HEADING 303.30 TO 6000 THEN CLIMBING RIGHT TURN DIRECT TWF VORTAC. CLIMB IN HOLDING PATTERN (HOLD, NW, RT, 113.00 INBOUND) TO MCA OR MEA FOR DIRECTION OF FLIGHT"

REASONS:

1. AIRPORT MAGVAR CHANGED FROM 16E TO 13E
2, 3, 4. PER 8260.46D

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HOLIT INT	TWF VORTAC	357.46 / 9.95	8300
CEEDY INT/TWF 20.17 DME	WODEN INT/TWF 13.00 DME	292.08 / 7.17 (TWF R-112)	10500
WODEN INT/ 13.00 DME	TWF VORTAC	292.08 / 13.00	8900

MISSED APPROACH

MAP: TWF VORTAC

CLIMB TO 6000 THEN LEFT TURN DIRECT TWF VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 113.00 INBOUND.
CHART FAS OBST: 4379 TREE 422742N/1143044W
FAS OBST: 4430 AAO 422800N/1143430.00W
CHART VDP AT 1.99 DME;
DISTANCE VDP TO THLD 1.38 MILES.
CHART CIRCLING ICON
AZAJI TO RWY 08: 3.02/58
FAC CROSSES RWY C/L EXTENDED 3007 FROM THLD.

1. PT R SIDE OF COURSE 257.01 OUTBOUND 6000 FT WITHIN 10 MILES OF TWF VORTAC (IAF)
2.
3. FAC 077.01 FAF DIST FAF TO MAP THLD
4. MIN. ALT AZAJI/TWF 3.30 DME 5060*
8. MSA FROM: TWF VORTAC 040-150 9300, 150-240 8800, 240-040 6200

MAG VAR: 18E EPOCH YEAR:1965

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-8	5060	1 1/4	916	5060	1 1/4	916	5060	2 1/2	916	5060	2 1/2	916			
CIRCLING	5060	1 1/4	906	5060	1 1/4	906	5100	2 3/4	946	5100	3	946			
AZAJI FIX MINIMUMS															
S-8	4640	1	496	4640	1	496	4640	1 3/8	496	4640	1 3/8	496			
CIRCLING	4700	1	546	4780	1	626	5100	2 3/4	946	5100	3	946			

NOTES:

CHART NOTE: CIRCLING TO RWY 30 NA AT NIGHT.
*5120 WHEN USING JEROME ALTIMETER SETTING
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JEROME ALTIMETER SETTING AND INCREASE ALL MDA 60FT AND S-8 CATS C AND D VISIBILITY 1/2 MILE, S-8 CAT B AND CIRCLING CAT B AND C (SEE FORM 8260-10)

@ CAT A, B 1000-2, CAT C 1000-2 3/4, CAT D 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4144 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP	VOR RWY 7
TWIN FALLS, ID	JOSLIN FIELD - MAGIC VALLEY RGNL	TWF	VOR RWY 8, AMDT 5 22 AUGUST 2013	AMDT	4
				DATE	05/07/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23

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NOTES, (CONT.):
VISIBILITY 1/4 MILE. INCREASE AZAJI FIX MINIMUMS S-8 CAT C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: VDP NA WHEN USING JEROME ALTIMETER SETTING.

QUALITY 9 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: VOR RWY 7
TWIN FALLS, ID	**ELEVATION: 4154 THRE: 4144** AIRPORT NAME: **JOSLIN FIELD - MAGIC VALLEY RGNL**	**TWF**	**VOR RWY 8, AMDT 5** 22 AUGUST 2013	AMDT: 4 DATED: 05/07/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HOLIT INT/TWF 9.95 DME	TWF VORTAC	357.46 / 9.95 (TWF R-177)	8300
ROGET INT/TWF 13.00 DME	TWF VORTAC	318.33 / 13.00 (TWF R-138)	9100
CEEDY INT/TWF 20.17 DME	WODEN INT/TWF 13.00 DME	292.08 / 7.17 (TWF R-112)	10500
WODEN INT/TWF 13.00 DME	TWF VORTAC	292.08 / 13.00	8900

MISSED APPROACH

MAP: TWF VORTAC

CLIMB TO 6000 ON TWF VORTAC R-248 THEN RIGHT TURN DIRECT TWF VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 113.00 INBOUND.
CHART FAS OBST: 4349 TREE 422752N/1142915W
FAS OBST: 4499 AAO 422926N/1141555W
CHART VDP AT 2.06 DME;
DISTANCE VDP TO THLD 1.23 MILES.
CHART CIRCLING ICON
CHART: MAX 10000 AT TWF VORTAC
CHART: XULXU TO RW26: 3.43/55

1. PT L SIDE OF COURSE 068.00 OUTBOUND 6000 FT WITHIN 10 MILES OF TWF VORTAC (IAF)
2.
3. FAC 248.00 FAF DIST FAF TO MAP THLD
4. MIN. ALT XULXU/TWF 3.00 DME 5000
8. MSA FROM: TWF VORTAC 040-150 9300, 150-240 8800, 240-040 6200

MAG VAR: 18E EPOCH YEAR:1965

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-26	5000	1/2	848	5000	3/4	848	5000	1 7/8	848	5000	1 7/8	848			
CIRCLING	5000	1 1/4	846	5000	1 1/4	846	5100	2 3/4	946	5100	3	946			
XULXU FIX MINIMUMS															
S-26	4600	1/2	448	4600	1/2	448	4600	7/8	448	4600	7/8	448			
CIRCLING	4700	1	546	4780	1	626	5100	2 3/4	946	5100	3	946			

NOTES:

CHART NOTE: CIRCLING TO RWY 30 NA AT NIGHT.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: VDP NA WITH JEROME ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JEROME ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10)

@ CAT A,B 900-2, CAT C 1000-2 3/4, CAT D 1000-3.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP	VOR RWY 25
TWIN FALLS, ID	JOSLIN FIELD - MAGIC VALLEY RGNL	TWF	VOR RWY 26, AMDT 16 22 AUGUST 2013	AMDT	15A
				DATE	02/16/2006

FAA FORM 8260-5 / April 2006 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23

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NOTES, (CONT.):
ALL MDA 60 FEET; INCREASE S-26 CAT A VISIBILITY 1/4 MILE, CAT C/D 1/8 MILE, CIRCLING CAT C 1/4 MILE, AND XULXU FIX S-26 CAT C/D 1/8 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-26 CAT C/D VISIBILITY TO 2 1/2 MILES; WHEN USING JEROME ALTIMETER SETTING INCREASE XULXU FIX S-26 CAT C/D VISIBILITY TO 1 3/8 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4152	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: VOR RWY 25
TWIN FALLS, ID	AIRPORT NAME: **JOSLIN FIELD - MAGIC VALLEY RGNL**	**TWF**	**VOR RWY 26, AMDT 16** 22 AUGUST 2013	AMDT: **15A**
				DATED: **02/16/2006**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
YUSUN/TWF 11.00 DME CW (IAF)	TIRAE/TWF 11.00 DME	11.00 DME ARC	6600
WALIL/TWF 11.00 DME CCW (IAF)	TIRAE/TWF 11.00 DME	11.00 DME ARC	6000
TIRAE/TWF 11.00 DME (IF)	LUVIY/TWF 4.80 DME	077.80 / 6.20 (TWF R-258)	5500

MISSED APPROACH

MAP: AJHUD/TWF 0.90 DME

CLIMBING LEFT TURN TO 6000 ON HEADING 245 AND TWF R-314 TO WALIL/TWF 11.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 313.99 INBOUND.
CHART FAS OBST: 4306 POLE 422751N/1143057W
OBST: 4509 AAO 422805N/1143633W
CHART VDP AT 1.74 DME;
DISTANCE VDP TO THLD 1.13 MILES.
CHART TWF R-314 AT WALIL.
CHART TWF R-177 AT YUSUN.
LUVIY TO RW8: 2.93/58.
CHART CIRCLING ICON.
FAC CROSSES RWY C/L EXTENDED 1718 FROM THLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT TIRAE/TWF 11.00 DME
3. FAC 077.80 FAF LUVIY/TWF 4.80 DME DIST FAF TO MAP ____ THLD 4.18
4. MIN. ALT TIRAE 6000, LUVIY 5500, ETWED/TWF 2.50 DME 4760
8. MSA FROM: TWF VORTAC 040-150 9300, 150-240 8800, 240-040 6200

MAG VAR: 18E EPOCH YEAR:1965

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-8	4560	1	416	4560	1	416	4560	1 1/8	416	4560	1 1/8	416			
CIRCLING	4700	1	546	4780	1	626	5100	2 3/4	946	5100	3	946			

NOTES:

CHART NOTE: CIRCLING TO RWY 30 NA AT NIGHT.
CHART NOTE: VDP NA WITH JEROME ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JEROME ALTIMETER SETTING AND INCREASE ALL MDA 60FT AND S-8 CATS C AND D VISIBILITY 1/4 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.

@ CAT C 1000-2 3/4, CAT D 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4154 THRE: 4144	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR/DME RWY 7
TWIN FALLS, ID	AIRPORT NAME: JOSLIN FIELD - MAGIC VALLEY RGNL	TWF	VOR/DME RWY 8, AMDT 1 22 AUGUST 2013	AMDT ORIG-A
				DATE 07/05/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23

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QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
TWIN FALLS, ID	**ELEVATION: 4154** **THRE: 4144** AIRPORT NAME: **JOSLIN FIELD - MAGIC VALLEY RGNL**	**TWF**	**VOR/DME RWY 8, AMDT 1** 22 AUGUST 2013	SUP: **VOR/DME RWY 7** AMDT: **ORIG-A** DATED: **07/05/2007**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PIA VORTAC	CASIP (FO)	118.94 / 16.19	2500
LOTTO	BOVME (FB)	038.10 / 13.74	2500
MAROC	AVENE (FB)	194.67 / 7.80	2500
BOVME (IAF)	CASIP (NOPT) (FB)	035.61 / 5.00	2400
AVENE (IAF)	CASIP (NOPT) (FB)	215.69 / 5.00	2400
CASIP (IF/IAF)	BGRAY (FB)	305.65 / 6.04	2400
BGRAY *(FAF)*	RW31 (MAP) (FO)	305.58 / 5.26	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 2500 DIRECT FAPSA AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE CASIP, RT, 305.65 INBOUND, 2400 FT. IN LIEU OF PT (IAF)
3. FAC: 305.58 FAF: BGRAY DIST FAF TO MAP: 5.26 THLD: 5.26
4. MIN. ALT: CASIP 2400, BGRAY 2400
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2400 GS ALT AT: BGRAY 2400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.7 34:1 IS CLEAR
8. MSA FROM: RW31 2800

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 125.38 INBOUND.
CHART FAS OBST: 762 TANK 403841N/0894039W
CHART FAS OBST: 771 TANK 403817N/0893950W
DISTANCE TO THLD FROM 289 HAT: 0.76 NM.
CHART VDP AT 1.08 MILES TO RW31*
*LNAV ONLY.
WAAS CHANNEL # 77509
REFERENCE PATH ID: W31A
CHART: ASR
CHART: 1349 TOWER 403747N/0893412W
LTP HAE: 162.8 M

MAG VAR: 1E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	940	2400	289	940	2400	289	940	2400	289	940	2400	289			
LNAV/VNAV DA	1123	6000	472	1123	6000	472	1123	6000	472	1123	6000	472			
LNAV MDA	1040	2400	389	1040	2400	389	1040	2400	389	1040	5000	389			
CIRCLING	1160	1 3/4	500	1160	1 3/4	500	1160	1 3/4	500	1220	2	560			

NOTES:
CHART NOTE: BARO-VNAV NA BELOW -16C (4F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PIA VORTAC ON AIRWAY RADIALS 076 CW 167.
IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOGAN COUNTY ALTIMETER SETTING AND INCREASE ALL (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 660 TDZE: 651	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PEORIA, IL	AIRPORT NAME: GENERAL DOWNING - PEORIA INTL		RNAV (GPS) RWY 31, AMDT 1A 22 AUGUST 2013	AMDT: 1
				DATED 10/27/2005

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW31 (MAP)	940 MSL	305.58	
940 MSL	FAPSA (FO)		2500

NOTES, (CONT.):
DAS/MDAS 100 FEET.
FOR INOPERATIVE MALSR, INCREASE LPV VISIBILITY TO RVR 5000 ALL CATS, AND LNAV CAT D VISIBILITY TO RVR 6000.
BARO-VNAV AND VDP NA WITH LOGAN COUNTY ALTIMETER SETTING.

QUALITY CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPIA
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	403925.9430N
LTP/FTP LONGITUDE	0894104.5515W
LTP/FTP ELLIPSOIDAL HEIGHT	+01628
FPAP LATITUDE	404025.3400N
FPAP LONGITUDE	0894249.9300W
THRESHOLD CROSSING HEIGHT (TCH)	00054.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	22490128

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01957
FPAP ORTHOMETRIC HEIGHT	+01957

QUALITY CHECKED

CITY AND STATE	ELEVATION: 660 TDZE: 651	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PEORIA, IL	AIRPORT NAME: GENERAL DOWNING - PEORIA INTL	RNAV	RNAV (GPS) RWY 31, AMDT 1A 22 AUGUST 2013	AMDT: 1
				DATED: 10/27/2005

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        PIA   K5011520VTLW N40404826W089473391    N40404826W089473391E0040007311     NARPEORIA

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   AVENE K50    W     N40364236W089251467                    W0021     NAR          AVENE
          SUSAEAENRT   BGRAY K50    W     N40361769W089353124                    W0020     NAR          BGRAY
          SUSAEAENRT   BOVME K50    W     N40284066W089330448                    W0020     NAR          BOVME
          SUSAEAENRT   CASIP K50    W     N40324158W089290981                    W0020     NAR          CASIP
          SUSAEAENRT   FAPSA K50    W     N40471719W089550309                    W0017     NAR          FAPSA
          SUSAEAENRT   LOTTO K50    C   L N40180118W089442551                    W0018     NAR          LOTTO
          SUSAEAENRT   MAROC K50    C   L N40441324W089222869                    W0021     NAR          MAROC

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPIAK5APIA     0     101YHN40395110W089413570E001000661        18000018000C    MNAR    GENERAL DOWNING - PEORIA INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPIAK5FR31   ALOTTO 010LOTTOK5EA0E       IF                                          18000              A JS
          SUSAP KPIAK5FR31   ALOTTO 020BOVMEK5EA0E  A 020TF                    03810137    + 02500                     A JS
          SUSAP KPIAK5FR31   ALOTTO 030CASIPK5EA0EE B 010TF                    03560050    + 02400                     A JS
          SUSAP KPIAK5FR31   AMAROC 010MAROCK5EA0E       IF                                          18000              A JS
          SUSAP KPIAK5FR31   AMAROC 020AVENEK5EA0E  A 020TF                    19470078    + 02500                     A JS
          SUSAP KPIAK5FR31   AMAROC 030CASIPK5EA0EE B 010TF                    21570050    + 02400                     A JS
          SUSAP KPIAK5FR31   APIA   010PIA  K5D 0V      IF                                          18000              A JS
          SUSAP KPIAK5FR31   APIA   020CASIPK5EA0EY   020TF                    11890162    + 02400                     A JS
          SUSAP KPIAK5FR31   APIA   030CASIPK5EA0EE AR   HF                    30570040    + 02400                     A JS
          SUSAP KPIAK5FR31   R      010CASIPK5EA0E  I    IF                                 + 02400    18000           A JS
          SUSAP KPIAK5FR31   R      020BGRAYK5EA1E  F 051TF                    30570060    + 02400          RW31  K5PGA JS
          SUSAP KPIAK5FR31   R      020BGRAYK5EA2WALPV       ALNAV/VNAV ALNAV                                          JS
          SUSAP KPIAK5FR31   R      030RW31 K5PG0GY M 031TF                    30560053      00697          -300       A JS
          SUSAP KPIAK5FR31   R      040          0  M     CA                  3056        + 00940                     A JS
          SUSAP KPIAK5FR31   R      050FAPSAK5EA0EY      DF                                 + 02500                     A JS
          SUSAP KPIAK5FR31   R      060FAPSAK5EA0EE  R   HM                    12540040    + 02500                     A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
```

CITY AND STATE	ELEVATION: 661 TDZE: 651	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PEORIA, IL	AIRPORT NAME: **GENERAL DOWNING - PEORIA INTL**	**RNAV**	**RNAV (GPS) RWY 31, AMDT 1A** 22 AUGUST 2013	AMDT: **1**
				DATED: **10/27/2005**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
SUSAP KPIAK5GRW31    0101043055 N40392594W089410455-0100    +0162800642000055150I

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPIAK5PR31   RW31 001 0000W31A0N4039259430W08941045515+016280300N4040253400W089424993001067500000000547F40050022490128
          SUSAP KPIAK5PR31   RW31 002E      +01957+01957LPV       77509

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPIAK5SRW31 K5PG              0   18018002825                                                              M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 661 TDZE: 651	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PEORIA, IL	AIRPORT NAME: GENERAL DOWNING - PEORIA INTL	RNAV	RNAV (GPS) RWY 31, AMDT 1A 22 AUGUST 2013	AMDT: 1 DATED: 10/27/2005

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	LOTTO	LOTTO	010		IF		FB					
	LOTTO	BOVME	020	IAF	TF		FB	2.0	038.1(039.1T)	013.7	AA 02500	
	LOTTO	CASIP	030		TF		FB	1.0	035.6(036.6T)	005.0	AA 02400	
	MAROC	MAROC	010		IF		FB					
	MAROC	AVENE	020	IAF	TF		FB	2.0	194.7(195.7T)	007.8	AA 02500	
	MAROC	CASIP	030		TF		FB	1.0	215.7(216.7T)	005.0	AA 02400	
	PIA	PIA	010		IF		FB					
	PIA	CASIP	020		TF		FO	2.0	118.9(119.9T)	016.2	AA 02400	
	PIA	CASIP	030	IAF	HF	R	FO		305.7(306.7T)	004.0	AA 02400	
		CASIP	010	FACF	IF		FB				AA 02400	
		BGRAY	020	FAF	TF		FB	0.5	305.7(306.7T)	006.0	AA 02400	
		RW31	030	MAP	TF		FO	0.3	305.6(306.6T)	005.3	AT 00697	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		305.6(306.6T)		AA 00940	
	FAPSA	050		DF		FO				AA 02500	
	FAPSA	060		HM	R	FO		125.4(126.4T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PIA	N404048.26	W0894733.91	N4040.804	W08947.565
	AVENE	N403642.36	W0892514.67	N4036.706	W08925.245
	BGRAY	N403617.69	W0893531.24	N4036.295	W08935.521
	BOVME	N402840.66	W0893304.48	N4028.678	W08933.075
	CASIP	N403241.58	W0892909.81	N4032.693	W08929.164
	FAPSA	N404717.19	W0895503.09	N4047.287	W08955.052
	LOTTO	N401801.18	W0894425.51	N4018.020	W08944.425
	MAROC	N404413.24	W0892228.69	N4044.221	W08922.478
	RW31	N403925.94	W0894104.55	N4039.432	W08941.076

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	00642	55

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 661 TDZE: 651	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PEORIA, IL	AIRPORT NAME: GENERAL DOWNING - PEORIA INTL	RNAV	RNAV (GPS) RWY 31, AMDT 1A 22 AUGUST 2013	AMDT: 1 DATED: 10/27/2005

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
PORTLAND, IN	PORTLAND MUNI	22 AUGUST 2013	ORIG-A

TAKEOFF MINIMUMS:

RWY 9, 27, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 09, POLES, TREES AND FENCE BEGINNING 29 FT FROM DER, 348 FT RIGHT OF CENTERLINE, UP TO 53 FT AGL/979 FT MSL. POLES AND TREES BEGINNING 102 FT FROM DER, 514 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/972 FT MSL. TREES AND POLES BEGINNING 1026 FT FROM DER, 80 FT RIGHT OF CENTERLINE, UP TO 71 FT AGL/994 FT MSL. TREES AND POLES BEGINNING 1036 FT FROM DER, 12 FT LEFT OF CENTERLINE, UP TO 46 FT AGL/972 FT MSL. TREES BEGINNING 2044 FT FROM DER, 47 FT RIGHT OF CENTERLINE, UP TO 113 FT AGL/1035 FT MSL. TREES BEGINNING 2797 FT FROM DER, 15 FT LEFT OF CENTERLINE, UP TO 104 FT AGL/1027 FT MSL.

NOTE: RWY 27, TREES BEGINNING 262 FT FROM DER, 317 FT LEFT OF CENTERLINE, UP TO 28 FT AGL/932 FT MSL. TREES 293 FT FROM DER, 474 FT RIGHT OF CENTERLINE, 16 FT AGL/922 FT MSL. BUILDING 1124 FT FROM DER, 617 FT RIGHT OF CENTERLINE, 32 FT AGL/942 FT MSL.

CONTROLLING OBSTACLES:



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
PORTLAND, IN	PORTLAND MUNI	22 AUGUST 2013	ORIG-A

REMARKS:

FLIGHT INSPECTED BY:

MICHAEL F AHERN FIOG 04/23/08

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

DEANNA M. FIELDS AJV-353 05/02/2013

APPROVED BY:

LARRY H. STROUT AJV-353 6.21.13

COORDINATED WITH:

ALPA, AOPA, NBAA, ZID, FWA APP CON, ARPT MGR

CHANGES:

1. TAKEOFF MINIMUMS: REMOVED RWY 18, 36, NA – TURF RUNWAYS.

2. TAKEOFF OBSTACLE NOTES: UPDATED.

REASONS:

1 & 2. NEW SURVEY DATA.

06/21/2013. THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/02/2013.
ADDED FC PILOT NAME/DATE.

QUALITY 4 CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DODSN	ETIRY (FO)	267.72 / 10.09	4000
RUGBB	YUING (FB)	193.31 / 10.00	4000
YUING (IAF)	ETIRY (NOPT) (FB)	195.65 / 7.53	4000
JHAWK (IAF)	ETIRY (NOPT) (FB)	116.07 / 9.10	4000
ETIRY (IF/IAF)	ILLIV (FB)	175.81 / 6.00	2600
ILLIV (FAF)	AMUME/2.00 NM TO RW17 (FB)	175.81 / 3.01	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

CLIMB TO 4000 DIRECT AVIGE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N ETIRY, RT, 175.81 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 175.81 FAF: ILLIV DIST FAF TO MAP: 5.01 THLD: 5.01
4. MIN. ALT: ETIRY 4000, ILLIV 2600, AMUME/2.00 NM TO RW17 1640*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2600 GS ALT AT: ILLIV 2600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 34:1 IS CLEAR
8. MSA FROM: RW17 3100

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 355.81 INBOUND.
CHART FAS OBST: 1030 TREE 383259N/0951514W
CHART 1390 TOWER 383741N/0951630W
WAAS CHANNEL # 86726
REFERENCE PATH ID: W17A
CHART NEW CENTURY AIRCENTER ASOS.
LTP HAE: 262.2 M

MAG VAR: 4E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1288	1 1/8	324	1288	1 1/8	324	1288	1 1/8	324		NA				
LNAV/VNAV DA	1288	1 1/8	324	1288	1 1/8	324	1288	1 1/8	324		NA				
LNAV MDA	1360	1	396	1360	1	396	1360	1 1/8	396		NA				
CIRCLING	1600	1	634	1600	1	634	1600	1 3/4	634		NA				

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
(SEE FORM 8260-10)

QUALITY A

CITY AND STATE	ELEVATION: 966 THRE: 964 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
OTTAWA, KS	OTTAWA MUNI	RNAV	RNAV (GPS) RWY 17, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 10/20/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
AMUME/2.00 NM TO RW17	RW17 (MAP) (FO)	175.81 / 2.00	
RW17 (MAP)	1288 MSL	175.81	
1288 MSL	AVIGE (FO)		4000

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DODSN ON V71 SOUTHEAST BOUND.
CHART NOTE: USE NEW CENTURY AIRCENTER ALTIMETER SETTING, WHEN NOT RECEIVED, USE LAWRENCE ALTIMETER SETTING AND INCREASE ALL DA 10 FEET AND ALL MDA 20 FEET.

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 966 THRE: 964	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
OTTAWA, KS	AIRPORT NAME: OTTAWA MUNI	RNAV	RNAV (GPS) RWY 17, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 10/20/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOWI
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	383244.3260N
LTP/FTP LONGITUDE	0951508.7105W
LTP/FTP ELLIPSOIDAL HEIGHT	+02622
FPAP LATITUDE	383115.1400N
FPAP LONGITUDE	0951508.3300W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	CFEF0EEF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02939
FPAP ORTHOMETRIC HEIGHT	+02939

QUALITY CHECKED

CITY AND STATE	ELEVATION: 966 THRE: 964	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
OTTAWA, KS	AIRPORT NAME: OTTAWA MUNI	RNAV	RNAV (GPS) RWY 17, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 10/20/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AMUME K30    W      N38344445W095150922                    E0026     NAR           AMUME
        SUSAEAENRT   AVIGE K30    W      N38205858W095150574                    E0026     NAR           AVIGE
        SUSAEAENRT   DODSN K30    R    L N38432813W095021841                    E0024     NAR           DODSN
        SUSAEAENRT   ETIRY K30    W      N38434560W095151151                    E0026     NAR           ETIRY
        SUSAEAENRT   ILLIV K30    W      N38374525W095150998                    E0026     NAR           ILLIV
        SUSAEAENRT   JHAWK K30    C    L N38481985W095251538                    E0027     NAR           JHAWK
        SUSAEAENRT   RUGBB K30    C    L N39002472W095080895                    E0025     NAR           RUGBB
        SUSAEAENRT   YUING K30    W      N38505129W095115743                    E0025     NAR           YUING

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOWIK3AOWI     0     045YHN38322059W095151070E004000966          1800018000C    MNAR     OTTAWA MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOWIK3FR17   ADODSN 010DODSNK3EA0E       IF                                          18000                A JS
        SUSAP KOWIK3FR17   ADODSN 020ETIRYK3EA0EY   020TF                    26770101    + 04000                       A JS
        SUSAP KOWIK3FR17   ADODSN 030ETIRYK3EA0EE AR   HF                    17580040    + 04000                       A JS
        SUSAP KOWIK3FR17   AJHAWK 010JHAWKK3EA0E  A    IF                                          18000                A JS
        SUSAP KOWIK3FR17   AJHAWK 020ETIRYK3EA0EE B 010TF                    11610091    + 04000                       A JS
        SUSAP KOWIK3FR17   ARUGBB 010RUGBBK3EA0E       IF                                          18000                A JS
        SUSAP KOWIK3FR17   ARUGBB 020YUINGK3EA0E  A 020TF                    19330100    + 04000                       A JS
        SUSAP KOWIK3FR17   ARUGBB 030ETIRYK3EA0EE B 010TF                    19570075    + 04000                       A JS
        SUSAP KOWIK3FR17   R       010ETIRYK3EA0E  I    IF                              + 04000    18000              A JS
        SUSAP KOWIK3FR17   R       020ILLIVK3EA1E  F 051TF                    17580060    + 02600              RW17  K3PGA JS
        SUSAP KOWIK3FR17   R       020ILLIVK3EA2WALPV       ALNAV/VNAV ALNAV                                          JS
        SUSAP KOWIK3FR17   R       021AMUMEK3EA0E S  031TF                    17580030    V 0164001641       -300         A JS
        SUSAP KOWIK3FR17   R       030RW17 K3PGOGY M 031TF                    17580020      01004            -300         A JS
        SUSAP KOWIK3FR17   R       040         0  M     CA                    1758        + 01288                       A JS
        SUSAP KOWIK3FR17   R       050AVIGEK3EA0EY      DF                                + 04000                       A JS
        SUSAP KOWIK3FR17   R       060AVIGEK3EA0EE  R   HM                    35580040    + 04000                       A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOWIK3GRW17    0045001758 N38324433W095150871+0000     +0262200964000040075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 986 THRE: 964	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OTTAWA, KS	AIRPORT NAME: **OTTAWA MUNI**	**RNAV**	**RNAV (GPS) RWY 17, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **10/20/2011**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
SUSAP KOWIK3PR17   RW17 001 0000W17A0N3832443260W09515087105+026220300N3831151400W095150833001067513760004 00F400500CFEF0EEF
SUSAP KOWIK3PR17   RW17 002E      +02939+02939LPV       86726

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
SUSAP KOWIK3SRW17 K3PG              0   18018003125                                                                          M
```

CITY AND STATE	ELEVATION: 966 THRE: 964	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OTTAWA, KS	AIRPORT NAME: OTTAWA MUNI	RNAV	RNAV (GPS) RWY 17, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 10/20/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DODSN	DODSN	010		IF		FB					
	DODSN	ETIRY	020		TF		FO	2.0	267.7(271.7T)	010.1	AA 04000	
	DODSN	ETIRY	030	IAF	HF	R	FO		175.8(179.8T)	004.0	AA 04000	
	JHAWK	JHAWK	010	IAF	IF		FB					
	JHAWK	ETIRY	020		TF		FB	1.0	116.1(120.1T)	009.1	AA 04000	
	RUGBB	RUGBB	010		IF		FB					
	RUGBB	YUING	020	IAF	TF		FB	2.0	193.3(197.3T)	010.0	AA 04000	
	RUGBB	ETIRY	030		TF		FB	1.0	195.7(199.7T)	007.5	AA 04000	
		ETIRY	010	FACF	IF		FB				AA 04000	
		ILLIV	020	FAF	TF		FB	0.5	175.8(179.8T)	006.0	AA 02600	
		AMUME	021	SDF	TF		FB	0.3	175.8(179.8T)	003.0	AA 01640 GS 01641	
		RW17	030	MAP	TF		FO	0.3	175.8(179.8T)	002.0	AT 01004	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		175.8(179.8T)		AA 01288	
	AVIGE	050		DF		FO				AA 04000	
	AVIGE	060		HM	R	FO		355.8(359.8T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AMUME	N383444.45	W0951509.22	N3834.741	W09515.154
	AVIGE	N382058.58	W0951505.74	N3820.976	W09515.096
	DODSN	N384328.13	W0950218.41	N3843.469	W09502.307
	ETIRY	N384345.60	W0951511.51	N3843.760	W09515.192
	ILLIV	N383745.25	W0951509.98	N3837.754	W09515.166
	JHAWK	N384819.85	W0952515.38	N3848.331	W09525.256
	RUGBB	N390024.72	W0950808.95	N3900.412	W09508.149
	YUING	N385051.29	W0951157.43	N3850.855	W09511.957
	RW17	N383244.33	W0951508.71	N3832.739	W09515.145

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00964	40

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 966 THRE: 964 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OTTAWA, KS	OTTAWA MUNI	RNAV	RNAV (GPS) RWY 17, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 10/20/2011

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ERXOL (IAF)	AVIGE (NOPT) (FB)	304.48 / 6.47	4000
UDCOS (IAF)	AVIGE (NOPT) (FB)	052.68 / 7.03	4000
AVIGE (IF/IAF)	EGVOW (FB)	355.81 / 6.00	2600
EGVOW (FAF)	OSCEO/2.00 NM TO RW35 (FB)	355.81 / 3.01	
OSCEO/2.00 NM TO RW35	RW35 (MAP) (FO)	355.81 / 2.00	
RW35 (MAP)	1238 MSL	355.81	
1238 MSL	ETIRY (FO)		4000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

CLIMB TO 4000 DIRECT ETIRY AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S AVIGE, RT, 355.81 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 355.81 FAF: EGVOW DIST FAF TO MAP: 5.01 THLD: 5.01
4. MIN. ALT: AVIGE 4000, EGVOW 2600, OSCEO/2.00 NM TO RW35 1640*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2600 GS ALT AT: EGVOW 2600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM: RW35 3100

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 175.81 INBOUND.
CHART FAS OBST: 1062 SILO 383031N/0951554W
1219 AAO 382643N/0951336W
DISTANCE TO THLD FROM 274 HATH: 0.73 NM.
WAAS CHANNEL # 62925
REFERENCE PATH ID: W35A
CHART NEW CENTURY AIRCENTER ASOS.
LTP HAE: 262.2 M

MAG VAR: 4E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A | X |

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1238	7/8	274	1238	7/8	274	1238	7/8	274		NA				
LNAV/VNAV DA	1288	1 1/8	324	1288	1 1/8	324	1288	1 1/8	324		NA				
LNAV MDA	1400	1	436	1400	1	436	1400	1 1/4	436		NA				
CIRCLING	1600	1	634	1600	1	634	1600	1 3/4	634		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
*LNAV ONLY
CHART NOTE: USE NEW CENTURY AIRCENTER ALTIMETER SETTING; WHEN NOT RECEIVED, USE LAWRENCE ALTIMETER (SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 966 THRE: 964 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
OTTAWA, KS	OTTAWA MUNI	RNAV	RNAV (GPS) RWY 35, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 10/20/2011

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
SETTING AND INCREASE ALL DA 10 FEET, LNAV AND CIRCLING MDA 20 FEET. INCREASE LPV ALL CATS AND LNAV CAT C VISIBILITY 1/8 MILE.
CHART NOTE: BARO-VNAV NA.

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 966 THRE: 964	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
OTTAWA, KS	AIRPORT NAME: OTTAWA MUNI	RNAV	RNAV (GPS) RWY 35, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 10/20/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOWI
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	383159.8550N
LTP/FTP LONGITUDE	0951508.5175W
LTP/FTP ELLIPSOIDAL HEIGHT	+02622
FPAP LATITUDE	383329.0500N
FPAP LONGITUDE	0951508.9000W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	CB7999BA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02939
FPAP ORTHOMETRIC HEIGHT	+02939

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   AVIGE K30    W     N38205858W095150574                      E0026     NAR           AVIGE
         SUSAEAENRT   EGVOW K30    W     N38265888W095150725                      E0026     NAR           EGVOW
         SUSAEAENRT   ERXOL K30    C   L N38165686W095083924                      E0025     NAR           ERXOL
         SUSAEAENRT   ETIRY K30    W     N38434560W095151151                      E0026     NAR           ETIRY
         SUSAEAENRT   OSCEO K30    W     N38295974W095150801                      E0026     NAR           OSCEO
         SUSAEAENRT   UDCOS K30    C   L N38170687W095223374                      E0027     NAR           UDCOS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KOWIK3AOWI     0     045YHN38322059W095151070E004000966          1800018000C    MNAR    OTTAWA MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KOWIK3FR35   AAVIGE 010AVIGEK3EA0EE AR   HF                      35580040    + 04000     18000                A JS
         SUSAP KOWIK3FR35   AERXOL 010ERXOLK3EA0E  A    IF                                          18000                A JS
         SUSAP KOWIK3FR35   AERXOL 020AVIGEK3EA0EE B 010TF                       30450065    + 04000                          A JS
         SUSAP KOWIK3FR35   AUDCOS 010UDCOSK3EA0E  A    IF                                          18000                A JS
         SUSAP KOWIK3FR35   AUDCOS 020AVIGEK3EA0EE B 010TF                       05270070    + 04000                          A JS
         SUSAP KOWIK3FR35   R      010AVIGEK3EA0E  I    IF                                  + 04000 18000                A JS
         SUSAP KOWIK3FR35   R      020EGVOWK3EA1E  F 051TF                       35580060    + 02600                RW35  K3PGA JS
         SUSAP KOWIK3FR35   R      020EGVOWK3EA2WALPV      ALNAV/VNAV ALNAV                                                   JS
         SUSAP KOWIK3FR35   R      021OSCEOK3EA0E S  031TF                       35580030    V 0164001641      -300           A JS
         SUSAP KOWIK3FR35   R      030RW35 K3PG0GY M 031TF                       35580020      01004           -300           A JS
         SUSAP KOWIK3FR35   R      040         0  M     CA                       3558        + 01238                          A JS
         SUSAP KOWIK3FR35   R      050ETIRYK3EA0EY       DF                                  + 04000                          A JS
         SUSAP KOWIK3FR35   R      060ETIRYK3EA0EE  R    HM                       17580040    + 04000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KOWIK3GRW35    0045003558 N38315986W095150852+0000    +02622009640000040075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KOWIK3PR35   RW35 001 0000W35A0N3831598550W0951508500175+026220300N3833290500W095150890001067513760004000F400500CB7999BA
         SUSAP KOWIK3PR35   RW35 002E      +02939+02939LPV       62925

                 1         2         3         4         5         6         7         8         9         0         1         2         3
```

VALID

4

CHECKED

CITY AND STATE	ELEVATION: 966 THRE: 964	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OTTAWA, KS	AIRPORT NAME: **OTTAWA MUNI**	**RNAV**	**RNAV (GPS) RWY 35, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG** DATED: **10/20/2011**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KOWIK3SRW35 K3PG              0   18018003125                                                          M
```

QUALITY

CITY AND STATE	ELEVATION: 966 THRE: 964	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OTTAWA, KS	AIRPORT NAME: OTTAWA MUNI	RNAV	RNAV (GPS) RWY 35, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 10/20/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AVIGE	AVIGE	010	IAF	HF	R	FO		355.8(359.8T)	004.0	AA 04000	
	ERXOL	ERXOL	010	IAF	IF		FB					
	ERXOL	AVIGE	020		TF		FB	1.0	304.5(308.5T)	006.5	AA 04000	
	UDCOS	UDCOS	010	IAF	IF		FB					
	UDCOS	AVIGE	020		TF		FB	1.0	052.7(056.7T)	007.0	AA 04000	
		AVIGE	010	FACF	IF		FB				AA 04000	
		EGVOW	020	FAF	TF		FB	0.5	355.8(359.8T)	006.0	AA 02600	
		OSCEO	021	SDF	TF		FB	0.3	355.8(359.8T)	003.0	AA 01640 GS 01641	
		RW35	030	MAP	TF		FO	0.3	355.8(359.8T)	002.0	AT 01004	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		355.8(359.8T)		AA 01238	
	ETIRY	050		DF		FO				AA 04000	
	ETIRY	060		HM	R	FO		175.8(179.8T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AVIGE	N382058.58	W0951505.74	N3820.976	W09515.096
	EGVOW	N382658.88	W0951507.25	N3826.981	W09515.121
	ERXOL	N381656.86	W0950839.24	N3816.948	W09508.654
	ETIRY	N384345.60	W0951511.51	N3843.760	W09515.192
	OSCEO	N382959.74	W0951508.01	N3829.996	W09515.134
	UDCOS	N381706.87	W0952233.74	N3817.115	W09522.562
	RW35	N383159.86	W0951508.52	N3831.998	W09515.142

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	00964	40



CITY AND STATE	ELEVATION: 966 THRE: 964 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OTTAWA, KS	**OTTAWA MUNI**	**RNAV**	**RNAV (GPS) RWY 35, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **10/20/2011**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 22 AUGUST 2013

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 963 TDZE: 961	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MONTICELLO, KY	AIRPORT NAME: **WAYNE COUNTY**	**GPS**	**GPS RWY 3, ORIG-A, 03/10/2011**	AMDT **ORIG**
				DATE **04/13/2006**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 22 AUGUST 2013

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 963 TDZE: 963	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MONTICELLO, KY	AIRPORT NAME: **WAYNE COUNTY**	**GPS**	**GPS RWY 21, ORIG-A, 03/10/2011**	AMDT **ORIG**
				DATE **07/17/1997**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UNNOG (IF/IAF)	OREWO (FB)	038.66 / 7.00	3000
OREWO (FAF)	ZOBKU/2.90 NM TO RW03 (FB)	038.71 / 2.88	
ZOBKU/2.90 NM TO RW03	RW03 (MAP) (FO)	038.71 / 2.90	
RW03 (MAP)	1231 MSL	038.71	
1231 MSL	FIBKE (FO)		4000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW03

CLIMB TO 4000 DIRECT FIBKE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 218.85 INBOUND.
CHART FAS OBST: 1266 TREE 365059N/0845053W
CHART 1560 TREE 364829N/0845352W.
DISTANCE TO THLD FROM 272 HATH: 0.67 NM.
WAAS CHANNEL # 78233
REFERENCE PATH ID: W03A
LTP HAE: 261.8 M
CHART CIRCLING ICON.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW UNNOG, RT, 038:66 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 038.71 FAF: OREWO DIST FAF TO MAP: 5.78 THLD: 5.78
4. MIN. ALT: UNNOG 4000, OREWO 3000, ZOBKU/2.90 NM TO RW03 2000*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: OREWO 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.26 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 3W EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1231	1	272	1231	1	272		NA			NA				
LNAV/VNAV DA	1408	1 3/8	449	1408	1 3/8	449		NA			NA				
LNAV MDA	1520	1	561	1520	1	561		NA			NA				
CIRCLING	1780	1 1/4	817	1840	1 1/4	877		NA			NA				

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING SOMERSET ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

@ CATS A, B 900-2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 4 CHECK

CITY AND STATE	ELEVATION: 963 THRE: 959	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MONTICELLO, KY	AIRPORT NAME: WAYNE COUNTY	RNAV	RNAV (GPS) RWY 3, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
*LNAV ONLY
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOMERSET ALTIMETER SETTING AND INCREASE ALL DA 44 FT AND ALL MDA 60 FT AND INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.
CHART NOTE: RWY 3 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	309/30 CW 129/30 (NOPT)	309/10 CW 129/10	4600
2.	309/10 CW 129/10	UNNOG (IF/IAF) (FB)	4000
3.	129/30 CW 309/30	129/10 CW 309/10	4700
4.	129/10 CW 309/10	UNNOG (IF/IAF) (FO)	4000

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 963 THRE: 959	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MONTICELLO, KY	AIRPORT NAME: WAYNE COUNTY	RNAV	RNAV (GPS) RWY 3, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEKQ
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	365102.9020N
LTP/FTP LONGITUDE	0845136.4320W
LTP/FTP ELLIPSOIDAL HEIGHT	+02618
FPAP LATITUDE	365215.3000N
FPAP LONGITUDE	0845031.5500W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.26
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	EAAC450E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02922
FPAP ORTHOMETRIC HEIGHT	+02922

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 963 THRE: 959	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MONTICELLO, KY	AIRPORT NAME: WAYNE COUNTY	RNAV	RNAV (GPS) RWY 3, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FIBKE K50    W     N37022197W084412633                    W0051     NAR           FIBKE
        SUSAEAENRT   OREWO K50    W     N36462089W084554872                    W0049     NAR           OREWO
        SUSAEAENRT   UNNOG K50    W     N36403940W085005336                    W0048     NAR           UNNOG
        SUSAEAENRT   ZOBKU K50    W     N36484148W084534303                    W0050     NAR           ZOBKU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEKQK5AEKQ     0     040YHN36511900W084512210W003000963          1800018000C    MNAR    WAYNE COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEKQK5FR03   AUNNOG 010UNNOGK5EA0EE AR   HF                    03870040    + 04000     18000                A JS
        SUSAP KEKQK5FR03   R       010UNNOGK5EA0E  I    IF                                + 04000     18000                A JS
        SUSAP KEKQK5FR03   R       020OREWOK5EA1E  F 051TF                    03870070    + 03000                          A JS
        SUSAP KEKQK5FR03   R       020OREWOK5EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KEKQK5FR03   R       021ZOBKUK5EA0E S  031TF                    03870029    V 0200002002        -326         A JS
        SUSAP KEKQK5FR03   R       030RW03 K5PG0GY M 031TF                    03870029      00999             -326         A JS
        SUSAP KEKQK5FR03   R       040          0  M     CA                   0387        + 01231                          A JS
        SUSAP KEKQK5FR03   R       050FIBKEK5EA0EY       DF                              + 04000                          A JS
        SUSAP KEKQK5FR03   R       060FIBKEK5EA0EE  R    HM                   21890040    + 04000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEKQK5GRW03     0040000388 N36510290W084513643+0100     +02618009590000040075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEKQK5PR03   RW03 001 0000W03A0N3651029020W08451364320+026180326N3652153000W0845031550010675152800040OF400500EAAC450E
        SUSAP KEKQK5PR03   RW03 002E       +02922+02922LPV       78233
```

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: **963** **THRE: 959**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MONTICELLO, KY	AIRPORT NAME: **WAYNE COUNTY**	**RNAV**	**RNAV (GPS) RWY 3, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	UNNOG	UNNOG	010	IAF	HF	R	FO		038.7(035.7T)	004.0	AA 04000	
		UNNOG	010	FACF	IF		FB				AA 04000	
		OREWO	020	FAF	TF		FB	0.5	038.7(035.7T)	007.0	AA 03000	
		ZOBKU	021	SDF	TF		FB	0.3	038.7(035.7T)	002.9	AA 02000 GS 02002	
		RW03	030	MAP	TF		FO	0.3	038.7(035.7T)	002.9	AT 00999	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		038.7(035.7T)		AA 01231	
	FIBKE	050		DF		FO				AA 04000	
	FIBKE	060		HM	R	FO		218.9(215.9T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FIBKE	N370221.97	W0844126.33	N3702.366	W08441.439
	OREWO	N364620.89	W0845548.72	N3646.348	W08455.812
	UNNOG	N364039.40	W0850053.36	N3640.657	W08500.889
	ZOBKU	N364841.48	W0845343.03	N3648.691	W08453.717
	RW03	N365102.90	W0845136.43	N3651.048	W08451.607

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03	00959	40

CITY AND STATE	ELEVATION: **963** **THRE: 959**	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./ EFFECTIVE DATE:	SUP:
MONTICELLO, KY	AIRPORT NAME: **WAYNE COUNTY**	**RNAV**	**RNAV (GPS) RWY 3, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FIBKE (IF/IAF)	ZUGTO (FB)	218.85 / 7.32	2900
ZUGTO (FAF)	OKACA/3.00 NM TO RW21 (FB)	218.79 / 2.96	
OKACA/3.00 NM TO RW21	RW21 (MAP) (FO)	218.79 / 3.00	
RW21 (MAP)	1257 MSL	218.79	
1257 MSL	UNNOG (FO)		4000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW21

CLIMB TO 4000 DIRECT UNNOG AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 038.66 INBOUND.
CHART FAS OBST: 1419 TREE 365309N/0845051W
DISTANCE TO THLD FROM 294 HATH: 0.80 NM.
CHART VDP AT 1.81 MILES TO RW21*
WAAS CHANNEL # 82533
REFERENCE PATH ID: W21A
LTP HAE: 263 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE FIBKE, RT, 218.85 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 218.79 FAF: ZUGTO DIST FAF TO MAP: 5.96 THLD: 5.96
4. MIN. ALT: FIBKE 4000, ZUGTO 2900, OKACA/3.00 NM TO RW21 1940*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2900 GS ALT AT: ZUGTO 2900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 3W EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1257	1	294	1257	1	294		NA			NA				
LNAV/VNAV DA	1633	2 1/2	670	1633	2 1/2	670		NA			NA				
LNAV MDA	1580	1	617	1580	1	617		NA			NA				
CIRCLING	1780	1 1/4	817	1840	1 1/4	877		NA			NA				

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING SOMERSET ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 16C (4F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
(SEE FORM 8260-10)

@ CAT A 900-2, CAT B 900-2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 963 THRE: 963 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MONTICELLO, KY	WAYNE COUNTY	RNAV	RNAV (GPS) RWY 21, ORIG 22 AUGUST 2013	AMDT: NONE DATED

NOTES, (CONT.):
CHART NOTE: VDP NA WITH SOMERSET ALTIMETER SETTING.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOMERSET ALTIMETER SETTING AND INCREASE ALL DA 44 FT AND ALL MDA 60 FT; INCREASE LPV ALL CATS VISIBILITY 1/8 MILE AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.
CHART NOTE: CIRCLING TO RWY 3 NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	129/30 CW 309/30 (NOPT)	FIBKE (IF/IAF) (FB)	4000
2.	309/30 CW 129/30	FIBKE (IF/IAF) (FO)	4000

QUALITY 2 CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEKQ
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	365134.9945N
LTP/FTP LONGITUDE	0845107.6750W
LTP/FTP ELLIPSOIDAL HEIGHT	+02630
FPAP LATITUDE	365022.5800N
FPAP LONGITUDE	0845212.5300W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	BEEB2A66

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02934
FPAP ORTHOMETRIC HEIGHT	+02934

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 963 THRE: 963	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MONTICELLO, KY	AIRPORT NAME: WAYNE COUNTY	RNAV	RNAV (GPS) RWY 21, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FIBKE K50    W     N37022197W084412633                    W0051     NAR           FIBKE
        SUSAEAENRT   OKACA K50    W     N36540124W084485657                    W0050     NAR           OKACA
        SUSAEAENRT   UNNOG K50    W     N36403940W085005336                    W0048     NAR           UNNOG
        SUSAEAENRT   ZUGTO K50    W     N36562542W084464714                    W0051     NAR           ZUGTO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEKQK5AEKQ     0     040YHN36511900W084512210W003000963         1800018000C    MNAR    WAYNE COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEKQK5FR21   AFIBKE 010FIBKEK5EA0EE AR   HF                    21890040    + 04000     18000                A JS
        SUSAP KEKQK5FR21   R       010FIBKEK5EA0E  I    IF                                + 04000     18000                A JS
        SUSAP KEKQK5FR21   R       020ZUGTOK5EA1E  F 051TF                    21890073    + 02900                          A JS
        SUSAP KEKQK5FR21   R       020ZUGTOK5EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KEKQK5FR21   R       021OKACAK5EA0E S  031TF                    21880030    V 0194001958        -300         A JS
        SUSAP KEKQK5FR21   R       030RW21 K5PG0GY M 031TF                    21880030      01003             -300         A JS
        SUSAP KEKQK5FR21   R       040         0  M     CA                    2188        + 01257                        A JS
        SUSAP KEKQK5FR21   R       050UNNOGK5EA0EY       DF                    2188        + 04000                        A JS
        SUSAP KEKQK5FR21   R       060UNNOGK5EA0EE  R    HM                    03870040    + 04000                        A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEKQK5GRW21    0040002188 N36513499W084510768-0100    +026300096300004007 5R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEKQK5PR21   RW21 001 0000W21A0N36513499 45W08451076750+026300300N36502258 00W084521253001067515280004 00F400500BEEB2A66
        SUSAP KEKQK5PR21   RW21 002E      +02934+02934LPV       82533
```

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 963 THRE: 963	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MONTICELLO, KY	AIRPORT NAME: **WAYNE COUNTY**	**RNAV**	**RNAV (GPS) RWY 21, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FIBKE	FIBKE	010	IAF	HF	R	FO		218.9(215.9T)	004.0	AA 04000	
		FIBKE	010	FACF	IF		FB				AA 04000	
		ZUGTO	020	FAF	TF		FB	0.5	218.9(215.9T)	007.3	AA 02900	
		OKACA	021	SDF	TF		FB	0.3	218.8(215.8T)	003.0	AA 01940 GS 01958	
		RW21	030	MAP	TF		FO	0.3	218.8(215.8T)	003.0	AT 01003	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		218.8(215.8T)		AA 01257	
		UNNOG	050		DF		FO		218.8(215.8T)		AA 04000	
		UNNOG	060		HM	R	FO		038.7(035.7T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FIBKE	N370221.97	W0844126.33	N3702.366	W08441.439
	OKACA	N365401.24	W0844856.57	N3654.021	W08448.943
	UNNOG	N364039.40	W0850053.36	N3640.657	W08500.889
	ZUGTO	N365625.42	W0844647.14	N3656.424	W08446.786
	RW21	N365134.99	W0845107.68	N3651.583	W08451.128

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	00963	40

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 963 THRE: 963	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MONTICELLO, KY	AIRPORT NAME: WAYNE COUNTY	RNAV	RNAV (GPS) RWY 21, ORIG 22 AUGUST 2013	AMDT: NONE DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
PRESTONSBURG, KY	**BIG SANDY RGNL**	22 AUGUST 2013	**1A**

TAKEOFF MINIMUMS:

RWY 3, 21 – STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 21, MULTIPLE TREES AND POLES BEGINNING 250 FT FROM DER, 11 FT RIGHT OF CENTERLINE, UP TO 72 FT AGL/1272 FT MSL. MULTIPLE TREES AND POLES BEGINNING 294 FT FROM DER, 35 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/1283 FT MSL.

CONTROLLING OBSTACLES:

QUALITY 1 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
PRESTONSBURG, KY	**BIG SANDY RGNL**	22 AUGUST 2013	**1A**

REMARKS:

FLIGHT INSPECTED BY:

for DAVID L PALMER 06/13/2006

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

for HOWARD L HAWKINS JR AJV-352 05/02/2013

APPROVED BY:

for SUE CRUMB AJV-352 JUN 17 2013

COORDINATED WITH:

ATA, AOPA, NBAA, ZID, HUNTINGTON ATCT

CHANGES:

AIRPORT ID CHANGED FROM KK22 TO KSJS. NAME CHANGED FROM BIG SANDY REGIONAL TO BIG SANDY RGNL.

REASONS:

FPT REQUEST

QUALITY 1 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MLU VORTAC	CRABS/MLU 5.00 DME	213.61 / 5.00	2600
ZETEG/MLU 12.00 DME CCW (IAF)	TYRON/MLU 12.00 DME (NOPT)	12.00 DME ARC	2000
WOVAS/MLU 12.00 DME CW (IAF)	TYRON/MLU 12.00 DME (NOPT)	12.00 DME ARC	2000
TYRON/MLU 12.00 DME (IF)	CRABS/MLU 5.00 DME	033.61 / 7.00 (MLU R-214)	1500

MISSED APPROACH

MAP: ZASTU/ 0.92 DME FIX

CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 3000 DIRECT MLU VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 033.61 INBOUND.
CHART FAS OBST: 200 TWR 322958N/0920353W
CHART: 217 TOWER 322834N/0920322W
CHART: ASR.
CHART MLU R-318 AT ZETEG.
CHART MLU R-089 AT WOVAS.
UJZEW TO RW04: 3.37/50.
CHART CIRCLING ICON.
FAC CROSSES RWY C/L EXTENDED 3002 FROM THLD.

1. PT L SIDE OF COURSE 213.61 OUTBOUND 2600 FT WITHIN 10 MILES OF CRABS (IAF)
2.
3. FAC 033.61 FAF CRABS/MLU 5.00 DME DIST FAF TO MAP THLD 4.08
4. MIN. ALT CRABS 1500, UJZEW/MLU 2.19 DME 580
8. MSA FROM: MLU VORTAC 140-230 3100, 230-140 2200

MAG VAR: 3E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-4	460	2400	384	460	2400	384	460	4000	384	460	4000	384			
CIRCLING	580	1	501	620	1	541	740	1 3/4	661	1160	3	1081			

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: CIRCLING TO RWY 14 NA AT NIGHT.

@ CAT D 1100-3

CITY AND STATE	ELEVATION: 79 THRE: 76 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MONROE, LA	MONROE RGNL	MLU	VOR/DME RWY 4, AMDT 3, 08/22/2013	AMDT 2
				DATE 11/15/2012

FAA FORM 8260-5 / April 2006 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MLU VORTAC	BAZIL/MLU 5.00 DME	148.47 / 5.00	2000
YAKUC/MLU 12.00 DME CCW (IAF)	COLEM/MLU 12.00 DME (NOPT)	12.00 DME ARC	2000
WOVAS/MLU 12.00 DME CW (IAF)	COLEM/MLU 12.00 DME (NOPT)	12.00 DME ARC	2000
COLEM/MLU 12.00 DME (IF)	BAZIL/MLU 5.00 DME	328.47 / 7.00 (MLU R-148)	1600

MISSED APPROACH

MAP: ZOLAT/ 0.69 DME FIX

CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 3000 DIRECT MLU VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 033.61 INBOUND.
CHART FAS OBST: 192 TREE 323018N/0920132W
CHART MLU R-262 AT YAKUC.
CHART MLU R-089 AT WOVAS.
BAZIL TO RW32: 3.22/50.
CHART CIRCLING ICON.
FAC CROSSES RWY C/L EXTENDED 3003 FROM THLD.

1. PT L SIDE OF COURSE 148.47 OUTBOUND 2000 FT WITHIN 10 MILES OF BAZIL (IAF)
2.
3. FAC 328.47 FAF BAZIL/MLU 5.00 DME DIST FAF TO MAP THLD 4.31
4. MIN. ALT BAZIL 1600, UCXEB/MLU 2.03 DME 580
8. MSA FROM: MLU VORTAC 140-230 3100, 230-140 2200

MAG VAR: 3E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-32	460	1	385	460	1	385	460	1 1/8	385	460	1 1/8	385			
CIRCLING	580	1	501	620	1	541	740	1 3/4	661	1160	3	1081			

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: CIRCLING TO RWY 14 NA AT NIGHT.

@ CAT D 1100-3

CITY AND STATE	ELEVATION: 79 THRE: 75 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MONROE, LA	MONROE RGNL	MLU	VOR/DME RWY 32, AMDT 4, 08/22/2013	AMDT 3
				DATE 11/15/2012

FAA FORM 8260-5 / April 2006 (computer generated)

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CMX VOR/DME	FAXET (FO)	248.34 / 12.25	3700
OGM NDB (IAF)	FAXET (NOPT) (FB)	062.00 / 28.74	3700
FAXET (IF/IAF)	CEDAG (FB)	068.68 / 6.00	2900
CEDAG (FAF)	WUMRO/2.90 NM TO RW07 (FB)	068.78 / 2.71	
WUMRO/2.90 NM TO RW07	RW07 (MAP) (FO)	068.78 / 2.90	
RW07 (MAP)	1423 MSL	068.78	
1423 MSL	ZORIV (FO)		3700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW07

CLIMB TO 3700 DIRECT ZORIV AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W FAXET, RT, 068.68 INBOUND, 3700 FT. IN LIEU OF PT (IAF)
3. FAC: 068.78 FAF: CEDAG DIST FAF TO MAP: 5.61 THLD: 5.61
4. MIN. ALT: FAXET 3700, CEDAG 2900, WUMRO/2.90 NM TO RW07 2020*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2900 GS ALT AT: CEDAG 2900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR
8. MSA FROM: RW07 3300

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 249.07 INBOUND.
CHART FAS OBST: 1399 TOWER 470827N/0883227W
CHART: 1535 TOWER 470806N/0883355W
CHART BIG BEAR MOA.
CHART ONTONAGON MOA.
DISTANCE TO THLD FROM 364 HATH: 0.97 NM.
CHART VDP AT 1.73 MILES TO RW07*
*LNAV ONLY.
WAAS CHANNEL # 58233
REFERENCE PATH ID: W07A
CHART CIRCLING ICON
LTP HAE: 288.7 M

MAG VAR: 2W EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1423	1 1/8	364	1423	1 1/8	364	1423	1 1/8	364	1423	1 1/8	364			
LNAV/VNAV DA	1590	1 3/4	531	1590	1 3/4	531	1590	1 3/4	531	1590	1 3/4	531			
LNAV MDA	1640	1	581	1640	1	581	1640	1 3/4	581	1640	1 3/4	581			
CIRCLING	1640	1	545	1660	1	565	1700	1 3/4	605	1900	2 1/2	805			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CMX VOR/DME AIRWAY RADIALS 171 CW 332. (SEE FORM 8260-10)

@ CAT D 900-2 1/2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 1095 THRE: 1059 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HANCOCK, MI	HOUGHTON COUNTY MEMORIAL	RNAV	RNAV (GPS) RWY 7, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A DATED 02/09/2012

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NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MARQUETTE ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MARQUETTE ALTIMETER SETTING AND INCREASE ALL DA 171 FEET AND ALL MDA 180 FEET. INCREASE LPV ALL CATS VISIBILITY 5/8 MILE, LNAV/VNAV ALL CATS VISIBILITY 3/4 MILE, LNAV AND CIRCLING CAT B VISIBILITY 1/4 MILE, LNAV CATS C/D AND CIRCLING CAT C VISIBILITY 3/4 MILE AND CIRCLING CAT D VISIBILITY 1/2 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CITY AND STATE	ELEVATION: 1095 THRE: 1059	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HANCOCK, MI	AIRPORT NAME: HOUGHTON COUNTY MEMORIAL	RNAV	RNAV (GPS) RWY 7, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A
				DATED: 02/09/2012

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCMX
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	470951.4040N
LTP/FTP LONGITUDE	0882955.5980W
LTP/FTP ELLIPSOIDAL HEIGHT	+02887
FPAP LATITUDE	471026.3700N
FPAP LONGITUDE	0882755.5000W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	4D1AB28D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03228
FPAP ORTHOMETRIC HEIGHT	+03228

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ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD       CMX   K5011280VDLA N47101293W088290742    N47101293W088290742W0020010711     NARHOUGHTON
          SUSADB      OGM   K5003750H MW N46510068W089215874                    W0000            NARONTONAGON

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT  CEDAG K50   W     N47073903W088372878                   W0040     NAR           CEDAG
          SUSAEAENRT  FAXET K50   W     N47051688W088453294                   W0039     NAR           FAXET
          SUSAEAENRT  WUMRO K50   W     N47084302W088335002                   W0041     NAR           WUMRO
          SUSAEAENRT  ZORIV K50   W     N47143609W088133303                   W0044     NAR           ZORIV

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCMXK5ACMX     0     065YHN47100630W088292062W002001095         1800018000C    MNAR    HOUGHTON COUNTY MEMORIAL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCMXK5FR07   ACMX   010CMX  K5D 0V       IF                                          18000                A JS
          SUSAP KCMXK5FR07   ACMX   020FAXETK5EA0EY   020TF                    24830123    + 03700                      A JS
          SUSAP KCMXK5FR07   ACMX   030FAXETK5EA0EE AR   HF                    06870040    + 03700                      A JS
          SUSAP KCMXK5FR07   AOGM   010OGM  K5DB0N  A    IF                                          18000                A JS
          SUSAP KCMXK5FR07   AOGM   020FAXETK5EA0EE B 010TF                    06200287    + 03700                      A JS
          SUSAP KCMXK5FR07   R      010FAXETK5EA0E  I    IF                                 + 03700  18000                A JS
          SUSAP KCMXK5FR07   R      020CEDAGK5EA1E  F 010TF                    06870060    + 02900              RW07  K5PGA JS
          SUSAP KCMXK5FR07   R      020CEDAGK5EA2WALPV       ALNAV/VNAV ALNAV                                             JS
          SUSAP KCMXK5FR07   R      021WUMROK5EA0E S  031TF                    06880027    V 0202002038    -300         A JS
          SUSAP KCMXK5FR07   R      030RW07 K5PG0GY M 031TF                    06880029      01114         -300         A JS
          SUSAP KCMXK5FR07   R      040         0  M     CA                    0688        + 01423                      A JS
          SUSAP KCMXK5FR07   R      050ZORIVK5EA0EY      DF                                 + 03700                      A JS
          SUSAP KCMXK5FR07   R      060ZORIVK5EA0EE  R   HM                    24910040    + 03700                      A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCMXK5GRW07    0052010689 N47095140W088295560+0300    +02887010590000055100R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
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CITY AND STATE	ELEVATION: 1095 THRE: 1059	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HANCOCK, MI	AIRPORT NAME: HOUGHTON COUNTY MEMORIAL	RNAV	RNAV (GPS) RWY 7, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A DATED: 02/09/2012

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SUSAP KCMXK5PR07    RW07 001 0000W07A0N470951404 0W08829555980+028870300N471026370 0W088275550001067511 68000550F4005004D1AB28D
SUSAP KCMXK5PR07    RW07 002E       +03228+03228LPV        58233

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMXK5SRW07 K5PG              0    18018003325                                                                  M
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CITY AND STATE	ELEVATION: 1095 THRE: 1059	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HANCOCK, MI	AIRPORT NAME: HOUGHTON COUNTY MEMORIAL	RNAV	RNAV (GPS) RWY 7, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A
				DATED: 02/09/2012

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CMX	CMX	010		IF		FB					
	CMX	FAXET	020		TF		FO	2.0	248.3(246.3T)	012.3	AA 03700	
	CMX	FAXET	030	IAF	HF	R	FO		068.7(066.7T)	004.0	AA 03700	
	OGM	OGM	010	IAF	IF		FB					
	OGM	FAXET	020		TF		FB	1.0	062.0(060.0T)	028.7	AA 03700	
		FAXET	010	FACF	IF		FB				AA 03700	
		CEDAG	020	FAF	TF		FB	1.0	068.7(066.7T)	006.0	AA 02900	
		WUMRO	021	SDF	TF		FB	0.3	068.8(066.8T)	002.7	AA 02020	GS 02038
		RW07	030	MAP	TF		FO	0.3	068.8(066.8T)	002.9	AT 01114	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		068.8(066.8T)		AA 01423	
	ZORIV	050		DF		FO				AA 03700	
	ZORIV	060		HM	R	FO		249.1(247.1T)	004.0	AA 03700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CMX	N471012.93	W0882907.42	N4710.216	W08829.124
	OGM	N465100.68	W0892158.74	N4651.011	W08921.979
	CEDAG	N470739.03	W0883728.78	N4707.651	W08837.480
	FAXET	N470516.88	W0884532.94	N4705.281	W08845.549
	WUMRO	N470843.02	W0883350.02	N4708.717	W08833.834
	ZORIV	N471436.09	W0881333.03	N4714.602	W08813.551
	RW07	N470951.40	W0882955.60	N4709.857	W08829.927

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW07	01059	55

CITY AND STATE	ELEVATION: 1095 THRE: 1059	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./ EFFECTIVE DATE:	SUP:
HANCOCK, MI	AIRPORT NAME: HOUGHTON COUNTY MEMORIAL	RNAV	RNAV (GPS) RWY 7, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A
				DATED: 02/09/2012

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PAVGE	JOVSI (FB)	353.57 / 9.11	3700
CMX VOR/DME	BAPYA (FO)	312.24 / 12.06	3700
FEMOK (IAF)	BAPYA (NOPT) (FB)	176.45 / 9.52	3700
JOVSI (IAF)	BAPYA (NOPT) (FB)	042.60 / 7.98	3700
BAPYA (IF/IAF)	FEGOD (FB)	132.69 / 5.92	2900
FEGOD (FAF)	RW13 (MAP) (FO)	132.78 / 5.52	
RW13 (MAP)	2400 MSL	132.78	2400
2400 MSL	BAPYA (FO)		3700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

CLIMB TO 2400 THEN CLIMBING LEFT TURN TO 3700 DIRECT BAPYA AND HOLD.

ADDITIONAL FLIGHT DATA:
FAS OBST: 1299 TREE 471130N/0883054W
DISTANCE TO THLD FROM 309 HATH: 0.82 NM.
CHART VDP AT 1.32 MILES TO RW13*
*LNAV ONLY.
WAAS CHANNEL # 93533
REFERENCE PATH ID: W13A
CHART CIRCLING ICON
LTP HAE: 299.6 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW BAPYA, RT, 132.69 INBOUND, 3700 FT. IN LIEU OF PT (IAF)
3. FAC: 132.78 FAF: FEGOD DIST FAF TO MAP: 5.52 THLD: 5.52
4. MIN. ALT: BAPYA 3700, FEGOD 2900
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2900 GS ALT AT: FEGOD 2900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 46.1 34:1 IS NOT CLEAR
8. MSA FROM: RW13 3300

MAG VAR: 2W EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1404	1	309	1404	1	309	1404	1	309	1404	1	309			
LNAV/VNAV DA	1626	1 7/8	531	1626	1 7/8	531	1626	1 7/8	531	1626	1 7/8	531			
LNAV MDA	1560	1	465	1560	1	465	1560	1 3/8	465	1560	1 3/8	465			
CIRCLING	1620	1	525	1660	1	565	1700	1 3/4	605	1900	2 1/2	805			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MARQUETTE ALTIMETER SETTING.
(SEE FORM 8260-10)

@ CAT D 900-2 1/2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 1095 THRE: 1095 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HANCOCK, MI	HOUGHTON COUNTY MEMORIAL	RNAV	RNAV (GPS) RWY 13, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 11/25/2004

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MARQUETTE ALTIMETER SETTING AND INCREASE ALL DA 171 FEET AND ALL VISIBILITIES 3/4 MILE. INCREASE ALL MDA 180 FEET AND ALL CAT C/D VISIBILITIES 1/2 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CITY AND STATE	ELEVATION: 1095 THRE: 1095	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HANCOCK, MI	AIRPORT NAME: HOUGHTON COUNTY MEMORIAL	RNAV	RNAV (GPS) RWY 13, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 11/25/2004

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCMX
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	471031.1305N
LTP/FTP LONGITUDE	0882955.9460W
LTP/FTP ELLIPSOIDAL HEIGHT	+02996
FPAP LATITUDE	470932.8685N
FPAP LONGITUDE	0882817.1835W
THRESHOLD CROSSING HEIGHT (TCH)	00046.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	1B04E441

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03337
FPAP ORTHOMETRIC HEIGHT	+03337

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        CMX   K5011280VDLA N47101293W088290742    N47101293W088290742W0020010711     NARHOUGHTON

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BAPYA K50    W     N47175929W088423902                    W0040     NAR          BAPYA
        SUSAEAENRT   FEGOD K50    W     N47140762W088360381                    W0041     NAR          FEGOD
        SUSAEAENRT   FEMOK K50    C   L N47272729W088440016                    W0040     NAR          FEMOK
        SUSAEAENRT   JOVSI K50    W     N47115633W088501660                    W0038     NAR          JOVSI
        SUSAEAENRT   PAVGE K50    C   L N47025591W088481907                    W0038     NAR          PAVGE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMXK5ACMX     0     065YHN47100630W088292062W002001095          1800018000C    MNAR    HOUGHTON COUNTY MEMORIAL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMXK5FR13   ACMX    010CMX  K5D 0V       IF                                          18000                A JS
        SUSAP KCMXK5FR13   ACMX    020BAPYAK5EA0EY   020TF                  31220121    + 03700                          A JS
        SUSAP KCMXK5FR13   ACMX    030BAPYAK5EA0EE AR   HF                  13270040    + 03700                          A JS
        SUSAP KCMXK5FR13   AFEMOK  010FEMOKK5EA0E  A    IF                                          18000                A JS
        SUSAP KCMXK5FR13   AFEMOK  020BAPYAK5EA0EE B 010TF                  17650095    + 03700                          A JS
        SUSAP KCMXK5FR13   APAVGE  010PAVGEK5EA0E       IF                                          18000                A JS
        SUSAP KCMXK5FR13   APAVGE  020JOVSIK5EA0E  A 020TF                  35360091    + 03700                          A JS
        SUSAP KCMXK5FR13   APAVGE  030BAPYAK5EA0EE B 010TF                  04260080    + 03700                          A JS
        SUSAP KCMXK5FR13   R       010BAPYAK5EA0E  I    IF                             + 03700     18000                A JS
        SUSAP KCMXK5FR13   R       020FEGODK5EA1E  F 051TF                  13270059    + 02900                RW13  K5PGA JS
        SUSAP KCMXK5FR13   R       020FEGODK5EA2WALPV       ALNAV/VNAV ALNAV                                             JS
        SUSAP KCMXK5FR13   R       030RW13 K5PG0GY M 031TF                  13280055      01141           -300           A JS
        SUSAP KCMXK5FR13   R       040         0  M     CA                  1328        + 02400                          A JS
        SUSAP KCMXK5FR13   R       050BAPYAK5EA0EY  L    DF                             + 03700                          A JS
        SUSAP KCMXK5FR13   R       060BAPYAK5EA0EE  R    HM                  13270040    + 03700                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMXK5GRW13     0065001329 N47103113W088295595-0500     +029960109500004615OR

                1         2         3         4         5         6         7         8         9         0         1         2         3
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CITY AND STATE	ELEVATION: 1095 THRE: 1095	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HANCOCK, MI	AIRPORT NAME: HOUGHTON COUNTY MEMORIAL	RNAV	RNAV (GPS) RWY 13, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 11/25/2004

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

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PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMXK5PR13    RW13 001 0000W13A0N4710311305W08829559460+029960300N4709328685W088281718351067507680004 61F4005001B04E441
        SUSAP KCMXK5PR13    RW13 002E       +03337+03337LPV        93533

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMXK5SRW13 K5PG                0   18018003325                                                              M
```

CITY AND STATE	ELEVATION: 1095 THRE: 1095 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HANCOCK, MI	HOUGHTON COUNTY MEMORIAL	RNAV	RNAV (GPS) RWY 13, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 11/25/2004

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CMX	CMX	010		IF		FB					
	CMX	BAPYA	020		TF		FO	2.0	312.2(310.2T)	012.1	AA 03700	
	CMX	BAPYA	030	IAF	HF	R	FO		132.7(130.7T)	004.0	AA 03700	
	FEMOK	FEMOK	010	IAF	IF		FB					
	FEMOK	BAPYA	020		TF		FB	1.0	176.5(174.5T)	009.5	AA 03700	
	PAVGE	PAVGE	010		IF		FB					
	PAVGE	JOVSI	020	IAF	TF		FB	2.0	353.6(351.6T)	009.1	AA 03700	
	PAVGE	BAPYA	030		TF		FB	1.0	042.6(040.6T)	008.0	AA 03700	
	BAPYA	BAPYA	010	FACF	IF		FB				AA 03700	
		FEGOD	020	FAF	TF		FB	0.5	132.7(130.7T)	005.9	AA 02900	
		RW13	030	MAP	TF		FO	0.3	132.8(130.8T)	005.5	AT 01141	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		132.8(130.8T)		AA 02400	
	BAPYA	050		DF	L	FO				AA 03700	
	BAPYA	060		HM	R	FO		132.7(130.7T)	004.0	AA 03700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CMX	N471012.93	W0882907.42	N4710.216	W08829.124
	BAPYA	N471759.29	W0884239.02	N4717.988	W08842.650
	FEGOD	N471407.62	W0883603.81	N4714.127	W08836.064
	FEMOK	N472727.29	W0884400.16	N4727.455	W08844.003
	JOVSI	N471156.33	W0885016.60	N4711.939	W08850.277
	PAVGE	N470255.91	W0884819.07	N4702.932	W08848.318
	RW13	N471031.13	W0882955.95	N4710.519	W08829.933

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	01095	46

CITY AND STATE	ELEVATION: 1095	THRE: 1095	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HANCOCK, MI	AIRPORT NAME: HOUGHTON COUNTY MEMORIAL		RNAV	RNAV (GPS) RWY 13, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 11/25/2004

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: NA

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 22 AUGUST 2013

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
KALAMAZOO, MI	**ELEVATION: 874 TDZE: 867** AIRPORT NAME: **KALAMAZOO/BATTLE CREEK INTERNATIONAL**	**I-AZO**	**LOC BC RWY 17, AMDT 19, 10/25/2007**	SUP AMDT **18** DATE **04/02/1992**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
AZO VOR/DME	OSEGO (FO)	354.55 / 13.43	3000
PMM VOR/DME (IAF)	OSEGO (NOPT) (FB)	093.98 / 22.53	3000
BOHRR (IAF)	OSEGO (NOPT) (FB)	225.96 / 10.60	3000
OSEGO (IF/IAF)	SUYOD (FB)	174.09 / 7.23	2800
SUYOD (FAF)	WURAX/1.80 NM TO RW17 (FB)	174.08 / 4.15	
WURAX/1.80 NM TO RW17	RW17 (MAP) (FO)	174.08 / 1.80	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

CLIMB TO 2800 DIRECT COVAV AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 354.14 INBOUND.
CHART FAS OBST: 1016 BLDG 421417N/0853251W
CHART: ASR.
DISTANCE TO THLD FROM 289 HATH: 0.76 NM.
WAAS CHANNEL # 57933
REFERENCE PATH ID: W17A
CHART: CIRCLING ICON
LTP HAE: 228.8 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N OSEGO, RT, 174.09 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 174.08 FAF: SUYOD DIST FAF TO MAP: 5.95 THLD: 5.95
4. MIN. ALT: OSEGO 3000, SUYOD 2800, WURAX/1.80 NM TO RW17 1460*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: SUYOD 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM: RW17 3000

MAG VAR: 3W EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1148	1	289	1148	1	289	1148	1	289	1148	1	289			
LNAV/VNAV DA	1177	1	318	1177	1	318	1177	1	318	1177	1	318			
LNAV MDA	1320	1	461	1320	1	461	1320	1 3/8	461	1320	1 3/8	461			
CIRCLING	1380	1	506	1380	1	506	1480	1 3/4	606	1480	2	606			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING BATTLE CREEK ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 874 THRE: 859	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
KALAMAZOO, MI	AIRPORT NAME: KALAMAZOO/BATTLE CREEK INTL		RNAV (GPS) RWY 17, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED 10/25/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW17 (MAP)	1148 MSL	174.08	
1148 MSL	COVAV (FO)		2800

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PMM VOR/DME ON AIRWAY RADIALS 004 CW 112.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AZO VOR/DME ON V285 SOUTH BOUND.
*LNAV ONLY
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE BATTLE CREEK ALTIMETER SETTING AND INCREASE ALL DA 44 FEET AND ALL MDA 60 FEET. INCREASE LPV ALL CATS AND LNAV CAT C/D VISIBILITY 1/8 MILE. INCREASE LNAV/VNAV VISIBILITY ALL CATS 1/4 MILE.
CHART NOTE: CIRCLING TO RWY 9/27 AND 5/23 NA AT NIGHT.

CITY AND STATE	ELEVATION: 874 THRE: 859	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
KALAMAZOO, MI	AIRPORT NAME: KALAMAZOO/BATTLE CREEK INTL	RNAV	RNAV (GPS) RWY 17, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 10/25/2007

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAZO
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	421428.9360N
LTP/FTP LONGITUDE	0853306.2365W
LTP/FTP ELLIPSOIDAL HEIGHT	+02288
FPAP LATITUDE	421300.8800N
FPAP LONGITUDE	0853247.6700W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	DB025293

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02619
FPAP ORTHOMETRIC HEIGHT	+02619

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD       AZO   K5010900VDL  N42141314W085331135    N42141314W085331135W0010008701     NARKALAMAZOO
        SUSAD       PMM   K5011210VDH  N42275773W086061732    N42275773W086061732E0000006402     NARPULLMAN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT  BOHRR K50   C   L N42351653W085260587                    W0056     NAR          BOHRR
        SUSAEAENRT  COVAV K50   W     N42014346W085302562                    W0055     NAR          COVAV
        SUSAEAENRT  OSEGO K50   C   L N42273061W085355138                    W0055     NAR          OSEGO
        SUSAEAENRT  SUYOD K50   W     N42202193W085342083                    W0055     NAR          SUYOD
        SUSAEAENRT  WURAX K50   W     N42161568W085332877                    W0055     NAR          WURAX

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAZOK5AAZO     0     065YHN42140380W085330560W003000874          1800018000C    MNAR    KALAMAZOO/BATTLE CREEK INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAZOK5FR17   AAZO   010AZO  K5D 0V       IF                                          18000                A JS
        SUSAP KAZOK5FR17   AAZO   020OSEGOK5EA0EY   020TF                  35460134    + 03000                        A JS
        SUSAP KAZOK5FR17   AAZO   030OSEGOK5EA0EE AR   HF                  17410040    + 03000                        A JS
        SUSAP KAZOK5FR17   ABOHRR 010BOHRRK5EA0E  A    IF                                          18000                A JS
        SUSAP KAZOK5FR17   ABOHRR 020OSEGOK5EA0EE B 010TF                  22600106    + 03000                        A JS
        SUSAP KAZOK5FR17   APMM   010PMM  K5D 0V  A    IF                                          18000                A JS
        SUSAP KAZOK5FR17   APMM   020OSEGOK5EA0EE B 010TF                  09400225    + 03000                        A JS
        SUSAP KAZOK5FR17   R      010OSEGOK5EA0E  I    IF                              + 03000    18000                A JS
        SUSAP KAZOK5FR17   R      020SUYODK5EA1E  F 051TF                 17410072    + 02800              RW17  K5PGA JS
        SUSAP KAZOK5FR17   R      020SUYODK5EA2WALPV       ALNAV/VNAV ALNAV                                            JS
        SUSAP KAZOK5FR17   R      021WURAXK5EA0E S  031TF                 17410042    V 0146001477       -300      A JS
        SUSAP KAZOK5FR17   R      030RW17 K5PGOGY M 031TF                 17410018      00904            -300      A JS
        SUSAP KAZOK5FR17   R      040          0  M     CA                1741        + 01148                        A JS
        SUSAP KAZOK5FR17   R      050COVAVK5EA0EY       DF                            + 02800                        A JS
        SUSAP KAZOK5FR17   R      060COVAVK5EA0EE  R    HM                35410050    + 02800                        A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAZOK5GRW17    0065021741 N42142894W085330624+0100    +0228800859000045150R
```

CITY AND STATE	ELEVATION: 874 THRE: 859	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KALAMAZOO, MI	AIRPORT NAME: **KALAMAZOO/BATTLE CREEK INTL**	**RNAV**	**RNAV (GPS) RWY 17, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **10/25/2007**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAZOK5PR17    RW17 001 0000W17A0N4214289360W08533062365+022880300N4213008800W085324767001067507680000450F400500DB025293
        SUSAP KAZOK5PR17    RW17 002E       +02619+02619LPV       57933

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAZOK5SRW17 K5PG              0   18018003025                                                                    M
```

CITY AND STATE	ELEVATION: 874 THRE: 859	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KALAMAZOO, MI	AIRPORT NAME: KALAMAZOO/BATTLE CREEK INTL	RNAV	RNAV (GPS) RWY 17, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 10/25/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AZO	AZO	010		IF		FB					
	AZO	OSEGO	020		TF		FO	2.0	354.6(351.6T)	013.4	AA 03000	
	AZO	OSEGO	030	IAF	HF	R	FO		174.1(171.1T)	004.0	AA 03000	
	BOHRR	BOHRR	010	IAF	IF		FB					
	BOHRR	OSEGO	020		TF		FB	1.0	226.0(223.0T)	010.6	AA 03000	
	PMM	PMM	010	IAF	IF		FB					
	PMM	OSEGO	020		TF		FB	1.0	094.0(091.0T)	022.5	AA 03000	
		OSEGO	010	FACF	IF		FB				AA 03000	
		SUYOD	020	FAF	TF		FB	0.5	174.1(171.1T)	007.2	AA 02800	
		WURAX	021	SDF	TF		FB	0.3	174.1(171.1T)	004.2	AA 01460 GS 01477	
		RW17	030	MAP	TF		FO	0.3	174.1(171.1T)	001.8	AT 00904	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		174.1(171.1T)		AA 01148	
	COVAV	050		DF		FO				AA 02800	
	COVAV	060		HM	R	FO		354.1(351.1T)	005.0	AA 02800	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AZO	N421413.14	W0853311.35	N4214.219	W08533.189
	PMM	N422757.73	W0860617.32	N4227.962	W08606.289
	BOHRR	N423516.53	W0852605.87	N4235.276	W08526.098
	COVAV	N420143.46	W0853025.62	N4201.724	W08530.427
	OSEGO	N422730.61	W0853551.38	N4227.510	W08535.856
	SUYOD	N422021.93	W0853420.83	N4220.366	W08534.347
	WURAX	N421615.68	W0853328.77	N4216.261	W08533.480
	RW17	N421428.94	W0853306.24	N4214.482	W08533.104

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00859	45

CITY AND STATE	ELEVATION: 874 THRE: 859	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KALAMAZOO, MI	AIRPORT NAME: KALAMAZOO/BATTLE CREEK INTL	RNAV	RNAV (GPS) RWY 17, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 10/25/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 22 AUGUST 2013

CITY AND STATE	ELEVATION: 624 TDZE: 624	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
TRAVERSE CITY, MI	AIRPORT NAME: **CHERRY CAPITAL**	**GPS**	**GPS RWY 36, ORIG-B, 03/10/2011**	AMDT **ORIG-A**
				DATE **11/02/2000**

FAA FORM 8260-5 / April 2006 (computer generated)

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PUMRE (IF/IAF)	ZOGYU (FB)	005.17 / 5.22	2300
ZOGYU (FAF)	XOTYY/3.00 NM TO RW36 (FB)	005.17 / 2.11	
XOTYY/3.00 NM TO RW36	RW36 (MAP) (FO)	005.17 / 3.00	
RW36 (MAP)	1400 MSL	005.17	1400
1400 MSL	TIDDU (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3000 DIRECT TIDDU AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S PUMRE, RT, 005.17 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 005.17 FAF: ZOGYU DIST FAF TO MAP: 5.11 THLD: 5.11
4. MIN. ALT: PUMRE 3000, ZOGYU 2300, XOTYY/3.00 NM TO RW36 1620*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2300 GS ALT AT: ZOGYU 2300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 48.4 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 217.89 INBOUND.
CHART FAS OBST: 1022 TREE 444124N/0853524W
OBST: 1118 AAO 444053N/0853600W
DISTANCE TO THLD FROM 275 HATH: 0.71 NM.
WAAS CHANNEL # 53733
REFERENCE PATH ID: W36A
CHART CIRCLING ICON
LTP HAE: 155.5 M

MAG VAR: 5W EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	898	7/8	275	898	7/8	275	898	7/8	275	898	7/8	275			
LNAV/VNAV DA	1145	1 3/4	522	1145	1 3/4	522	1145	1 3/4	522	1145	1 3/4	522			
LNAV MDA	1280	1	657	1280	1	657	1280	1 7/8	657	1280	1 7/8	657			
CIRCLING	1280	1	656	1280	1	656	1500	2 1/2	876	1720	3	1096			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING ANTRIM COUNTY ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
(SEE FORM 8260-10)

@ CAT C 900-2 1/2, CAT D 1100-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED 6

CITY AND STATE	ELEVATION: 624 THRE: 623 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TRAVERSE CITY, MI	CHERRY CAPITAL	RNAV	RNAV (GPS) RWY 36, ORIG 22 AUGUST 2013	AMDT: NONE DATED

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NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE ANTRIM COUNTY ALTIMETER SETTING; INCREASE ALL DA 51 FT AND ALL MDA 60 FT, INCREASE LNAV/VNAV ALL CATS AND CIRC CAT C VISIBILITIES 1/4 MILE, AND INCREASE LPV ALL CATS, LNAV CAT C/D AND CIRC CAT D VISIBILITIES 1/8 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: RWY 36 STRAIGHT IN AND CIRCLING AND CIRCLING TO RWY 18 NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	275/30 CW 095/30 (NOPT)	275/5 CW 095/5 (IF/IAF) (FB)	4000
2.	275/5 CW 095/5	PUMRE (IF/IAF) (FB)	3000
3.	095/30 CW 275/30	PUMRE (IF/IAF) (FO)	3500

QUALITY CHECKED

CITY AND STATE	ELEVATION: 624 THRE: 623	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TRAVERSE CITY, MI	AIRPORT NAME: CHERRY CAPITAL	RNAV	RNAV (GPS) RWY 36, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTVC
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	444407.9065N
LTP/FTP LONGITUDE	0853515.8995W
LTP/FTP ELLIPSOIDAL HEIGHT	+01555
FPAP LATITUDE	444537.0005N
FPAP LONGITUDE	0853515.5275W
THRESHOLD CROSSING HEIGHT (TCH)	00048.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1112
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	B3676831

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01900
FPAP ORTHOMETRIC HEIGHT	+01900

QUALITY CHECKED

CITY AND STATE	ELEVATION: 624 THRE: 623	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TRAVERSE CITY, MI	AIRPORT NAME: CHERRY CAPITAL	RNAV	RNAV (GPS) RWY 36, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   PUMRE K50    W     N44334795W085351848                    W0060     NAR           PUMRE
          SUSAEAENRT   TIDDU K50    C   L N44524072W085213516                    W0063     NAR           TIDDU
          SUSAEAENRT   XOTYY K50    W     N44410792W085351665                    W0060     NAR           XOTYY
          SUSAEAENRT   ZOGYU K50    W     N44390114W085351718                    W0060     NAR           ZOGYU

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KTVCK5ATVC     0     065YHN44442970W085345470W005000624          18000018000C    MNAR    CHERRY CAPITAL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KTVCK5FR36   APUMRE 010PUMREK5EA0EE AR   HF                    00520040    + 03000     18000                A JS
          SUSAP KTVCK5FR36   R      010PUMREK5EA0E  I    IF                                + 03000     18000                A JS
          SUSAP KTVCK5FR36   R      020ZOGYUK5EA1E  F 051TF                    00520052    + 02300                          A JS
          SUSAP KTVCK5FR36   R      020ZOGYUK5EA2WALPV       ALNAV/VNAV ALNAV                                               JS
          SUSAP KTVCK5FR36   R      021XOTYYK5EA0E S  031TF                    00520021    V 0162001627        -300         A JS
          SUSAP KTVCK5FR36   R      030RW36 K5PG0GY M 031TF                    00520030      00672             -300         A JS
          SUSAP KTVCK5FR36   R      040         0  M     CA                   0052        + 01400                          A JS
          SUSAP KTVCK5FR36   R      050TIDDUK5EA0EY  R   DF                              + 03000                          A JS
          SUSAP KTVCK5FR36   R      060TIDDUK5EA0EE  R   HM                   21790040    + 03000                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KTVCK5GRW36    0053780052 N44440791W085351590-0100    +0155500623000048150R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KTVCK5PR36   RW36 001 0000W36A0N4444079065W08535158995+015550300N4445370005W085351552751067511120004 84F400500B3676831
          SUSAP KTVCK5PR36   RW36 002E      +01900+01900LPV       53733
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 624 THRE: 623	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TRAVERSE CITY, MI	AIRPORT NAME: **CHERRY CAPITAL**	**RNAV**	**RNAV (GPS) RWY 36, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	PUMRE	PUMRE	010	IAF	HF	R	FO		005.2(000.2T)	004.0	AA 03000	
		PUMRE	010	FACF	IF		FB				AA 03000	
		ZOGYU	020	FAF	TF		FB	0.5	005.2(000.2T)	005.2	AA 02300	
		XOTYY	021	SDF	TF		FB	0.3	005.2(000.2T)	002.1	AA 01620 GS 01627	
		RW36	030	MAP	TF		FO	0.3	005.2(000.2T)	003.0	AT 00672	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		005.2(000.2T)		AA 01400	
	TIDDU	050		DF	R	FO				AA 03000	
	TIDDU	060		HM	R	FO		217.9(212.9T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PUMRE	N443347.95	W0853518.48	N4433.799	W08535.308
	TIDDU	N445240.72	W0852135.16	N4452.679	W08521.586
	XOTYY	N444107.92	W0853516.65	N4441.132	W08535.278
	ZOGYU	N443901.14	W0853517.18	N4439.019	W08535.286
	RW36	N444407.91	W0853515.90	N4444.132	W08535.265

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	00623	48



CITY AND STATE	ELEVATION: 624 THRE: 623	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TRAVERSE CITY, MI	AIRPORT NAME: **CHERRY CAPITAL**	**RNAV**	**RNAV (GPS) RWY 36, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RST VOR/DME	HOMLU (FB)	359.29 / 21.62	3000
HOMLU	WOKAB (FB)	313.19 / 8.10	3000
ALMAY	YINUR (FB)	070.53 / 22.99	3000
FOBUG (IAF)	JOPSU (NOPT) (FB)	153.31 / 14.38	3000
YINUR (IAF)	JOPSU (NOPT) (FB)	074.10 / 8.00	3000
WOKAB (IAF)	JOPSU (NOPT) (FB)	253.06 / 8.00	3000
JOPSU (IF/IAF)	WEDAM (FB)	163.59 / 6.01	3000
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW16

CLIMB TO 3000 DIRECT TUSZL AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 343.67 INBOUND.
CHART FAS OBST: 1424 WTR TWR 440133N/0925051W
DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
CHART VDP AT 1.11 MILES TO RW16*
*LNAV ONLY.
WAAS CHANNEL # 97532
REFERENCE PATH ID: W16A
CHART CIRLCLING ICON.
LTP HAE: 366.5 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N JOPSU, RT, 163.59 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 163.61 FAF: WEDAM DIST FAF TO MAP: 5.22 THLD: 5.22
4. MIN. ALT: JOPSU 3000, WEDAM 3000, VEYVU/2.80 NM TO RW16 2220*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: WEDAM 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM: RW16 3500

MAG VAR: 2E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N.A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1549	1	250	1549	1	250	1549	1	250		NA				
LNAV/VNAV DA	1586	1	287	1586	1	287	1586	1	287		NA				
LNAV MDA	1680	1	381	1680	1	381	1680	1 1/8	381		NA				
CIRCLING	1960	1	656	1960	1	656	1960	1 3/4	656		NA				

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALMAY ON V505 SOUTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON RST VOR/DME AIRWAY RADIALS 286 CW 076.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1304 THRE: 1299 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DODGE CENTER, MN	DODGE CENTER	RNAV	RNAV (GPS) RWY 16, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 01/15/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WEDAM (FAF)	VEYVU/2.80 NM TO RW16 (FB)	163.61 / 2.42	
VEYVU/2.80 NM TO RW16	RW16 (MAP) (FO)	163.61 / 2.80	
RW16 (MAP)	1549 MSL	163.61	
1549 MSL	TUSZL (FO)		3000

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: BARO-VNAV AND VDP NA WITH ROCHESTER INTL ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCHESTER INTL ALTIMETER SETTING AND INCREASE ALL DA 39 FEET AND ALL MDA 40 FEET, AND INCREASE LNAV/VNAV ALL CATS, LNAV CAT C VISIBILITY 1/8 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1304 THRE: 1299	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DODGE CENTER, MN	AIRPORT NAME: DODGE CENTER	RNAV	RNAV (GPS) RWY 16, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 01/15/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTOB
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	440123.4410N
LTP/FTP LONGITUDE	0924957.4635W
LTP/FTP ELLIPSOIDAL HEIGHT	+03665
FPAP LATITUDE	435957.1225N
FPAP LONGITUDE	0924926.8280W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	D5894E33

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03959
FPAP ORTHOMETRIC HEIGHT	+03959

QUALITY 2 CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD         RST    K3011200VDLA N43465856W092354898     N43465856W092354898E0050013891      NARROCHESTER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT    ALMAY K30     C    L N44033087W093350610                    E0008     NAR           ALMAY
        SUSAEAENRT    FOBUG K30     C    L N44251996W093021066                    E0003     NAR           FOBUG
        SUSAEAENRT    HOMLU K30     W      N44083546W092350831                    E0000     NAR           HOMLU
        SUSAEAENRT    JOPSU K30     W      N44121591W092534986                    E0003     NAR           JOPSU
        SUSAEAENRT    TUSZL K30     W      N43494925W092455176                    E0002     NAR           TUSZL
        SUSAEAENRT    VEYVU K30     W      N44040619W092505530                    E0002     NAR           VEYVU
        SUSAEAENRT    WEDAM K30     W      N44062663W092514527                    E0002     NAR           WEDAM
        SUSAEAENRT    WOKAB K30     W      N44142017W092430507                    E0001     NAR           WOKAB
        SUSAEAENRT    YINUR K30     W      N44102109W093043766                    E0004     NAR           YINUR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KTOBK3ATOB      0      045YHN44010478W092495383E002001304          1800018000C     MNAR     DODGE CENTER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KTOBK3FR16    AALMAY 010ALMAYK3EA0E       IF                                          18000                A JS
        SUSAP KTOBK3FR16    AALMAY 020YINURK3EA0E  A 020TF                    07050230    + 03000                      A JS
        SUSAP KTOBK3FR16    AALMAY 030JOPSUK3EA0EE B 010TF                    07410080    + 03000                      A JS
        SUSAP KTOBK3FR16    AFOBUG 010FOBUGK3EA0E  A    IF                                          18000                A JS
        SUSAP KTOBK3FR16    AFOBUG 020JOPSUK3EA0EE B 010TF                    15330144    + 03000                      A JS
        SUSAP KTOBK3FR16    AJOPSU 010JOPSUK3EA0EE AR   HF                    16360040    + 03000      18000           A JS
        SUSAP KTOBK3FR16    ARST   010RST  K3D 0V       IF                                          18000                A JS
        SUSAP KTOBK3FR16    ARST   020HOMLUK3EA0E    020TF                    35930216    + 03000                      A JS
        SUSAP KTOBK3FR16    ARST   030WOKABK3EA0E  A 020TF                    31320081    + 03000                      A JS
        SUSAP KTOBK3FR16    ARST   040JOPSUK3EA0EE B 010TF                    25310080    + 03000                      A JS
        SUSAP KTOBK3FR16    R      010JOPSUK3EA0E  I    IF                                  + 03000      18000           A JS
        SUSAP KTOBK3FR16    R      020WEDAMK3EA1E  F 051TF                    16360060    + 03000                RW16  K3PGA JS
        SUSAP KTOBK3FR16    R      020WEDAMK3EA2WALPV       ALNAV/VNAV ALNAV                                            JS
        SUSAP KTOBK3FR16    R      021VEYVUK3EA0E S  031TF                    16360024    V 0222002230      -300          A JS
        SUSAP KTOBK3FR16    R      030RW16 K3PG0GY M 031TF                    16360028      01339           -300          A JS
        SUSAP KTOBK3FR16    R      040         0  M     CA                    1636        + 01549                      A JS
        SUSAP KTOBK3FR16    R      050TUSZLK3EA0EY      DF                                  + 03000                      A JS
        SUSAP KTOBK3FR16    R      060TUSZLK3EA0EE  R   HM                    34370040    + 03000                      A JS
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1304 THRE: 1299	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DODGE CENTER, MN	AIRPORT NAME: **DODGE CENTER**	**RNAV**	**RNAV (GPS) RWY 16, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG** DATED: **01/15/2009**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------
         SUSAP KTOBK3GRW16     0045001636 N44012344W092495746+0100     +0366501299000040075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------
         SUSAP KTOBK3PR16    RW16 001 0000W16A0N4401234410W09249574635+036650300N4359571225W092492682801067513760000400F400500D5894E33
         SUSAP KTOBK3PR16    RW16 002E      +03959+03959LPV       97532

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------
         SUSAP KTOBK3SRW16 K3PG               0    18018003525                                                                  M
```



CITY AND STATE	ELEVATION: 1304 THRE: 1299	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DODGE CENTER, MN	AIRPORT NAME: DODGE CENTER	RNAV	RNAV (GPS) RWY 16, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 01/15/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALMAY	ALMAY	010		IF		FB					
	ALMAY	YINUR	020	IAF	TF		FB	2.0	070.5(072.5T)	023.0	AA 03000	
	ALMAY	JOPSU	030		TF		FB	1.0	074.1(076.1T)	008.0	AA 03000	
	FOBUG	FOBUG	010	IAF	IF		FB					
	FOBUG	JOPSU	020		TF		FB	1.0	153.3(155.3T)	014.4	AA 03000	
	JOPSU	JOPSU	010	IAF	HF	R	FO		163.6(165.6T)	004.0	AA 03000	
	RST	RST	010		IF		FB					
	RST	HOMLU	020		TF		FB	2.0	359.3(001.3T)	021.6	AA 03000	
	RST	WOKAB	030	IAF	TF		FB	2.0	313.2(315.2T)	008.1	AA 03000	
	RST	JOPSU	040		TF		FB	1.0	253.1(255.1T)	008.0	AA 03000	
		JOPSU	010	FACF	IF		FB				AA 03000	
		WEDAM	020	FAF	TF		FB	0.5	163.6(165.6T)	006.0	AA 03000	
		VEYVU	021	SDF	TF		FB	0.3	163.6(165.6T)	002.4	AA 02220 GS 02230	
		RW16	030	MAP	TF		FO	0.3	163.6(165.6T)	002.8	AT 01339	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		163.6(165.6T)		AA 01549	
	TUSZL	050		DF		FO				AA 03000	
	TUSZL	060		HM	R	FO		343.7(345.7T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	RST	N434658.56	W0923548.98	N4346.976	W09235.816
	ALMAY	N440330.87	W0933506.10	N4403.515	W09335.102
	FOBUG	N442519.96	W0930210.66	N4425.333	W09302.178
	HOMLU	N440835.46	W0923508.31	N4408.591	W09235.139
	JOPSU	N441215.91	W0925349.86	N4412.265	W09253.831
	TUSZL	N434949.25	W0924551.76	N4349.821	W09245.863
	VEYVU	N440406.19	W0925055.30	N4404.103	W09250.922
	WEDAM	N440626.63	W0925145.27	N4406.444	W09251.755
	WOKAB	N441420.17	W0924305.07	N4414.336	W09243.085
	YINUR	N441021.09	W0930437.66	N4410.352	W09304.628
	RW16	N440123.44	W0924957.46	N4401.391	W09249.958

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	01299	40



CITY AND STATE	ELEVATION: 1304 THRE: 1299	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DODGE CENTER, MN	AIRPORT NAME: **DODGE CENTER**	**RNAV**	**RNAV (GPS) RWY 16, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **01/15/2009**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FOBUG	TUSZL (FO)	159.59 / 37.40	3000
ALMAY	UTOZA (FB)	117.17 / 31.97	3000
NEWRY	UTOZA (FB)	073.42 / 14.66	3000
RST VOR/DME (IAF)	TUSZL (NOPT) (FB)	289.41 / 7.81	3000
UTOZA (IAF)	TUSZL (NOPT) (FB)	073.48 / 8.00	3000
TUSZL (IF/IAF)	RMSTD (FB)	343.67 / 6.00	3000
RMSTD (FAF)	ZERAP/1.70 NM TO RW34 (FB)	343.65 / 3.50	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW34

CLIMB TO 3000 DIRECT JOPSU AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S TUSZL, RT, 343.67 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 343.65 FAF: RMSTD DIST FAF TO MAP: 5.20 THLD: 5.20
4. MIN. ALT: TUSZL 3000, RMSTD 3000, ZERAP/1.70 NM TO RW34 1880*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: RMSTD 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW34 3500

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 163.59 INBOUND.
CHART FAS OBST: 1406 TREE 440035N/0925019W
DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
WAAS CHANNEL # 45633
REFERENCE PATH ID: W34A
CHART CIRCLING ICON.
LTP HAE: 368 M

MAG VAR: 2E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1554	1	250	1554	1	250	1554	1	250		NA				
LNAV/VNAV DA	1556	1	252	1556	1	252	1556	1	252		NA				
LNAV MDA	1660	1	356	1660	1	356	1660	1	356		NA				
CIRCLING	1960	1	656	1960	1	656	1960	1 3/4	656		NA				

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING ROCHESTER INTL ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALMAY ON V505 NORTH BOUND.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1304 THRE: 1304	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DODGE CENTER, MN	AIRPORT NAME: DODGE CENTER	RNAV	RNAV (GPS) RWY 34, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED 01/15/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZERAP/1.70 NM TO RW34	RW34 (MAP) (FO)	343.65 / 1.70	
RW34 (MAP)	1554 MSL	343.65	
1554 MSL	JOPSU (FO)		3000

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NEWRY ON V213 SOUTH BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON RST VOR/DME AIRWAY RADIALS 213 CW 329.
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCHESTER INTL ALTIMETER SETTING AND INCREASE ALL DA 39 FEET AND ALL MDA 40 FEET, AND INCREASE LNAV CAT C VISIBILITY 1/8 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: RWY 34 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1304 THRE: 1304	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DODGE CENTER, MN	AIRPORT NAME: DODGE CENTER	RNAV	RNAV (GPS) RWY 34, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 01/15/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTOB
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	440040.3935N
LTP/FTP LONGITUDE	0924942.1785W
LTP/FTP ELLIPSOIDAL HEIGHT	+03680
FPAP LATITUDE	440206.7105N
FPAP LONGITUDE	0925012.8330W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	8E0735C5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03974
FPAP ORTHOMETRIC HEIGHT	+03974

QUALITY 2 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAD         RST   K3011200VDLA N43465856W092354898    N43465856W092354898E0050013891     NARROCHESTER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ALMAY K30    C   L N44033087W093350610                    E0009    NAR           ALMAY
        SUSAEAENRT   FOBUG K30    C   L N44251996W093021066                    E0004    NAR           FOBUG
        SUSAEAENRT   JOPSU K30    W     N44121591W092534986                    E0003    NAR           JOPSU
        SUSAEAENRT   NEWRY K30    R   L N43440962W093160885                    E0006    NAR           NEWRY
        SUSAEAENRT   RMSTD K30    W     N43553807W092475502                    E0002    NAR           RMSTD
        SUSAEAENRT   TUSZL K30    W     N43494925W092455176                    E0002    NAR           TUSZL
        SUSAEAENRT   UTOZA K30    W     N43474936W092563384                    E0004    NAR           UTOZA
        SUSAEAENRT   ZERAP K30    W     N43590158W092490712                    E0002    NAR           ZERAP

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTOBK3ATOB     0     045YHN44010478W092495383E002001304          1800018000C    MNAR     DODGE CENTER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTOBK3FR34   AALMAY 010ALMAYK3EA0E       IF                                                  18000                A JS
        SUSAP KTOBK3FR34   AALMAY 020UTOZAK3EA0E  A 020TF                    11720320    + 03000                                A JS
        SUSAP KTOBK3FR34   AALMAY 030TUSZLK3EA0EE B 010TF                    07350080    + 03000                                A JS
        SUSAP KTOBK3FR34   AFOBUG 010FOBUGK3EA0E       IF                                                  18000                A JS
        SUSAP KTOBK3FR34   AFOBUG 020TUSZLK3EA0EY   020TF                    15960374    + 03000                                A JS
        SUSAP KTOBK3FR34   AFOBUG 030TUSZLK3EA0EE AR   HF                    34370040    + 03000                                A JS
        SUSAP KTOBK3FR34   ANEWRY 010NEWRYK3EA0E       IF                                                  18000                A JS
        SUSAP KTOBK3FR34   ANEWRY 020UTOZAK3EA0E  A 020TF                    07340147    + 03000                                A JS
        SUSAP KTOBK3FR34   ANEWRY 030TUSZLK3EA0EE B 010TF                    07350080    + 03000                                A JS
        SUSAP KTOBK3FR34   ARST   010RST  K3D 0V  A    IF                                                  18000                A JS
        SUSAP KTOBK3FR34   ARST   020TUSZLK3EA0EE B 010TF                    28940078    + 03000                                A JS
        SUSAP KTOBK3FR34   R      010TUSZLK3EA0E  I    IF                                 + 03000    18000                       A JS
        SUSAP KTOBK3FR34   R      020RMSTDK3EA1E  F 051TF                    34370060    + 03000                RW34  K3PGA JS
        SUSAP KTOBK3FR34   R      020RMSTDK3EA2WALPV      ALNAV/VNAV ALNAV                                                        JS
        SUSAP KTOBK3FR34   R      021ZERAPK3EA0E S  031TF                    34370035    V 0188001885        -300                A JS
        SUSAP KTOBK3FR34   R      030RW34 K3PG0GY M 031TF                    34370017      01344             -300                A JS
        SUSAP KTOBK3FR34   R      040         0  M     CA                    3437        + 01554                               A JS
        SUSAP KTOBK3FR34   R      050JOPSUK3EA0EY       DF                               + 03000                               A JS
        SUSAP KTOBK3FR34   R      060JOPSUK3EA0EE  R    HM                    16360040    + 03000                               A JS
```

CITY AND STATE	ELEVATION: 1304 THRE: 1304	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DODGE CENTER, MN	AIRPORT NAME: **DODGE CENTER**	**RNAV**	**RNAV (GPS) RWY 34, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **01/15/2009**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KTOBK3GRW34     0045003436 N44004039W092494218-0100     +03680013040000400 75R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KTOBK3PR34    RW34 001 0000W34A0N4400403935W09249421785+036800300N4402067105W092501283301067513760004 00F4005008E0735C5
        SUSAP KTOBK3PR34    RW34 002E      +03974+03974LPV       45633

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KTOBK3SRW34 K3PG               0   18018003525                                                                  M
```

CITY AND STATE	ELEVATION: 1304 THRE: 1304	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DODGE CENTER, MN	AIRPORT NAME: DODGE CENTER	RNAV	RNAV (GPS) RWY 34, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 01/15/2009

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALMAY	ALMAY	010		IF		FB					
	ALMAY	UTOZA	020	IAF	TF		FB	2.0	117.2(119.2T)	032.0	AA 03000	
	ALMAY	TUSZL	030		TF		FB	1.0	073.5(075.5T)	008.0	AA 03000	
	FOBUG	FOBUG	010		IF		FB					
	FOBUG	TUSZL	020		TF		FO	2.0	159.6(161.6T)	037.4	AA 03000	
	FOBUG	TUSZL	030	IAF	HF	R	FO		343.7(345.7T)	004.0	AA 03000	
	NEWRY	NEWRY	010		IF		FB					
	NEWRY	UTOZA	020	IAF	TF		FB	2.0	073.4(075.4T)	014.7	AA 03000	
	NEWRY	TUSZL	030		TF		FB	1.0	073.5(075.5T)	008.0	AA 03000	
	RST	RST	010	IAF	IF		FB					
	RST	TUSZL	020		TF		FB	1.0	289.4(291.4T)	007.8	AA 03000	
		TUSZL	010	FACF	IF		FB				AA 03000	
		RMSTD	020	FAF	TF		FB	0.5	343.7(345.7T)	006.0	AA 03000	
		ZERAP	021	SDF	TF		FB	0.3	343.7(345.7T)	003.5	AA 01880 GS 01885	
		RW34	030	MAP	TF		FO	0.3	343.7(345.7T)	001.7	AT 01344	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		343.7(345.7T)		AA 01554	
	JOPSU	050		DF		FO				AA 03000	
	JOPSU	060		HM	R	FO		163.6(165.6T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	RST	N434658.56	W0923548.98	N4346.976	W09235.816
	ALMAY	N440330.87	W0933506.10	N4403.515	W09335.102
	FOBUG	N442519.96	W0930210.66	N4425.333	W09302.178
	JOPSU	N441215.91	W0925349.86	N4412.265	W09253.831
	NEWRY	N434409.62	W0931608.85	N4344.160	W09316.148
	RMSTD	N435538.07	W0924755.02	N4355.635	W09247.917
	TUSZL	N434949.25	W0924551.76	N4349.821	W09245.863
	UTOZA	N434749.36	W0925633.84	N4347.823	W09256.564
	ZERAP	N435901.58	W0924907.12	N4359.026	W09249.119
	RW34	N440040.39	W0924942.18	N4400.673	W09249.703

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	01304	40

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1304 THRE: 1304	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DODGE CENTER, MN	AIRPORT NAME: **DODGE CENTER**	**RNAV**	**RNAV (GPS) RWY 34, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **01/15/2009**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FRM VOR/DME	JOMDO (FB)	296.48 / 29.47	3100
JOMDO (IAF)	FETGI (NOPT) (FB)	224.44 / 9.00	3100
GOPEC (IAF)	FETGI (NOPT) (FB)	155.42 / 20.29	3100
OTG VOR/DME (IAF)	FETGI (NOPT) (FB)	060.02 / 20.26	3100
FETGI (IF/IAF)	CUCPA (FB)	134.33 / 6.11	3100
CUCPA (FAF)	RW13 (MAP) (FO)	134.39 / 5.11	
RW13 (MAP)	1681 MSL	134.39	
1681 MSL	MCQIN (FO)		4200

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

CLIMB TO 4200 DIRECT MCQIN AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW FETGI, RT, 134.33 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 134.39 FAF: CUCPA DIST FAF TO MAP: 5.11 THLD: 5.11
4. MIN. ALT: FETGI 3100, CUCPA 3100
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3100 GS ALT AT: CUCPA 3100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW13 3100

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 318.56 INBOUND.
FAS OBST: 1679 AAO 434157N/0950344W
1759 AAO 434226N/0950545W
DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
WAAS CHANNEL # 97632
REFERENCE PATH ID: W13A
CHART CIRCLING ICON
LTP HAE: 408.8 M

MAG VAR: 4E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1681	1	250	1681	1	250	1681	1	250		NA				
LNAV/VNAV DA	1938	1 3/4	507	1938	1 3/4	507	1938	1 3/4	507		NA				
LNAV MDA	1940	1	509	1940	1	509	1940	1 3/8	509		NA				
CIRCLING	2100	1	653	2100	1	653	2180	2	733		NA				

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WINDOM ALTIMETER SETTING AND INCREASE ALL DA 44 FT AND ALL MDA 60 FT; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE, LNAV AND (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 4 SUCCESS

CITY AND STATE	ELEVATION: 1447 THRE: 1431 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
JACKSON, MN	JACKSON MUNI	RNAV	RNAV (GPS) RWY 13, AMDT 1	AMDT: ORIG
			22 AUGUST 2013	DATED 02/14/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OTG VOR/DME ON AIRWAY RADIALS 014 CW 056.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FRM VOR/DME ON AIRWAY RADIAL 221.

QUALITY CHECK

CITY AND STATE	ELEVATION: 1447 THRE: 1431	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JACKSON, MN	AIRPORT NAME: JACKSON MUNI	RNAV	RNAV (GPS) RWY 13, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 02/14/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMJQ
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	433915.2135N
LTP/FTP LONGITUDE	0945929.7610W
LTP/FTP ELLIPSOIDAL HEIGHT	+04088
FPAP LATITUDE	433808.5270N
FPAP LONGITUDE	0945808.3660W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	DAE31053

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04363
FPAP ORTHOMETRIC HEIGHT	+04363

QUALITY 2 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        FRM   K3011020VDLA N43384554W094252117    N43384554W094252117E0070011641     NARFAIRMONT
        SUSAD        OTG   K3011060VDLA N43384890W095345505    N43384839W095345460E0080015951     NARWORTHINGTON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CUCPA K30    W     N43430474W095041044                    E0021     NAR          CUCPA
        SUSAEAENRT   FETGI K30    W     N43473867W095094648                    E0022     NAR          FETGI
        SUSAEAENRT   GOPEC K30    C   L N44063893W095193740                    E0023     NAR          GOPEC
        SUSAEAENRT   JOMDO K30    W     N43533734W095002863                    E0020     NAR          JOMDO
        SUSAEAENRT   MCQIN K30    W     N43302533W094484497                    E0019     NAR          MCQIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJQK3AMJQ     0     035YHN43390051W094591166E004001447         1800018000C    MNAR    JACKSON MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJQK3FR13   AFETGI 010FETGIK3EA0EE AR   HF                    13430040    + 03100     18000                A JS
        SUSAP KMJQK3FR13   AFRM   010FRM  K3D 0V       IF                                          18000                A JS
        SUSAP KMJQK3FR13   AFRM   020JOMDOK3EA0E  A 020TF                    29650295    + 03100                          A JS
        SUSAP KMJQK3FR13   AFRM   030FETGIK3EA0EE B 010TF                    22440090    + 03100                          A JS
        SUSAP KMJQK3FR13   AGOPEC 010GOPECK3EA0E  A    IF                                          18000                A JS
        SUSAP KMJQK3FR13   AGOPEC 020FETGIK3EA0EE B 010TF                    15540203    + 03100                          A JS
        SUSAP KMJQK3FR13   AOTG   010OTG  K3D 0V  A    IF                                          18000                A JS
        SUSAP KMJQK3FR13   AOTG   020FETGIK3EA0EE B 010TF                    06000203    + 03100                          A JS
        SUSAP KMJQK3FR13   R      010FETGIK3EA0E  I    IF                                + 03100     18000                A JS
        SUSAP KMJQK3FR13   R      020CUCPAK3EA1E  F 051TF                    13430061    + 03100                 RW13   K3PGA JS
        SUSAP KMJQK3FR13   R      020CUCPAK3EA2WALPV       ALNAV/VNAV ALNAV                                                  JS
        SUSAP KMJQK3FR13   R      030RW13 K3PG0GY M 031TF                    13440051      01471          -300               A JS
        SUSAP KMJQK3FR13   R      040          0  M     CA                   1344        + 01681                          A JS
        SUSAP KMJQK3FR13   R      050MCQINK3EA0EY       DF                              + 04200                          A JS
        SUSAP KMJQK3FR13   R      060MCQINK3EA0EE  R    HM                   31860050    + 04200                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJQK3GRW13    0035911344 N43391521W094592976+0400    +040880143100004007 5R
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: **1447** **THRE: 1431**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MN	AIRPORT NAME: **JACKSON MUNI**	**RNAV**	**RNAV (GPS) RWY 13, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **02/14/2008**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJQK3PR13    RW13 001 0000W13A0N4339152135W09459297610+040880300N4338085270W094580836601067516560004O0F400500DAE31053
        SUSAP KMJQK3PR13    RW13 002E       +04363+04363LPV       97632

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJQK3SRW13 K3PG              0   18018003125                                                                   M
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1447 THRE: 1431	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MN	AIRPORT NAME: JACKSON MUNI	RNAV	RNAV (GPS) RWY 13, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 02/14/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FETGI	FETGI	010	IAF	HF	R	FO		134.3(138.3T)	004.0	AA 03100	
	FRM	FRM	010		IF		FB					
	FRM	JOMDO	020	IAF	TF		FB	2.0	296.5(300.5T)	029.5	AA 03100	
	FRM	FETGI	030		TF		FB	1.0	224.4(228.4T)	009.0	AA 03100	
	GOPEC	GOPEC	010	IAF	IF		FB					
	GOPEC	FETGI	020		TF		FB	1.0	155.4(159.4T)	020.3	AA 03100	
	OTG	OTG	010	IAF	IF		FB					
	OTG	FETGI	020		TF		FB	1.0	060.0(064.0T)	020.3	AA 03100	
		FETGI	010	FACF	IF		FB				AA 03100	
		CUCPA	020	FAF	TF		FB	0.5	134.3(138.3T)	006.1	AA 03100	
		RW13	030	MAP	TF		FO	0.3	134.4(138.4T)	005.1	AT 01471	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		134.4(138.4T)		AA 01681	
	MCQIN	050		DF		FO				AA 04200	
	MCQIN	060		HM	R	FO		318.6(322.6T)	005.0	AA 04200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FRM	N433845.54	W0942521.17	N4338.759	W09425.353
	OTG	N433848.90	W0953455.05	N4338.815	W09534.918
	CUCPA	N434304.74	W0950410.44	N4343.079	W09504.174
	FETGI	N434738.67	W0950946.48	N4347.645	W09509.775
	GOPEC	N440638.93	W0951937.40	N4406.649	W09519.623
	JOMDO	N435337.34	W0950028.63	N4353.622	W09500.477
	MCQIN	N433025.33	W0944844.97	N4330.422	W09448.750
	RW13	N433915.21	W0945929.76	N4339.254	W09459.496

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	01431	40

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1447 THRE: 1431	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MN	AIRPORT NAME: JACKSON MUNI	RNAV	RNAV (GPS) RWY 13, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 02/14/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FRM VOR/DME	WIPLY (FB)	249.83 / 11.34	4200
WIPLY (IAF)	MCQIN (NOPT) (FB)	225.88 / 8.00	4200
GRUVE (IAF)	MCQIN (NOPT) (FB)	008.58 / 9.36	4200
MCQIN (IF/IAF)	DEELE (FB)	314.56 / 6.13	3100
DEELE (FAF)	RW31 (MAP) (FO)	314.50 / 5.07	
RW31 (MAP)	1696 MSL	314.50	
1696 MSL	FETGI (FO)		3100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 3100 DIRECT FETGI AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE MCQIN, RT, 314.56 INBOUND, 4200 FT. IN LIEU OF PT (IAF)
3. FAC: 314.50 FAF: DEELE DIST FAF TO MAP: 5.07 THLD: 5.07
4. MIN. ALT: MCQIN 4200, DEELE 3100
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3100 GS ALT AT: DEELE 3100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW31 3100

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 134.33 INBOUND.
CHART FAS OBST: 1758 COMM TWR 433654N/0945748W
DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
WAAS CHANNEL # 65932
REFERENCE PATH ID: W31A
CHART CIRCLING ICON
LTP HAE: 413.2 M

MAG VAR: 4E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1696	1	250	1696	1	250	1696	1	250		NA				
LNAV/VNAV DA	1889	1 1/2	443	1889	1 1/2	443	1889	1 1/2	443		NA				
LNAV MDA	1980	1	533	1980	1	533	1980	1 1/2	533		NA				
CIRCLING	2100	1	653	2100	1	653	2180	2	733		NA				

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING WINDOM ALTIMETER SETTING.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING IS NOT RECEIVED, USE WINDOM ALTIMETER SETTING: INCREASE ALL DA 44 FT AND ALL MDA 60 FT; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE, LNAV AND (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1447 THRE: 1446 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
JACKSON, MN	JACKSON MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 02/14/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVIAL ON FRM VOR/DME AIRWAY RADIALS 221 CW 263.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GRUVE ON V120 NORTHWEST BOUND.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1447 THRE: 1446	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JACKSON, MN	AIRPORT NAME: JACKSON MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 02/14/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMJQ
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	433848.6770N
LTP/FTP LONGITUDE	0945857.3655W
LTP/FTP ELLIPSOIDAL HEIGHT	+04132
FPAP LATITUDE	433955.3580N
FPAP LONGITUDE	0950018.7850W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	5E9F2E2F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04407
FPAP ORTHOMETRIC HEIGHT	+04407

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1447 THRE: 1446	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JACKSON, MN	AIRPORT NAME: JACKSON MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 02/14/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        FRM   K3011020VDLA N43384554W094252117    N43384554W094252117E0070011641     NARFAIRMONT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DEELE K30    W     N43350099W094541988                    E0020     NAR          DEELE
        SUSAEAENRT   FETGI K30    W     N43473867W095094648                    E0022     NAR          FETGI
        SUSAEAENRT   GRUVE K30    C   L N43211691W094513312                    E0020     NAR          GRUVE
        SUSAEAENRT   MCQIN K30    W     N43302533W094484497                    E0019     NAR          MCQIN
        SUSAEAENRT   WIPLY K30    W     N43353505W094402051                    E0018     NAR          WIPLY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJQK3AMJQ     0     035YHN43390051W094591166E004001447         1800018000C    MNAR    JACKSON MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJQK3FR31   AFRM   010FRM  K3D 0V       IF                                          18000                A JS
        SUSAP KMJQK3FR31   AFRM   020WIPLYK3EA0E  A 020TF                    24980113    + 04200                      A JS
        SUSAP KMJQK3FR31   AFRM   030MCQINK3EA0EE B 010TF                    22590080    + 04200                      A JS
        SUSAP KMJQK3FR31   AGRUVE 010GRUVEK3EA0E  A    IF                                          18000                A JS
        SUSAP KMJQK3FR31   AGRUVE 020MCQINK3EA0EE B 010TF                    00860094    + 04200                      A JS
        SUSAP KMJQK3FR31   AMCQIN 010MCQINK3EA0EE AR   HF                    31460050    + 04200     18000            A JS
        SUSAP KMJQK3FR31   R       010MCQINK3EA0E  I    IF                               + 03100     18000            A JS
        SUSAP KMJQK3FR31   R       020DEELEK3EA1E  F 051TF                    31460061    + 03100                RW31  K3PGA JS
        SUSAP KMJQK3FR31   R       020DEELEK3EA2WALPV       ALNAV/VNAV ALNAV                                           JS
        SUSAP KMJQK3FR31   R       030RW31 K3PG0GY M 031TF                    31450051      01486          -300        A JS
        SUSAP KMJQK3FR31   R       040         0  M     CA                    3145        + 01696                      A JS
        SUSAP KMJQK3FR31   R       050FETGIK3EA0EY      DF                               + 03100                      A JS
        SUSAP KMJQK3FR31   R       060FETGIK3EA0EE  R   HM                    13430040    + 03100                      A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJQK3GRW31    0035913145 N43384868W094585737-0400    +04132014460000040075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1447 THRE: 1446	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MN	AIRPORT NAME: **JACKSON MUNI**	**RNAV**	**RNAV (GPS) RWY 31, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **02/14/2008**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
SUSAP KMJQK3PR31    RW31 001 0000W31A0N4338486770W09458573655+041320300N4339553580W0950018785010675165600040OF4005005E9F2E2F
SUSAP KMJQK3PR31    RW31 002E       +04407+04407LPV        65932

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
SUSAP KMJQK3SRW31 K3PG               0   18018003125                                                                    M
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1447 THRE: 1446	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MN	AIRPORT NAME: JACKSON MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 02/14/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FRM	FRM	010		IF		FB					
	FRM	WIPLY	020	IAF	TF		FB	2.0	249.8(253.8T)	011.3	AA 04200	
	FRM	MCQIN	030		TF		FB	1.0	225.9(229.9T)	008.0	AA 04200	
	GRUVE	GRUVE	010	IAF	IF		FB					
	GRUVE	MCQIN	020		TF		FB	1.0	008.6(012.6T)	009.4	AA 04200	
	MCQIN	MCQIN	010	IAF	HF	R	FO		314.6(318.6T)	005.0	AA 04200	
		MCQIN	010	FACF	IF		FB				AA 03100	
		DEELE	020	FAF	TF		FB	0.5	314.6(318.6T)	006.1	AA 03100	
		RW31	030	MAP	TF		FO	0.3	314.5(318.5T)	005.1	AT 01486	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		314.5(318.5T)		AA 01696	
	FETGI	050		DF		FO				AA 03100	
	FETGI	060		HM	R	FO		134.3(138.3T)	004.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FRM	N433845.54	W0942521.17	N4338.759	W09425.353
	DEELE	N433500.99	W0945419.88	N4335.017	W09454.331
	FETGI	N434738.67	W0950946.48	N4347.645	W09509.775
	GRUVE	N432116.91	W0945133.12	N4321.282	W09451.552
	MCQIN	N433025.33	W0944844.97	N4330.422	W09448.750
	WIPLY	N433535.05	W0944020.51	N4335.584	W09440.342
	RW31	N433848.68	W0945857.37	N4338.811	W09458.956

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	01446	40

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: **1447** THRE: **1446**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MN	AIRPORT NAME: **JACKSON MUNI**	**RNAV**	**RNAV (GPS) RWY 31, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **02/14/2008**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WENVI (IF/IAF)	DIXGY (FB)	159.22 / 8.00	3000
DIXGY (FAF)	ZOBED/1.80 NM TO RW16 (FB)	159.26 / 3.19	
ZOBED/1.80 NM TO RW16	RW16 (MAP) (FO)	159.26 / 1.80	
RW16 (MAP)	1631 MSL	159.26	
1631 MSL	JOLIT (FO)		3300

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW16

CLIMB TO 3300 DIRECT JOLIT AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 339.36 INBOUND.
CHART FAS OBST: 1499 TREE 462838N/0951237W
DISTANCE TO THLD FROM 263 HATH: 0.69 NM.
CHART VDP AT 1.10 MILES TO RW16*
*LNAV ONLY.
WAAS CHANNEL # 58033
REFERENCE PATH ID: W16A
CHART CIRCLING ICON.
LTP HAE: 390.1 M

1. PT ___ SIDE OF COURSE ___ OUTBOUND ___ FT WITHIN ___ MILES OF ___ (IAF)
2. HOLD N WENVI, RT, 159.22 INBOUND, 3300 FT. IN LIEU OF PT (IAF)
3. FAC: 159.26 FAF: DIXGY DIST FAF TO MAP: 4.99 THLD: 4.99
4. MIN. ALT: WENVI 3300, DIXGY 3000, ZOBED/1.80 NM TO RW16 1980*
5. DIST TO THLD FROM OM: ___ MM: ___ IM: ___ 150 HAT: ___ 100 HAT: ___ GS ANT: ___
6. MIN GS INCPT: 3000 GS ALT AT: DIXGY 3000 OM: ___ MM: ___ IM: ___
7. GS ANGLE: 3.00 TCH: 42.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 4E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1631	1	263	1631	1	263	1631	1	263		NA				
LNAV/VNAV DA	1767	1 3/8	399	1767	1 3/8	399	1767	1 3/8	399		NA				
LNAV MDA	1760	1	392	1760	1	392	1760	1 1/8	392		NA				
CIRCLING	1780	1	412	1820	1	452	1940	1 1/2	572		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: VDP AND BARO-VNAV NA WITH STAPLES ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STAPLES ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1368 THRE: 1368 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WADENA, MN	WADENA MUNI	RNAV	RNAV (GPS) RWY 16, ORIG 22 AUGUST 2013	AMDT: NONE DATED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visiblities which are in statute miles or in feet RVR.

NOTES, (CONT.):
ALL DA 52 FEET AND ALL MDA 60 FEET, INCREASE LNAV/VNAV VISIBILITY 1/8 MILE, LNAV CAT C VISIBILITY 1/4 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (1F) OR ABOVE 54C (130F).

TAA

	FROM	TO	ALT
1.	069/30 CW 249/30 (NOPT)	069/11 CW 249/11	3400
2.	069/11 CW 249/11	WENVI (IF/IAF) (FB)	3300
3.	249/30 CW 069/30	WENVI (IF/IAF) (FO)	3300

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1368 THRE: 1368	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WADENA, MN	AIRPORT NAME: WADENA MUNI	RNAV	RNAV (GPS) RWY 16, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KADC
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	462718.7405N
LTP/FTP LONGITUDE	0951247.2225W
LTP/FTP ELLIPSOIDAL HEIGHT	+03901
FPAP LATITUDE	462553.4350N
FPAP LONGITUDE	0951210.1740W
THRESHOLD CROSSING HEIGHT (TCH)	00042.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	79785F93

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04169
FPAP ORTHOMETRIC HEIGHT	+04169

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1368 THRE: 1368	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WADENA, MN	AIRPORT NAME: WADENA MUNI	RNAV	RNAV (GPS) RWY 16, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DIXGY K30    W     N46320554W095145199                    E0020     NAR           DIXGY
        SUSAEAENRT   JOLIT K30    W     N46141204W095070686                    E0019     NAR           JOLIT
        SUSAEAENRT   WENVI K30    W     N46394499W095181267                    E0020     NAR           WENVI
        SUSAEAENRT   ZOBED K30    W     N46290214W095133216                    E0020     NAR           ZOBED

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KADCK3AADC     0      040YHN46265980W095123900E004001368          1800018000C    MNAR     WADENA MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KADCK3FR16   AWENVI 010WENVIK3EA0EE AR   HF                    15920040    + 03300     18000                A JS
        SUSAP KADCK3FR16   R       010WENVIK3EA0E  I    IF                                + 03300     18000                A JS
        SUSAP KADCK3FR16   R       020DIXGYK3EA1E  F 051TF                    15920080    + 03000                          A JS
        SUSAP KADCK3FR16   R       020DIXGYK3EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KADCK3FR16   R       021ZOBEDK3EA0E S  031TF                    15930032    V 0198001983        -300         A JS
        SUSAP KADCK3FR16   R       030RW16 K3PG0GY M 031TF                    15930018      01410             -300         A JS
        SUSAP KADCK3FR16   R       040          0  M     CA                   1593        + 01631                          A JS
        SUSAP KADCK3FR16   R       050JOLITK3EA0EY       DF                              + 03300                          A JS
        SUSAP KADCK3FR16   R       060JOLITK3EA0EE  R    HM                   33940040    + 03300                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KADCK3GRW16     0040071593 N46271874W095124722-0300     +0390101368000042075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KADCK3PR16   RW16 001 0000W16A0N4627187405W09512472225+039010300N4625534350W095121017401067515280004 20F40050079785F93
        SUSAP KADCK3PR16   RW16 002E       +04169+04169LPV       58033
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1368 THRE: 1368	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WADENA, MN	AIRPORT NAME: **WADENA MUNI**	**RNAV**	**RNAV (GPS) RWY 16, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	WENVI	WENVI	010	IAF	HF	R	FO		159.2(163.2T)	004.0	AA 03300	
		WENVI	010	FACF	IF		FB				AA 03300	
		DIXGY	020	FAF	TF		FB	0.5	159.2(163.2T)	008.0	AA 03000	
		ZOBED	021	SDF	TF		FB	0.3	159.3(163.3T)	003.2	AA 01980 GS 01983	
		RW16	030	MAP	TF		FO	0.3	159.3(163.3T)	001.8	AT 01410	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		159.3(163.3T)		AA 01631	
	JOLIT	050		DF		FO				AA 03300	
	JOLIT	060		HM	R	FO		339.4(343.4T)	004.0	AA 03300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DIXGY	N463205.54	W0951451.99	N4632.092	W09514.867
	JOLIT	N461412.04	W0950706.86	N4614.201	W09507.114
	WENVI	N463944.99	W0951812.67	N4639.750	W09518.211
	ZOBED	N462902.14	W0951332.16	N4629.036	W09513.536
	RW16	N462718.74	W0951247.22	N4627.312	W09512.787

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	01368	42



CITY AND STATE	ELEVATION: 1368 THRE: 1368	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WADENA, MN	AIRPORT NAME: **WADENA MUNI**	**RNAV**	**RNAV (GPS) RWY 16, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JOLIT (IF/IAF)	ERLUY (FB)	339.36 / 8.00	3000
ERLUY (FAF)	OVIRE/1.80 NM TO RW34 (FB)	339.31 / 3.23	
OVIRE/1.80 NM TO RW34	RW34 (MAP) (FO)	339.31 / 1.80	
RW34 (MAP)	1605 MSL	339.31	
1605 MSL	WENVI (FO)		3300

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW34

CLIMB TO 3300 DIRECT WENVI AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S JOLIT, RT, 339.36 INBOUND, 3300 FT. IN LIEU OF PT (IAF)
3. FAC: 339.31 FAF: ERLUY DIST FAF TO MAP: 5.03 THLD: 5.03
4. MIN. ALT: JOLIT 3300, ERLUY 3000, OVIRE/1.80 NM TO RW34 1960*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: ERLUY 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 42.0 34:1 IS CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 159.22 INBOUND.
CHART FAS OBST: 1479 TREE 462553N/0951122W
CHART: 1650 TOWER 462214N/0950914W
CHART R-4301.
DISTANCE TO THLD FROM 250 HATH: 0.65 NM.
CHART VDP AT 1.07 MILES TO RW34*
*LNAV ONLY.
WAAS CHANNEL # 70633
REFERENCE PATH ID: W34A
CHART CIRCLING ICON.
LTP HAE: 386.2 M

MAG VAR: 4E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1605	1	250	1605	1	250	1605	1	250		NA				
LNAV/VNAV DA	1782	1 1/2	427	1782	1 1/2	427	1782	1 1/2	427		NA				
LNAV MDA	1740	1	385	1740	1	385	1740	1 1/8	385		NA				
CIRCLING	1780	1	412	1820	1	452	1940	1 1/2	572		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VDP AND BARO-VNAV NA WITH STAPLES ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STAPLES ALTIMETER SETTING AND INCREASE ALL DA 52 FT AND ALL MDA 60 FT, INCREASE LNAV/VNAV VISIBILITY 1/8 MILE, LNAV CAT C VISIBILITY 1/4 (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 1368 THRE: 1355 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WADENA, MN	WADENA MUNI	RNAV	RNAV (GPS) RWY 34, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 12/28/2000

NOTES, (CONT.):
MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (1F) OR ABOVE 54C (130F).

TAA

	FROM	TO	ALT
1.	249/30 CW 069/30 (NOPT)	JOLIT (IF/IAF) (FB)	3300
2.	069/30 CW 249/30	JOLIT (IF/IAF) (FO)	3300

2
CHECKED

CITY AND STATE	ELEVATION: 1368 THRE: 1355	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WADENA, MN	AIRPORT NAME: WADENA MUNI	RNAV	RNAV (GPS) RWY 34, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 12/28/2000

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KADC
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	462640.8630N
LTP/FTP LONGITUDE	0951230.7675W
LTP/FTP ELLIPSOIDAL HEIGHT	+03862
FPAP LATITUDE	462806.1675N
FPAP LONGITUDE	0951307.8325W
THRESHOLD CROSSING HEIGHT (TCH)	00042.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F1368935

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04131
FPAP ORTHOMETRIC HEIGHT	+04131

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   ERLUY K30    W     N46215173W095102539                    E0019     NAR           ERLUY
          SUSAEAENRT   JOLIT K30    W     N46141204W095070686                    E0019     NAR           JOLIT
          SUSAEAENRT   OVIRE K30    W     N46245746W095114589                    E0019     NAR           OVIRE
          SUSAEAENRT   WENVI K30    W     N46394499W095181267                    E0020     NAR           WENVI

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KADCK3AADC      0     040YHN46265980W095123900E004001368          1800018000C     MNAR     WADENA MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KADCK3FR34    AJOLIT 010JOLITK3EA0EE AR   HF                    33940040     + 03300     18000                A JS
          SUSAP KADCK3FR34    R      010JOLITK3EA0E  I    IF                                 + 03300     18000                A JS
          SUSAP KADCK3FR34    R      020ERLUYK3EA1E  F 051TF                    33940080     + 03000                          A JS
          SUSAP KADCK3FR34    R      020ERLUYK3EA2WALPV       ALNAV/VNAV ALNAV                                               JS
          SUSAP KADCK3FR34    R      021OVIREK3EA0E S  031TF                    33930032     V 0196001970         -300        A JS
          SUSAP KADCK3FR34    R      030RW34 K3PGOGY M 031TF                    33930018       01397              -300        A JS
          SUSAP KADCK3FR34    R      040          0  M     CA                  3393         + 01605                          A JS
          SUSAP KADCK3FR34    R      050WENVIK3EA0EY       DF                              + 03300                          A JS
          SUSAP KADCK3FR34    R      060WENVIK3EA0EE  R    HM                  15920040     + 03300                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KADCK3GRW34     0040073393 N46264086W095123077+0300     +03862013550000042075R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KADCK3PR34    RW34 001 0000W34A0N4626408630W09512307675+038620300N4628061675W095130783251067515280004 20F400500F1368935
          SUSAP KADCK3PR34    RW34 002E       +04131+04131LPV       70633
```

CITY AND STATE	ELEVATION: 1368 THRE: 1355	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WADENA, MN	AIRPORT NAME: **WADENA MUNI**	**RNAV**	**RNAV (GPS) RWY 34, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **12/28/2000**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	JOLIT	JOLIT	010	IAF	HF	R	FO		339.4(343.4T)	004.0	AA 03300	
		JOLIT	010	FACF	IF		FB				AA 03300	
		ERLUY	020	FAF	TF		FB	0.5	339.4(343.4T)	008.0	AA 03000	
		OVIRE	021	SDF	TF		FB	0.3	339.3(343.3T)	003.2	AA 01960 GS 01970	
		RW34	030	MAP	TF		FO	0.3	339.3(343.3T)	001.8	AT 01397	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		339.3(343.3T)		AA 01605	
	WENVI	050		DF		FO				AA 03300	
	WENVI	060		HM	R	FO		159.2(163.2T)	004.0	AA 03300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ERLUY	N462151.73	W0951025.39	N4621.862	W09510.423
	JOLIT	N461412.04	W0950706.86	N4614.201	W09507.114
	OVIRE	N462457.46	W0951145.89	N4624.958	W09511.765
	WENVI	N463944.99	W0951812.67	N4639.750	W09518.211
	RW34	N462640.86	W0951230.77	N4626.681	W09512.513

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	01355	42

CITY AND STATE	ELEVATION: 1368 THRE: 1355	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WADENA, MN	AIRPORT NAME: **WADENA MUNI**	**RNAV**	**RNAV (GPS) RWY 34, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **12/28/2000**

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated

City, State	Airport	Effective Date	Amdt. No.
WADENA, MN	WADENA MUNI	22 AUGUST 2013	1

TAKEOFF MINIMUMS:

RWY 16, 34 STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: **RWY 34**, RWY LIGHTS BEGINNING 38 FT FROM DER, 76 FT LEFT AND RIGHT OF CENTERLINE 5 FT AGL/1369 FT MSL. RISING TERRAIN AND TREES BEGINNING 69 FT FROM DER, 267 FT LEFT OF CENTERLINE, UP TO 20 FT AGL/1381 FT MSL. TREES BEGINNING 1678 FT FROM DER, 213 FT RIGHT OF CENTERLINE, UP TO 91 FT AGL/1436 FT MSL. TREES BEGINNING 2445 FT FROM DER, 272 FT RIGHT OF CENTERLINE, UP TO 96 FT AGL/1447 FT MSL.

CONTROLLING OBSTACLES:

QUALITY CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
WADENA, MN	WADENA MUNI	22 AUGUST 2013	1

REMARKS:

FLIGHT INSPECTED BY:

Scott Thompson 6/3/13

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JILL OLSON (BRANDON SUTTON) AJV-353 04/05/2013

APPROVED BY:

LARRY STROUT AJV-353 6.17.13

COORDINATED WITH:

ALPA, AOPA, NBAA, ZMP, AMGR

CHANGES:

1. UPDATED TAKEOFF OBSTACLE NOTES.

REASONS:

1. NEW OBSTACLE EVALUATION.

QUALITY 2 CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZURES (IF/IAF)	INAGE (FB)	087.54 / 6.03	3000
INAGE (FAF)	HIRLA/2.50 NM TO RW09 (FB)	087.61 / 2.15	
HIRLA/2.50 NM TO RW09	RW09 (MAP) (FO)	087.61 / 2.50	
RW09 (MAP)	1839 MSL	087.61	
1839 MSL	WURUG (FO)		3600

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW09

CLIMB TO 3600 DIRECT WURUG AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W ZURES, RT, 087.54 INBOUND, 3300 FT. IN LIEU OF PT (IAF)
3. FAC: 087.61 FAF: INAGE DIST FAF TO MAP: 4.65 THLD: 4.65
4. MIN. ALT: ZURES 3300, INAGE 3000, HIRLA/2.50 NM TO RW09 2300*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: INAGE 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 267.82 INBOUND.
CHART FAS OBST: 1650 TREE 364202N/0935602W
DISTANCE TO THLD FROM 360 HATH: 1.00 NM.
WAAS CHANNEL # 63133
REFERENCE PATH ID: W09A
CHART MONETT AWOS-3
CHART CIRCLING ICON.
LTP HAE: 422.4 M

MAG VAR: 2E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1839	1 1/4	360	1839	1 1/4	360	1839	1 1/4	360		NA				
LNAV/VNAV DA	1994	1 3/4	515	1994	1 3/4	515	1994	1 3/4	515		NA				
LNAV MDA	1960	1	481	1960	1	481	1960	1 3/8	481		NA				
CIRCLING	2000	1	517	2020	1	537	2160	2	677		NA				

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: PROCEDURE NA AT NIGHT.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1483 THRE: 1479 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CASSVILLE, MO	CASSVILLE MUNI	RNAV	RNAV (GPS) RWY 9, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 06/03/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: USE MONETT ALTIMETER SETTING, WHEN NOT RECEIVED, USE ROGERS ALTIMETER SETTING AND INCREASE ALL DA 13 FT AND ALL MDA 20 FT AND LNAV/VNAV ALL CATS VISIBILITY TO 1 7/8 MILE.
*LNAV ONLY

TAA

	FROM	TO	ALT
1.	358/30 CW 178/30 (NOPT)	ZURES (IF/IAF) (FB)	3300
2.	178/30 CW 358/30	ZURES (IF/IAF) (FO)	3300

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1483 THRE: 1479	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CASSVILLE, MO	AIRPORT NAME: CASSVILLE MUNI	RNAV	RNAV (GPS) RWY 9, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 06/03/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	94K
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	364150.5580N
LTP/FTP LONGITUDE	0935423.9870W
LTP/FTP ELLIPSOIDAL HEIGHT	+04224
FPAP LATITUDE	364151.0600N
FPAP LONGITUDE	0935233.2000W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	54AB2792

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04509
FPAP ORTHOMETRIC HEIGHT	+04509

QUALITY 4 CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated; except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   HIRLA K30    W     N36414965W093573051                    E0017     NAR           HIRLA
        SUSAEAENRT   INAGE K30    W     N36414881W094001084                    E0018     NAR           INAGE
        SUSAEAENRT   WURUG K30    W     N36415367W093395912                    E0015     NAR           WURUG
        SUSAEAENRT   ZURES K30    W     N36414612W094074080                    E0019     NAR           ZURES

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 94K K3A94K     0     035YHN36415070W093540190E002001483         18000018000C    MNAR    CASSVILLE MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 94K K3FR09   AZURES 010ZURESK3EA0EE AR   HF                    08750040    + 03300     18000              A JS
        SUSAP 94K K3FR09   R       010ZURESK3EA0E  I    IF                               + 03300     18000              A JS
        SUSAP 94K K3FR09   R       020INAGEK3EA1E  F 051TF                    08750060    + 03000                        A JS
        SUSAP 94K K3FR09   R       020INAGEK3EA2WALPV       ALNAV/VNAV ALNAV                                           JS
        SUSAP 94K K3FR09   R       021HIRLAK3EA0E S  031TF                    08760022    V 0230002316       -300        A JS
        SUSAP 94K K3FR09   R       030RW09 K3PG0GY M 031TF                    08760025      01519            -300        A JS
        SUSAP 94K K3FR09   R       040         0  M     CA                    0876        + 01839                        A JS
        SUSAP 94K K3FR09   R       050WURUGK3EA0EY       DF                               + 03600                        A JS
        SUSAP 94K K3FR09   R       060WURUGK3EA0EE  R    HM                    26780040    + 03600                        A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 94K K3GRW09    0035990877 N36415056W093542399-0200    +04224014790000400 60R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 94K K3PR09   RW09 001 0000W09A0N3641505580W09354239870+042240300N3641510600W0935233200010675165600040 0F40050054AB2792
        SUSAP 94K K3PR09   RW09 002E      +04509+04509LPV       63133
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1483 THRE: 1479 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CASSVILLE, MO	**CASSVILLE MUNI**	**RNAV**	**RNAV (GPS) RWY 9, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **06/03/2010**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ZURES	ZURES	010	IAF	HF	R	FO		087.5(089.5T)	004.0	AA 03300	
		ZURES	010	FACF	IF		FB				AA 03300	
		INAGE	020	FAF	TF		FB	0.5	087.5(089.5T)	006.0	AA 03000	
		HIRLA	021	SDF	TF		FB	0.3	087.6(089.6T)	002.2	AA 02300 GS 02316	
		RW09	030	MAP	TF		FO	0.3	087.6(089.6T)	002.5	AT 01519	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		087.6(089.6T)		AA 01839	
	WURUG	050		DF		FO				AA 03600	
	WURUG	060		HM	R	FO		267.8(269.8T)	004.0	AA 03600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HIRLA	N364149.65	W0935730.51	N3641.828	W09357.509
	INAGE	N364148.81	W0940010.84	N3641.814	W09400.181
	WURUG	N364153.67	W0933959.12	N3641.895	W09339.985
	ZURES	N364146.12	W0940740.80	N3641.769	W09407.680
	RW09	N364150.56	W0935423.99	N3641.843	W09354.400

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	01479	40

QUALITY ASSURED

CITY AND STATE	ELEVATION: **1483** THRE: **1479**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CASSVILLE, MO	AIRPORT NAME: **CASSVILLE MUNI**	**RNAV**	**RNAV (GPS) RWY 9, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **06/03/2010**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WURUG (IF/IAF)	JOXEV (FB)	267.82 / 6.01	3100
JOXEV (FAF)	YERSU/2.50 NM TO RW27 (FB)	267.74 / 2.49	
YERSU/2.50 NM TO RW27	RW27 (MAP) (FO)	267.74 / 2.50	
RW27 (MAP)	1883 MSL	267.74	
1883 MSL	ZURES (FO)		3300

MISSED APPROACH

LP: RW27
LNAV: RW27

CLIMB TO 3300 DIRECT ZURES AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E WURUG, RT, 267.82 INBOUND, 3600 FT. IN LIEU OF PT (IAF)
3. FAC: 267.74 FAF: JOXEV DIST FAF TO MAP: 4.99 THLD: 4.99
4. MIN. ALT: WURUG 3600, JOXEV 3100, YERSU/2.50 NM TO RW27 2300
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 087.54 INBOUND.
CHART FAS OBST: 1616 OL 364203N/0935243W
WAAS CHANNEL # 50331
REFERENCE PATH ID: W27A
CHART MONETT AWOS-3
CHART CIRCLING ICON
JOXEV TO RWY 27: 3.00/40
LTP HAE: 420 M

MAG VAR: 2E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1920	1	448	1920	1	448	1920	1 3/8	448		NA				
LNAV MDA	1940	1	468	1940	1	468	1940	1 3/8	468		NA				
CIRCLING	2000	1	517	2020	1	537	2160	2	677		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: USE MONETT ALTIMETER SETTING, WHEN NOT RECEIVED, USE ROGERS ALTIMETER SETTING AND INCREASE ALL MDA 20 FT.

CITY AND STATE	ELEVATION: 1483 THRE: 1472	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CASSVILLE, MO	AIRPORT NAME: CASSVILLE MUNI	RNAV	RNAV (GPS) RWY 27, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TAA

	FROM	TO	ALT
1.	178/30 CW 358/30 (NOPT)	WURUG (IF/IAF) (FB)	3600
2.	358/30 CW 178/30	WURUG (IF/IAF) (FO)	3600

CITY AND STATE	ELEVATION: 1483 THRE: 1472	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CASSVILLE, MO	AIRPORT NAME: CASSVILLE MUNI	RNAV	RNAV (GPS) RWY 27, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	94K
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	364150.7585N
LTP/FTP LONGITUDE	0935339.7955W
LTP/FTP ELLIPSOIDAL HEIGHT	+04200
FPAP LATITUDE	364150.2500N
FPAP LONGITUDE	0935530.5900W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	9F0E5A39

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04485
FPAP ORTHOMETRIC HEIGHT	+04485

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1483 THRE: 1472	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CASSVILLE, MO	AIRPORT NAME: CASSVILLE MUNI	RNAV	RNAV (GPS) RWY 27, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   JOXEV K30    W     N36415227W093472767                    E0016     NAR           JOXEV
         SUSAEAENRT   WURUG K30    W     N36415367W093395912                    E0015     NAR           WURUG
         SUSAEAENRT   YERSU K30    W     N36415156W093503328                    E0017     NAR           YERSU
         SUSAEAENRT   ZURES K30    W     N36414612W094074080                    E0019     NAR           ZURES

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP 94K K3A94K     0     035YHN36415070W093540190E002001483          1800018000C    MNAR    CASSVILLE MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP 94K K3FR27   AWURUG 010WURUGK3EA0EE AR   HF                     26780040    + 03600     18000                A JS
         SUSAP 94K K3FR27   R      010WURUGK3EA0E  I    IF                                 + 03600     18000                A JS
         SUSAP 94K K3FR27   R      020JOXEVK3EA1E  F 051TF                     26780060    + 03100                          A JS
         SUSAP 94K K3FR27   R      020JOXEVK3EA2WALP       N          ALNAV                                                 JS
         SUSAP 94K K3FR27   R      021YERSUK3EA0E S  031TF                     26770025    V 0230002308        -300         A JS
         SUSAP 94K K3FR27   R      030RW27 K3PG0GY M 031TF                     26770025      01512             -300         A JS
         SUSAP 94K K3FR27   R      040          0  M     CA                    2677        + 01883                          A JS
         SUSAP 94K K3FR27   R      050ZURESK3EA0EY       DF                               + 03300                          A JS
         SUSAP 94K K3FR27   R      060ZURESK3EA0EE  R    HM                    08750040    + 03300                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP 94K K3GRW27    0035992677 N36415076W093533980+0200     +04200014720000400 60R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP 94K K3PR27   RW27 001 0000W27A0N3641507585W09353397955+042000300N3641502500W0935530590010675165600040 0F40 00009F0E5A39
         SUSAP 94K K3PR27   RW27 002E      +04485+04485LP       50331
```

DISPLAY A CHECKED

CITY AND STATE	ELEVATION: 1483 THRE: 1472	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CASSVILLE, MO	AIRPORT NAME: CASSVILLE MUNI	RNAV	RNAV (GPS) RWY 27, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

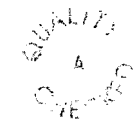
ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	WURUG	WURUG	010	IAF	HF	R	FO		267.8(269.8T)	004.0	AA 03600	
		WURUG	010	FACF	IF		FB				AA 03600	
		JOXEV	020	FAF	TF		FB	0.5	267.8(269.8T)	006.0	AA 03100	
		YERSU	021	SDF	TF		FB	0.3	267.7(269.7T)	002.5	AA 02300 GS 02308	
		RW27	030	MAP	TF		FO	0.3	267.7(269.7T)	002.5	AT 01512	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		267.7(269.7T)		AA 01883	
	ZURES	050		DF		FO				AA 03300	
	ZURES	060		HM	R	FO		087.5(089.5T)	004.0	AA 03300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	JOXEV	N364152.27	W0934727.67	N3641.871	W09347.461
	WURUG	N364153.67	W0933959.12	N3641.895	W09339.985
	YERSU	N364151.56	W0935033.28	N3641.859	W09350.555
	ZURES	N364146.12	W0940740.80	N3641.769	W09407.680
	RW27	N364150.76	W0935339.80	N3641.846	W09353.663

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27	01472	40



CITY AND STATE	ELEVATION: 1483 THRE: 1472 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CASSVILLE, MO	CASSVILLE MUNI	RNAV	RNAV (GPS) RWY 27, ORIG 22 AUGUST 2013	AMDT: NONE DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
CASSVILLE, MO	CASSVILLE MUNI	22 AUGUST 2013	AMDT 1

TAKEOFF MINIMUMS:

RWY 9, 27, STANDARD

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, TREES BEGINNING 1487 FT FROM DER, 71 FT RIGHT OF CENTERLINE, UP TO 71 FT AGL/1528 FT MSL. TREES BEGINNING 1487 FT FROM DER, 40 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/1537 FT MSL. TOWER 4324 FT FROM DER, 1224 FT LEFT OF CENTERLINE, 140 FT AGL/1600 FT MSL. TANK 4669 FT FROM DER, 1209 FT LEFT OF CENTERLINE, 136 FT AGL/1616 FT MSL. TERRAIN 61 FT FROM DER, 275 FT LEFT OF CENTERLINE, 1475 FT MSL. POLES BEGINNING 311 FT FROM DER, 49 FT RIGHT OF CENTERLINE, UP TO 43 FT AGL/1510 FT MSL. POLES BEGINNING 649 FT FROM DER, 148 FT LEFT OF CENTERLINE, UP TO 43 FT AGL/1521 FT MSL. FLGPL 1316 FT FROM DER, 751 FT LEFT OF CENTERLINE, 43 FT AGL/1548 FT MSL. BLDGS BEGINNING 397 FT FROM DER, 435 FT LEFT OF CENTERLINE, UP TO 40 FT AGL/1497 FT MSL.
NOTE: RWY 27, TREES BEGINNING 755 FT FROM DER, 180 FT RIGHT OF CENTERLINE, UP TO 61 FT AGL/1604 FT MSL. TREES BEGINNING 709 FT FROM DER, 80 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/1543 FT MSL. TERRAIN 125 FT FROM DER, 472 FT LEFT OF CENTERLINE, 1484 FT MSL. POLES BEGINNING 636 FT FROM DER, 385 FT RIGHT OF CENTERLINE, UP TO 43 FT AGL/1505 FT MSL. POLES BEGINNING 665 FT FROM DER, 320 FT LEFT OF CENTERLINE, UP TO 43 FT AGL/1516 FT MSL. BUSHES BEGINNING 183 FT FROM DER, 339 FT LEFT OF CENTERLINE, UP TO 6 FT AGL/1490 FT MSL.

CONTROLLING OBSTACLES:

QUALITY CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
CASSVILLE, MO	CASSVILLE MUNI	22 AUGUST 2013	AMDT 1

REMARKS:

FLIGHT INSPECTED BY:

Eric Weingaertner 5/1/13

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

CHRIS O'BRIEN AJV-353

APPROVED BY:

LARRY STROUT AJV-353 6.18.13

COORDINATED WITH:

ALPA, AOPA, NBAA, SGF APP CON, AMGR

CHANGES:

ADDED LOW CLOSE IN OBSTACLES FOR BOTH RUNWAYS.

REASONS:

REQUIRED

QUALITY CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GUCFY (IF/IAF)	YUXTI (FB)	014.52 / 4.75	2600
YUXTI (FAF)	ZIKTO/2.10 NM TO RW01 (FB)	014.53 / 3.19	
ZIKTO/2.10 NM TO RW01	RW01 (MAP) (FO)	014.53 / 2.10	
RW01 (MAP)	1161 MSL	014.53	
1161 MSL	GIFYO (FO)		3300

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW01

CLIMB TO 3300 DIRECT GIFYO AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 194.59 INBOUND.
CHART FAS OBST: 948 TREE 373615N/0901729W
1179 AAO 373051N/0901956W
DISTANCE TO THLD FROM 286 HATH: 0.77 NM.
WAAS CHANNEL # 70733
REFERENCE PATH ID: W01A
CHART CIRCLING ICON.
LTP HAE: 237.7 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S GUCFY, RT, 014.52 INBOUND, 3300 FT. IN LIEU OF PT (IAF)
3. FAC: 014.53 FAF: YUXTI DIST FAF TO MAP: 5.29 THLD: 5.29
4. MIN. ALT: GUCFY 3300, YUXTI 2600, ZIKTO/2.10 NM TO RW01 1580*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2600 GS ALT AT: YUXTI 2600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 0E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT
ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1161	1	286	1161	1	286	1161	1	286		NA				
LNAV/VNAV DA	1161	1	286	1161	1	286	1161	1	286		NA				
LNAV MDA	1240	1	365	1240	1	365	1240	1	365		NA				
CIRCLING	1380	1	500	1520	1	640	1640	2 1/4	760		NA				

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
(SEE FORM 8260-10)

QUALITY 4 CHECK

CITY AND STATE	ELEVATION: 880 THRE: 875	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FREDERICKTOWN, MO	AIRPORT NAME: A. PAUL VANCE FREDERICKTOWN RGNL		RNAV (GPS) RWY 1, AMDT 1 22 AUGUST 2013	AMDT: ORIG-B
				DATED 04/20/2000

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: USE FARMINGTON ALTIMETER SETTING; WHEN NOT RECEIVED, USE SPARTA ALTIMETER SETTING AND INCREASE ALL DA 111 FEET, ALL MDA 120 FEET AND INCREASE LPV ALL CATS VISIBILITY, LNAV/VNAV ALL CATS VISIBILITY AND LNAV CAT C VISIBILITY 3/8 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	285/30 CW 105/30 (NOPT)	GUCFY (IF/IAF) (FB)	3300
2.	105/30 CW 285/30	GUCFY (IF/IAF) (FO)	3300

QUALITY CHECKED

CITY AND STATE	ELEVATION: 880 THRE: 875	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FREDERICKTOWN, MO	AIRPORT NAME: A. PAUL VANCE FREDERICKTOWN RGNL	RNAV	RNAV (GPS) RWY 1, AMDT 1 22 AUGUST 2013	AMDT: ORIG-B
				DATED: 04/20/2000

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	H88
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	373601.1440N
LTP/FTP LONGITUDE	0901721.1810W
LTP/FTP ELLIPSOIDAL HEIGHT	+02377
FPAP LATITUDE	373727.4800N
FPAP LONGITUDE	0901653.0000W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	7DC20B8E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02666
FPAP ORTHOMETRIC HEIGHT	+02666

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 880 THRE: 875	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FREDERICKTOWN, MO	AIRPORT NAME: A. PAUL VANCE FREDERICKTOWN RGNL	RNAV	RNAV (GPS) RWY 1, AMDT 1 22 AUGUST 2013	AMDT: ORIG-B
				DATED: 04/20/2000

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   GIFYO K30    W     N37462252W090135788                    W0011     NAR           GIFYO
        SUSAEAENRT   GUCFY K30    W     N37261732W090203120                    W0010     NAR           GUCFY
        SUSAEAENRT   YUXTI K30    W     N37305341W090190145                    W0010     NAR           YUXTI
        SUSAEAENRT   ZIKTO K30    W     N37335903W090180099                    W0010     NAR           ZIKTO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP H88 K3AH88     0     040YHN37362030W090171490E000000880         1800018000C    MNAR    A. PAUL VANCE FREDERICKTOWN RG

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP H88 K3FR01   AGUCFY 010GUCFYK3EA0EE AR   HF                    01450040    + 03300     18000                A JS
        SUSAP H88 K3FR01   R      010GUCFYK3EA0E  I    IF                                + 03300     18000                A JS
        SUSAP H88 K3FR01   R      020YUXTIK3EA1E  F 051TF                    01450048    + 02600                          A JS
        SUSAP H88 K3FR01   R      020YUXTIK3EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP H88 K3FR01   R      021ZIKTOK3EA0E S  031TF                    01450032    V 0158001587       -300          A JS
        SUSAP H88 K3FR01   R      030RW01 K3PG0GY M 031TF                    01450021      00915            -300          A JS
        SUSAP H88 K3FR01   R      040         0  M     CA                    0145        + 01161                          A JS
        SUSAP H88 K3FR01   R      050GIFYOK3EA0EY       DF                              + 03300                          A JS
        SUSAP H88 K3FR01   R      060GIFYOK3EA0EE  R    HM                    19460040    + 03300                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP H88 K3GRW01     0040000146 N37360114W090172118+0000     +02377008750000040075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP H88 K3PR01   RW01 001 0000W01A0N3736011440W09017211810+023770300N3737274800W090165300001067515280004O0F4005007DC20B8E
        SUSAP H88 K3PR01   RW01 002E       +02666+02666LPV       70733
```

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 880 THRE: 875	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FREDERICKTOWN, MO	AIRPORT NAME: A. PAUL VANCE FREDERICKTOWN RGNL	RNAV	RNAV (GPS) RWY 1, AMDT 1 22 AUGUST 2013	AMDT: ORIG-B DATED: 04/20/2000

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GUCFY	GUCFY	010	IAF	HF	R	FO		014.5(014.5T)	004.0	AA 03300	
		GUCFY	010	FACF	IF		FB				AA 03300	
		YUXTI	020	FAF	TF		FB	0.5	014.5(014.5T)	004.8	AA 02600	
		ZIKTO	021	SDF	TF		FB	0.3	014.5(014.5T)	003.2	AA 01580 GS 01587	
		RW01	030	MAP	TF		FO	0.3	014.5(014.5T)	002.1	AT 00915	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		014.5(014.5T)		AA 01161	
	GIFYO	050		DF		FO				AA 03300	
	GIFYO	060		HM	R	FO		194.6(194.6T)	004.0	AA 03300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GIFYO	N374622.52	W0901357.88	N3746.375	W09013.965
	GUCFY	N372617.32	W0902031.20	N3726.289	W09020.520
	YUXTI	N373053.41	W0901901.45	N3730.890	W09019.024
	ZIKTO	N373359.03	W0901800.99	N3733.984	W09018.017
	RW01	N373601.14	W0901721.18	N3736.019	W09017.353

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01	00875	40

QUALITY CHECKED

CITY AND STATE	ELEVATION: 880 THRE: 875	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FREDERICKTOWN, MO	AIRPORT NAME: A. PAUL VANCE FREDERICKTOWN RGNL	RNAV	RNAV (GPS) RWY 1, AMDT 1 22 AUGUST 2013	AMDT: ORIG-B
				DATED: 04/20/2000

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GIFYO (IF/IAF)	YONVY (FB)	194.59 / 4.75	2600
YONVY (FAF)	WEPIG/2.80 NM TO RW19 (FB)	194.58 / 2.48	
WEPIG/2.80 NM TO RW19	RW19 (MAP) (FO)	194.58 / 2.80	
RW19 (MAP)	1161 MSL	194.58	
1161 MSL	GUCFY (FO)		3300

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW19

CLIMB TO 3300 DIRECT GUCFY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 014.52 INBOUND.
CHART FAS OBST: 1286 TREE 373926N/0901625W
1439 AAO 374107N/0901511W
DISTANCE TO THLD FROM 286 HATH: 0.76 NM.
WAAS CHANNEL # 72733
REFERENCE PATH ID: W19A
CHART CIRCLING ICON.
LTP HAE: 237.8 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N GIFYO, RT, 194.59 INBOUND, 3300 FT. IN LIEU OF PT (IAF)
3. FAC: 194.58 FAF: YONVY DIST FAF TO MAP: 5.28 THLD: 5.28
4. MIN. ALT: GIFYO 3300, YONVY 2600, WEPIG/2.80 NM TO RW19 1800*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2600 GS ALT AT: YONVY 2600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 42.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 0E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1161	1	286	1161	1	286	1161	1	286		NA				
LNAV/VNAV DA	1531	2 1/4	656	1531	2 1/4	656	1531	2 1/4	656		NA				
LNAV MDA	1580	1	705	1580	1	705	1580	2	705		NA				
CIRCLING	1580	1	700	1580	1	700	1640	2 1/4	760		NA				

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY

(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 880 THRE: 875 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FREDERICKTOWN, MO	A. PAUL VANCE FREDERICKTOWN RGNL	RNAV	RNAV (GPS) RWY 19, AMDT 1 22 AUGUST 2013	AMDT: ORIG-B DATED 02/16/2006

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: USE FARMINGTON ALTIMETER SETTING; WHEN NOT RECEIVED, USE SPARTA ALTIMETER SETTING AND INCREASE ALL DA 111 FEET, ALL MDA 120 FEET, LPV ALL CATS VISIBILITY 3/8 MILE, LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE, LNAV CAT B VISIBILITY 1/4 MILE AND CAT C VISIBILITY 1/2 MILE AND INCREASE CIRCLING ALL CATS VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	105/30 CW 285/30 (NOPT)	GIFYO (IF/IAF) (FB)	3300
2.	285/30 CW 105/30	GIFYO (IF/IAF) (FO)	3300

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 880 THRE: 875	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FREDERICKTOWN, MO	AIRPORT NAME: A. PAUL VANCE FREDERICKTOWN RGNL	RNAV	RNAV (GPS) RWY 19, AMDT 1 22 AUGUST 2013	AMDT: ORIG-B
				DATED: 02/16/2006

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	H88
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	373639.4120N
LTP/FTP LONGITUDE	0901708.6900W
LTP/FTP ELLIPSOIDAL HEIGHT	+02378
FPAP LATITUDE	373513.0700N
FPAP LONGITUDE	0901736.8700W
THRESHOLD CROSSING HEIGHT (TCH)	00042.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	32980512

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02668
FPAP ORTHOMETRIC HEIGHT	+02668

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 880 THRE: 875	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FREDERICKTOWN, MO	AIRPORT NAME: A. PAUL VANCE FREDERICKTOWN RGNL	RNAV	RNAV (GPS) RWY 19, AMDT 1 22 AUGUST 2013	AMDT: ORIG-B
				DATED: 02/16/2006

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   GIFYO K30    W     N37462252W090135788                      W0011     NAR          GIFYO
         SUSAEAENRT   GUCFY K30    W     N37261732W090203120                      W0010     NAR          GUCFY
         SUSAEAENRT   WEPIG K30    W     N37392220W090161551                      W0010     NAR          WEPIG
         SUSAEAENRT   YONVY K30    W     N37414662W090152827                      W0010     NAR          YONVY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP H88 K3AH88     0     040YHN37362030W090171490E000000880          1800018000C    MNAR    A. PAUL VANCE FREDERICKTOWN RG

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP H88 K3FR19   AGIFYO 010GIFYOK3EA0EE AR   HF                    19460040    + 03300     18000                A JS
         SUSAP H88 K3FR19   R      010GIFYOK3EA0E  I    IF                                + 03300     18000                A JS
         SUSAP H88 K3FR19   R      020YONVYK3EA1E  F 051TF                    19460048    + 02600                          A JS
         SUSAP H88 K3FR19   R      020YONVYK3EA2WALPV       ALNAV/VNAV ALNAV                                               JS
         SUSAP H88 K3FR19   R      021WEPIGK3EA0E S  031TF                    19460025    V 0180001816        -300         A JS
         SUSAP H88 K3FR19   R      030RW19 K3PG0GY M 031TF                    19460028      00917             -300         A JS
         SUSAP H88 K3FR19   R      040         0  M     CA                    1946        + 01161                          A JS
         SUSAP H88 K3FR19   R      050GUCFYK3EA0EY       DF                              + 03300                          A JS
         SUSAP H88 K3FR19   R      060GUCFYK3EA0EE  R    HM                    01450040    + 03300                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP H88 K3GRW19    0040001946 N37363941W090170869+0000    +0237800875000042075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP H88 K3PR19   RW19 001 0000W19A0N3736394120W09017086900+023780300N3735130700W090173687001067515280004 20F40050032980512
         SUSAP H88 K3PR19   RW19 002E      +02668+02668LPV       72733
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 880 THRE: 875	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FREDERICKTOWN, MO	AIRPORT NAME: A. PAUL VANCE FREDERICKTOWN RGNL	RNAV	RNAV (GPS) RWY 19, AMDT 1 22 AUGUST 2013	AMDT: ORIG-B
				DATED: 02/16/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GIFYO	GIFYO	010	IAF	HF	R	FO		194.6(194.6T)	004.0	AA 03300	
		GIFYO	010	FACF	IF		FB				AA 03300	
		YONVY	020	FAF	TF		FB	0.5	194.6(194.6T)	004.8	AA 02600	
		WEPIG	021	SDF	TF		FB	0.3	194.6(194.6T)	002.5	AA 01800 GS 01816	
		RW19	030	MAP	TF		FO	0.3	194.6(194.6T)	002.8	AT 00917	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		194.6(194.6T)		AA 01161	
	GUCFY	050		DF		FO				AA 03300	
	GUCFY	060		HM	R	FO		014.5(014.5T)	004.0	AA 03300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GIFYO	N374622.52	W0901357.88	N3746.375	W09013.965
	GUCFY	N372617.32	W0902031.20	N3726.289	W09020.520
	WEPIG	N373922.20	W0901615.51	N3739.370	W09016.259
	YONVY	N374146.62	W0901528.27	N3741.777	W09015.471
	RW19	N373639.41	W0901708.69	N3736.657	W09017.145

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19	00875	42

CITY AND STATE	ELEVATION: 880 THRE: 875 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FREDERICKTOWN, MO	**A. PAUL VANCE FREDERICKTOWN RGNL**	**RNAV**	**RNAV (GPS) RWY 19, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG-B**
				DATED: **02/16/2006**

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
FREDERICKTOWN, MO	A. PAUL VANCE FREDERICKTOWN RGNL	08/22/2013	1

TAKEOFF MINIMUMS:

RWY 19: STANDARD.

RWY 1: 300 - 2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 237 FT PER NM TO 1300.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1, TREES BEGINNING 9 FT FROM DER, 120 FT RIGHT OF CENTERLINE, UP TO 74 FT AGL/973 FT MSL. TREES BEGINNING 28 FT FROM DER, 121 FT LEFT OF CENTERLINE, UP TO 59 FT AGL/938 FT MSL. TREES BEGINNING 1.45 NM FROM DER, 1593 FT RIGHT OF CENTERLINE, UP TO 68 FT AGL/1177 FT MSL. TREE 1.63 NM FROM DER, 2232 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/1174 FT MSL. TREE 1.68 NM FROM DER, 1842 FT RIGHT OF CENTERLINE, UP TO 68 FT AGL/1177 FT MSL. TREE 1.77 NM FROM DER, 2719 FT RIGHT OF CENTERLINE, UP TO 52 FT AGL/1151 FT MSL.

NOTE: RWY 19, LT SUPPORT STRUCTURE BEGINNING 10 FT FROM DER, 51 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/876 FT MSL.

CONTROLLING OBSTACLES:

RWY 1: 1174 FT MSL TREE 373808.96N-0901610.79W, 1177 FT MSL TREE 373813.00N-0901614.48W, 1151 FT MSL TREE 373815.66N-0901602.35W.

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
FREDERICKTOWN, MO	A. PAUL VANCE FREDERICKTOWN RGNL	08/22/2013	1

REMARKS:

FLIGHT INSPECTED BY:

Brent Booker 5/24/13

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

MICHAEL J. DOJCAK AJV-352 03/10/2013

APPROVED BY:

LARRY STROUT AJV-353 6.20.13

COORDINATED WITH:

AOPA, NBAA, APA, ZKC, ARPT MGR, MO STATE AERO.

CHANGES:

1. AMENDED RWY 19 TAKEOFF MINIMUMS FROM 400 - 2 OR STANDARD WITH MINIMUM CLIMB OF 275 FT PER NM TO 1300 TO STANDARD.
2. AMENDED RWY 1 TAKEOFF MINIMUMS FROM 400 - 2 OR STANDARD WITH MINIMUM CLIMB OF 275 FT PER NM TO 1300 TO 300 - 2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 237 FT PER NM TO 1300.
3. AMENDED RWY 1 TAKEOFF OBSTACLE NOTES.
4. ADDED RWY 19 TAKEOFF OBSTACLE NOTES.
5. ADDED RWY 1 CONTROLLING OBSTACLES.

REASONS:

1. EVALUATED PER CURRENT CRITERIA USING CURRENT OBSTACLE, TERRAIN AND AIRPORT DATA.
2. EVALUATED USING CURRENT OBSTACLE, TERRAIN AND AIRPORT DATA.
3. EVALUATED USING CURRENT OBSTACLE, TERRAIN AND AIRPORT DATA.
4. PER CURRENT CRITERIA.
5. PER CURRENT CRITERIA.

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EOS VOR/DME	REYOB (FB)	041.58 / 6.56	3100
ZOGAR	WEBLA (FB)	269.21 / 5.39	3100
REYOB (IAF)	HOVIL (NOPT) (FB)	359.07 / 5.00	3100
WEBLA (IAF)	HOVIL (NOPT) (FB)	269.13 / 5.00	3100
HOVIL (IF/IAF)	HUPRO (FB)	314.07 / 5.93	2800
HUPRO (FAF)	WAMAT/1.90 NM TO RW31 (FB)	314.03 / 3.68	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 3100 DIRECT HOTCH AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE HOVIL, RT, 314.08 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 314.03 FAF: HUPRO DIST FAF TO MAP: 5.58 THLD: 5.58
4. MIN. ALT: HOVIL 3100, HUPRO 2800, WAMAT/1.90 NM TO RW31 1620*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: HUPRO 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 46.5 34:1 IS NOT CLEAR
8. MSA FROM: RW31 3100

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 133.87 INBOUND.
CHART FAS OBST: 1196 TOWER 370722N/0942729W
DISTANCE TO THLD FROM 251 HATH: 0.64 NM.
WAAS CHANNEL # 69334
REFERENCE PATH ID: W31A
CHART: CIRCLING ICON
LTP HAE: 268.3 M

MAG VAR: 4E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1229	3/4	251	1229	3/4	251	1229	3/4	251	1229	3/4	251			
LNAV/VNAV DA	1357	1 1/4	379	1357	1 1/4	379	1357	1 1/4	379	1357	1 1/4	379			
LNAV MDA	1500	1	522	1500	1	522	1500	1 1/2	522	1500	1 1/2	522			
CIRCLING	1500	1	519	1500	1	519	1540	1 1/2	559	1600	2	619			

NOTES:
CHART NOTE: CIRCLING TO RWY 5 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON EOS VOR/DME AIRWAY RADIALS 351 CW 111.
(SEE FORM 8260-10)

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 981 THRE: 978 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
JOPLIN, MO	JOPLIN RGNL	RNAV	RNAV (GPS) RWY 31, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A DATED 01/19/2006

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WAMAT/1.90 NM TO RW31	RW31 (MAP) (FO)	314.03 / 1.90	
RW31 (MAP)	1229 MSL	314.03	
1229 MSL	HOTCH (FO)		3100

NOTES, (CONT.):
*LNAV ONLY
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY 2

CITY AND STATE	ELEVATION: 981 THRE: 978 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JOPLIN, MO	JOPLIN RGNL	RNAV	RNAV (GPS) RWY 31, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A DATED: 01/19/2006

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KJLN
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	370842.5630N
LTP/FTP LONGITUDE	0942934.9810W
LTP/FTP ELLIPSOIDAL HEIGHT	+02683
FPAP LATITUDE	370948.8300N
FPAP LONGITUDE	0943049.6000W
THRESHOLD CROSSING HEIGHT (TCH)	00046.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0864
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F35DE5B3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02981
FPAP ORTHOMETRIC HEIGHT	+02981

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 981 THRE: 978	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JOPLIN, MO	AIRPORT NAME: JOPLIN RGNL	RNAV	RNAV (GPS) RWY 31, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A DATED: 01/19/2006

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        EOS   K3011730VDH  N36503281W094260852    N36503281W094260852E0070012002     NARNEOSHO

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   HOTCH K30    C     N37190630W094411911                    E0022     NAR           HOTCH
        SUSAEAENRT   HOVIL K30    C     N37000848W094195786                    E0020     NAR           HOVIL
        SUSAEAENRT   HUPRO K30    W     N37043363W094245515                    E0020     NAR           HUPRO
        SUSAEAENRT   REYOB K30    W     N36550852W094201790                    E0020     NAR           REYOB
        SUSAEAENRT   WAMAT K30    W     N37071775W094275956                    E0021     NAR           WAMAT
        SUSAEAENRT   WEBLA K30    W     N36595223W094134390                    E0019     NAR           WEBLA
        SUSAEAENRT   ZOGAR K30    R   L N36593429W094070053                    E0018     NAR           ZOGAR

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJLNK3AJLN     0     065YHN37090650W094295380E004000981         1800018000C    MNAR    JOPLIN RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJLNK3FR31   AEOS    010EOS  K3D 0V       IF                                          18000                A JS
        SUSAP KJLNK3FR31   AEOS    020REYOBK3EA0E  A 020TF                    04160066    + 03100                      A JS
        SUSAP KJLNK3FR31   AEOS    030HOVILK3EA0EE B 010TF                    35910050    + 03100                      A JS
        SUSAP KJLNK3FR31   AHOVIL  010HOVILK3EA0EE AR   HF                   31410040    + 03100     18000            A JS
        SUSAP KJLNK3FR31   AZOGAR  010ZOGARK3EA0E       IF                                          18000            A JS
        SUSAP KJLNK3FR31   AZOGAR  020WEBLAK3EA0E  A 020TF                    26920054    + 03100                      A JS
        SUSAP KJLNK3FR31   AZOGAR  030HOVILK3EA0EE B 010TF                    26910050    + 03100                      A JS
        SUSAP KJLNK3FR31   R       010HOVILK3EA0E  I    IF                                + 03100     18000            A JS
        SUSAP KJLNK3FR31   R       020HUPROK3EA1E  F 051TF                    31410059    + 02800              RW31  K3PGA JS
        SUSAP KJLNK3FR31   R       020HUPROK3EA2WALPV       ALNAV/VNAV ALNAV                                           JS
        SUSAP KJLNK3FR31   R       021WAMATK3EA0E S  031TF                    31400037    V 0162001629       -300      A JS
        SUSAP KJLNK3FR31   R       030RW31 K3PG0GY M 031TF                    31400019      01024            -300      A JS
        SUSAP KJLNK3FR31   R       040         0  M     CA                    3140        + 01229                      A JS
        SUSAP KJLNK3FR31   R       050HOTCHK3EA0EY      DF                                + 03100                      A JS
        SUSAP KJLNK3FR31   R       060HOTCHK3EA0EE  R   HM                    13390040    + 03100                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJLNK3GRW31    0065013140 N37084256W094293498-0500    +02683009780299471 50R
```

CITY AND STATE	ELEVATION: 981 THRE: 978	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JOPLIN, MO	AIRPORT NAME: JOPLIN RGNL	RNAV	RNAV (GPS) RWY 31, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A
				DATED: 01/19/2006

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```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJLNK3PR31    RW31 001 0000W31A0N370842563 0W09429349810+026830300N370948830 0W094304960001067508640004 65F400500F35DE5B3
        SUSAP KJLNK3PR31    RW31 002E       +02981+02981LPV        69334

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJLNK3SRW31 K3PG                0   18018003125                                                                   M
```

CITY AND STATE	ELEVATION: 981 THRE: 978	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	EOS	EOS	010		IF		FB					
	EOS	REYOB	020	IAF	TF		FB	2.0	041.6(045.6T)	006.6	AA 03100	
	EOS	HOVIL	030		TF		FB	1.0	359.1(003.1T)	005.0	AA 03100	
	HOVIL	HOVIL	010	IAF	HF	R	FO		314.1(318.1T)	004.0	AA 03100	
	ZOGAR	ZOGAR	010		IF		FB					
	ZOGAR	WEBLA	020	IAF	TF		FB	2.0	269.2(273.2T)	005.4	AA 03100	
	ZOGAR	HOVIL	030		TF		FB	1.0	269.1(273.1T)	005.0	AA 03100	
		HOVIL	010	FACF	IF		FB				AA 03100	
		HUPRO	020	FAF	TF		FB	0.5	314.1(318.1T)	005.9	AA 02800	
		WAMAT	021	SDF	TF		FB	0.3	314.0(318.0T)	003.7	AA 01620 GS 01629	
		RW31	030	MAP	TF		FO	0.3	314.0(318.0T)	001.9	AT 01024	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		314.0(318.0T)		AA 01229	
	HOTCH	050		DF		FO				AA 03100	
	HOTCH	060		HM	R	FO		133.9(137.9T)	004.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EOS	N365032.81	W0942608.52	N3650.547	W09426.142
	HOTCH	N371906.30	W0944119.11	N3719.105	W09441.319
	HOVIL	N370008.48	W0941957.86	N3700.141	W09419.964
	HUPRO	N370433.63	W0942455.15	N3704.561	W09424.919
	REYOB	N365508.52	W0942017.90	N3655.142	W09420.298
	WAMAT	N370717.75	W0942759.56	N3707.296	W09427.993
	WEBLA	N365952.23	W0941343.90	N3659.871	W09413.732
	ZOGAR	N365934.29	W0940700.53	N3659.572	W09407.009
	RW31	N370842.56	W0942934.98	N3708.709	W09429.583

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	00978	47

CITY AND STATE	ELEVATION: 981 THRE: 978	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
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				DATED: 01/19/2006

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
IBKOJ (IF/IAF)	OGIKY (FB)	193.49 / 6.20	2600
OGIKY (FAF)	WOOFF/1.70 NM TO RW19 (FB)	193.47 / 3.08	
WOOFF/1.70 NM TO RW19	RW19 (MAP) (FO)	193.47 / 1.70	
RW19 (MAP)	1442 MSL		
1442 MSL	EWETA (FO)		3000

MISSED APPROACH

LP: RW19
LNAV: RW19

CLIMB TO 3000 DIRECT EWETA AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N IBKOJ, RT, 193.49 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 193.47 FAF: OGIKY DIST FAF TO MAP: 4.78 THLD: 4.78
4. MIN. ALT: IBKOJ 3000, OGIKY 2600, WOOFF/1.70 NM TO RW19 1600
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 013.43 INBOUND.
CHART FAS OBST: 1134 TREE 373930N/0934854W
CHART FAS OBST: 1114 TREE 374001N/0934847W
1210 AAO 374153N/0934856W
1180 AAO 374123N/0934807W
CHART KNVD AWOS-3
WAAS CHANNEL # 50334
REFERENCE PATH ID: W19A
LTP HAE: 285.4 M

MAG VAR: 3E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A | X

CATEGORY ====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1460	1	423	1460	1	423		NA			NA				
LNAV MDA	1480	1	443	1480	1	443		NA			NA				
CIRCLING	1540	1	498	1540	1	498		NA			NA				

NOTES:
CHART NOTE: CIRCLING TO RWY 1 NA AT NIGHT.
CHART NOTE: USE NEVADA ALTIMETER SETTING; WHEN NOT RECEIVED, USE SPRINGFIELD ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1042 THRE: 1037 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
STOCKTON, MO	STOCKTON MUNI	RNAV	RNAV (GPS) RWY 19, ORIG-A 22 AUGUST 2013	AMDT: ORIG DATED 03/07/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PROFILE NOTE: DESCENT ANGLE NA.

TAA

	FROM	TO	ALT
1.	103/30 CW 283/30 (NOPT)	IBKOJ (IF/IAF) (FB)	3000
2.	283/30 CW 103/30	IBKOJ (IF/IAF) (FO)	3000



CITY AND STATE	ELEVATION: 1042 THRE: 1037	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
STOCKTON, MO	AIRPORT NAME: STOCKTON MUNI	RNAV	RNAV (GPS) RWY 19, ORIG-A 22 AUGUST 2013	AMDT: ORIG
				DATED: 03/07/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	MO3
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	373951.4910N
LTP/FTP LONGITUDE	0934855.2110W
LTP/FTP ELLIPSOIDAL HEIGHT	+02854
FPAP LATITUDE	373825.9400N
FPAP LONGITUDE	0934926.9800W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1816
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	EB00E7C8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03161
FPAP ORTHOMETRIC HEIGHT	+03161

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1042 THRE: 1037	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
STOCKTON, MO	AIRPORT NAME: STOCKTON MUNI	RNAV	RNAV (GPS) RWY 19, ORIG-A 22 AUGUST 2013	AMDT: ORIG
				DATED: 03/07/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   EWETA K30    W     N37284915W093530060                    E0016     NAR           EWETA
         SUSAEAENRT   IBKOJ K30    W     N37502399W093445970                    E0015     NAR           IBKOJ
         SUSAEAENRT   OGIKY K30    W     N37442699W093471277                    E0016     NAR           OGIKY
         SUSAEAENRT   WOOFF K30    W     N37412943W093481882                    E0016     NAR           WOOFF

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP MO3 K3AMO3     0     030YHN37393694W093490056E003001042         1800018000C    MNAR    STOCKTON MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP MO3 K3FR19   AIBKOJ 010IBKOJK3EA0EE AR   HF                    19350040    + 03000     18000                A JS
         SUSAP MO3 K3FR19   R      010IBKOJK3EA0E  I    IF                                + 03000     18000                A JS
         SUSAP MO3 K3FR19   R      020OGIKYK3EA1E  F 051TF                    19350062    + 02600                          A JS
         SUSAP MO3 K3FR19   R      020OGIKYK3EA2WALP        N          ALNAV                                                JS
         SUSAP MO3 K3FR19   R      021WOOFFK3EA0E S  031TF                    19350031    + 01600                          A JS
         SUSAP MO3 K3FR19   R      030RW19 K3PG0GY M 031TF                    19350017      01480              000         A JS
         SUSAP MO3 K3FR19   R      040          0  M     CA                    1935        + 01442                          A JS
         SUSAP MO3 K3FR19   R      050EWETAK3EA0EY       DF                              + 03000                          A JS
         SUSAP MO3 K3FR19   R      060EWETAK3EA0EE  R    HM                    01340040    + 03000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP MO3 K3GRW19    0030601935 N37395149W093485521-0100     +0285401037000000050R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP MO3 K3PR19   RW19 001 0000W19A0N3739514910W09348552110+028540000N3738259400W0934926980010675181600000OF400000EB00E7C8
         SUSAP MO3 K3PR19   RW19 002E      +03161+03161LP       50334
```

QUALITY

CITY AND STATE	ELEVATION: 1042 THRE: 1037	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
STOCKTON, MO	AIRPORT NAME: STOCKTON MUNI	RNAV	RNAV (GPS) RWY 19, ORIG-A 22 AUGUST 2013	AMDT: ORIG DATED: 03/07/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	IBKOJ	IBKOJ	010	IAF	HF	R	FO		193.5(196.5T)	004.0	AA 03000	
		IBKOJ	010	FACF	IF		FB				AA 03000	
		OGIKY	020	FAF	TF		FB	0.5	193.5(196.5T)	006.2	AA 02600	
		WOOFF	021	SDF	TF		FB	0.3	193.5(196.5T)	003.1	AA 01600	
		RW19	030	MAP	TF		FO	0.3	193.5(196.5T)	001.7	AT 01480	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		193.5(196.5T)		AA 01442	
	EWETA	050		DF		FO				AA 03000	
	EWETA	060		HM	R	FO		013.4(016.4T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EWETA	N372849.15	W0935300.60	N3728.819	W09353.010
	IBKOJ	N375023.99	W0934459.70	N3750.400	W09344.995
	OGIKY	N374426.99	W0934712.77	N3744.450	W09347.213
	WOOFF	N374129.43	W0934818.82	N3741.491	W09348.314
	RW19	N373951.49	W0934855.21	N3739.858	W09348.920

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19	01037	00

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: **1042** THRE: **1037**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
STOCKTON, MO	AIRPORT NAME: **STOCKTON MUNI**	**RNAV**	**RNAV (GPS) RWY 19, ORIG-A** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **03/07/2013**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MHZ VORTAC	ALLEN LOM	218.87 / 1.64	2200
ROMAR INT	ALLEN LOM	012.13 / 19.18	2200
FANEN INT	ALLEN LOM	266.65 / 13.01	2200
YURNU/MHZ 16.00 DME (IAF)	IGIHI/MHZ 8.00 DME (NOPT)	113.00 / 2.84 & 157.98 / 5.75 (I-JAN)	2200
ECESU/MHZ 8.00 DME CCW (IAF)	IGIHI/MHZ 8.00 DME (NOPT)	8.00 DME ARC (MHZ LR-344)	2200
IGIHI/MHZ 8.00 DME (IF)	ALLEN LOM	157.98 / 8.71 (I-JAN)	2200

MISSED APPROACH

ILS: DA
LOC: 5.48 MILES AFTER ALLEN LOM

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 090 AND MHZ VORTAC R-134 TO RAKIN INT/MHZ 16.54 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2200 DIRECT ALLEN LOM AND HOLD. (ADF REQUIRED).

1. PT L SIDE OF COURSE 337.98 OUTBOUND 2200 FT WITHIN 10 MILES OF ALLEN LOM (IAF)
2.
3. FAC: 157.98 FAF: ALLEN LOM DIST FAF TO MAP: 5.48 THLD: 5.48
4. MIN. ALT: ALLEN LOM 2200
5. DIST TO THLD FROM OM: 5.48 MM: - IM: 0.16 150 HAT: 1805 100 HAT: 851 GS ANT: 1051
6. MIN GS INCPT: 2200 GS ALT AT: - OM: 2155 MM: - IM: 431
7. GS ANGLE: 3.00 TCH: 55.2
8. MSA FROM: MHZ VORTAC 3500

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 314.22 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N, ALLEN LOM, RT, 157.98 INBOUND.
FAS OBST: 569 AAO 322408N/0900648W
579 AAO 3224435N/0900750W
CHART: ASR
CHART MHZ R-052 AT ECESU.
CHART (CFLSJ) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE.
CHART CIRCLING ICON

MAG VAR: 0E EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD # | LOC: STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 16L	505	1800	200	505	1800	200	505	1800	200	505	1800	200	505	1800	200
S-LOC 16L	820	2400	515	820	2400	515	820	5500	515	820	5500	515	820	5500	515
CIRCLING	880	1	534	880	1	534	900	1 1/2	554	960	2	614	1040	2 1/2	694

NOTES:
SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 16L: CAT A, B, C, D, RA 169, RVR 1400, HATh 150, DA 455 MSL.
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 16L: CAT A, B, C, D, RA 119, RVR 1200, HATh 100, DA 405 MSL.
(SEE FORM 8260-10)

CAT D 700-2, CAT E 700-2 1/2
@ CAT E 800-2 1/2
# @ NA WHEN LOCAL WEATHER NOT AVAILABLE
#@ NA WHEN CONTROL TOWER CLOSED.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 346 THRE: 305	FACILITY IDENTIFIER: I-JAN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: JACKSON-MEDGAR WILEY EVERS INTERNATIONAL		ILS OR LOC RWY 16L, AMDT 8, 08/22/2013 ILS RWY 16L (SA CAT I), ILS RWY 16L (CAT II) ILS RWY 16L (CAT III)	AMDT: 7E DATED 12/13/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS-16L: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CAT I CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAWKINS FIELD ALTIMETER SETTING AND INCREASE ALL DA 19 FEET AND ALL MDA 20 FEET.

CAT I CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE S-ILS 16L CAT E VISIBILITY TO RVR 4000 AND INCREASE S-LOC 16L CATS C/D/E VISIBILITY TO 1 3/8.

CAT I CHART NOTE: FOR INOPERATIVE ALSF-2 WHEN USING HAWKINS FIELD ALTIMETER SETTING, INCREASE S-ILS 16L CAT E VISIBILITY TO RVR 4000 AND INCREASE S-LOC 16L CATS C/D/E VISIBILITY TO 1 1/2.

CAT I CHART NOTE: PROCEDURE TURN NA FOR CAT E.

CAT I CHART NOTE: CIRCLING NA FOR CAT E SW OF RWY 16R-34L.

CAT I CHART PLANVIEW NOTE: DME OR RADAR REQUIRED FOR CAT E

SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DA.

CAT II CHART NOTE: WHEN CONTROL TOWER CLOSED, PROCEDURE NA.

CAT III CHART NOTE: WHEN CONTROL TOWER CLOSED, PROCEDURE NA.

SA CAT I CHART NOTE: WHEN CONTROL TOWER CLOSED, PROCEDURE NA.

CAT II CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

CAT III CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

SA CAT I CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 346 THRE: 305	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: JACKSON-MEDGAR WILEY EVERS INTERNATIONAL	I-JAN	ILS OR LOC RWY 16L, AMDT 8, 08/22/2013 ILS RWY 16L (SA CAT I), ILS RWY 16L (CAT II), ILS RWY 16L (CAT III)	AMDT: 7E
				DATED: 12/13/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - ILS

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        MHZ    K7011320VTH  N32260265W090055918    N32260462W090055936W0010004072     NARMAGNOLIA

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   ALLEN K70    R     N32244674W090070530                    W0006     NAR          ALLEN LOM
          SUSAEAENRT   CFLSJ K70    W     N32381232W090133086                    W0005     NAR          CNF(CFLSJ)
          SUSAEAENRT   ECESU K70    R   L N32310257W089583560                    W0007     NAR          ECESU
          SUSAEAENRT   FANEN K70    R   L N32252975W089514939                    W0008     NAR          FANEN
          SUSAEAENRT   IGIHI K70    R     N32325201W090105703                    W0006     NAR          IGIHI
          SUSAEAENRT   RAKIN K70    R   L N32144086W089514647                    W0008     NAR          RAKIN
          SUSAEAENRT   ROMAR K70    R   L N32055741W090115498                    W0005     NAR          ROMAR
          SUSAEAENRT   YURNU K70    R   L N32391874W090163667                    W0005     NAR          YURNU

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KJANK7AJAN     0      085YHN32184020W090043320E000000346          1800018000C    MNAR    JACKSON-MEDGAR WILEY EVERS INT

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KJANK7FI16L  AECESU 010ECESUK7EA0E  A    IF MHZ K7      05240080        D                18000                0 NS
          SUSAP KJANK7FI16L  AECESU 020IGIHIK7EA0EE BL   AF MHZ K7      329400800524    D   + 02200                           0 NS
          SUSAP KJANK7FI16L  AFANEN 010FANENK7EA0E       IF                                             18000                0 NS
          SUSAP KJANK7FI16L  AFANEN 020ALLENK7EA0E       TF                                 + 02200                          0 NS
          SUSAP KJANK7FI16L  AFANEN 030ALLENK7EA0EE AR   PI IJANK7      3380007029300100PI  + 02200                          0 NS
          SUSAP KJANK7FI16L  AMHZ   010MHZ  K7D 0V       IF                                             18000                0 NS
          SUSAP KJANK7FI16L  AMHZ   020ALLENK7EA0E       TF                                 + 02200                          0 NS
          SUSAP KJANK7FI16L  AMHZ   030ALLENK7EA0EE AR   PI IJANK7      3380007029300100PI  + 02200                          0 NS
          SUSAP KJANK7FI16L  AROMAR 010ROMARK7EA0E       IF                                             18000                0 NS
          SUSAP KJANK7FI16L  AROMAR 020ALLENK7EA0E       TF                                 + 02200                          0 NS
          SUSAP KJANK7FI16L  AROMAR 030ALLENK7EA0EE AR   PI IJANK7      3380007029300100PI  + 02200                          0 NS
          SUSAP KJANK7FI16L  AYURNU 010YURNUK7EA0E  A    IF                                             18000                0 NS
          SUSAP KJANK7FI16L  AYURNU 020CFLSJK7EA0E       TF                                 + 02200                          0 NS
          SUSAP KJANK7FI16L  AYURNU 030IGIHIK7EA0EE B    CF IJANK7      3380015815800058PI  + 02200                          0 NS
          SUSAP KJANK7FI16L  I      010IGIHIK7EA0E  I    IF IJANK7      33800158        PI  J 0220000220018000                0 NS
          SUSAP KJANK7FI16L  I      020ALLENK7EA0E  F    CF IJANK7      3380007015800087PI  H 0220002155        -300MHZ   K7D 0 NS
          SUSAP KJANK7FI16L  I      030RW16LK7PG0GY M    CF IJANK7      3380001615800055PI    00360         -300                 0 NS
          SUSAP KJANK7FI16L  I      040          0  M    CA                   1580          + 00800                          0 NS
          SUSAP KJANK7FI16L  I      050          0       VI                   0900                                           0 NS
```

CITY AND STATE	ELEVATION: 346 THRE: 305	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: **JACKSON-MEDGAR WILEY EVERS INTERNATIONAL**	**I-JAN**	**ILS OR LOC RWY 16L, AMDT 8, 08/22/2013** **ILS RWY 16L (SA CAT I), ILS RWY 16L (CAT II)** **ILS RWY 16L (CAT III)**	AMDT: **7E** DATED: **12/13/2012**

```
SUSAP KJANK7FI16L  I      060RAKINK7EA0EY      CF MHZ K7      13420165134200 50D   + 03000                          0 NS
SUSAP KJANK7FI16L  I      070RAKINK7EA0EE  R   HM                    3142T010    + 03000                          0 NS

            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KJANK7GRW16L   0085001580 N32194150W090043976+0500    +006660030500005515 0IIJAN3

            1         2         3         4         5         6         7         8         9         0         1         2         3
ILS    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KJANK7IIJAN3   011050RW16LN32181386W090035803158 0N32193334W0900430831053 10510419300E00005500302

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KJANK7SMHZ  K7D               0   18018003525                                                              M
```

CITY AND STATE	ELEVATION: 346 THRE: 305 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	**JACKSON-MEDGAR WILEY EVERS INTERNATIONAL**	**I-JAN**	**ILS OR LOC RWY 16L, AMDT 8, 08/22/2013** **ILS RWY 16L (SA CAT I), ILS RWY 16L (CAT II)** **ILS RWY 16L (CAT III)**	AMDT: **7E** DATED: **12/13/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ECESU	ECESU	010	IAF	IF		FB					
	ECESU	IGIHI	020		AF	L	FB		052.4()		AA 02200	
	FANEN	FANEN	010		IF		FB					
	FANEN	ALLEN	020		TF		FB				AA 02200	
	FANEN	ALLEN	030	IAF	PI	R	FB		293.0()	010.0	AA 02200	
	MHZ	MHZ	010		IF		FB					
	MHZ	ALLEN	020		TF		FB				AA 02200	
	MHZ	ALLEN	030	IAF	PI	R	FB		293.0()	010.0	AA 02200	
	ROMAR	ROMAR	010		IF		FB					
	ROMAR	ALLEN	020		TF		FB				AA 02200	
	ROMAR	ALLEN	030	IAF	PI	R	FB		293.0()	010.0	AA 02200	
	YURNU	YURNU	010	IAF	IF		FB					
	YURNU	CFLSJ	020		TF		FB				AA 02200	
	YURNU	IGIHI	030		CF		FB		158.0()	005.8	AA 02200	
		IGIHI	010	FACF	IF		FB				AA 02200 GI 02200	
		ALLEN	020	FAF	CF		FB		158.0()	008.7	GI 02200 GS 02155	
		RW16L	030	MAP	CF		FO		158.0()	005.5	AT 00360	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		158.0()		AA 00800	
		050		VI		FB		090.0()			
	RAKIN	060		CF		FO		134.2()	005.0	AA 03000	
	RAKIN	070		HM	R	FO		314.2()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MHZ	N322602.65	W0900559.18	N3226.044	W09005.986
	ALLEN	N322446.74	W0900705.30	N3224.779	W09007.088
	CFLSJ	N323812.32	W0901330.86	N3238.205	W09013.514
	ECESU	N323102.57	W0895835.60	N3231.043	W08958.593
	FANEN	N322529.75	W0895149.39	N3225.496	W08951.823
	IGIHI	N323252.01	W0901057.03	N3232.867	W09010.951
	RAKIN	N321440.86	W0895146.47	N3214.681	W08951.775
	ROMAR	N320557.41	W0901154.98	N3205.957	W09011.916
	YURNU	N323918.74	W0901636.67	N3239.312	W09016.611
	RW16L	N321941.50	W0900439.76	N3219.692	W09004.663
	IJAN (LOC)	N321813.86	W0900358.03	N3218.231	W09003.967

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

CITY AND STATE	ELEVATION: 346 THRE: 305	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: **JACKSON-MEDGAR WILEY EVERS INTERNATIONAL**	**I-JAN**	**ILS OR LOC RWY 16L, AMDT 8, 08/22/2013** **ILS RWY 16L (SA CAT I), ILS RWY 16L (CAT II)** **ILS RWY 16L (CAT III)**	AMDT: **7E** DATED: **12/13/2012**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

RW16L 00305 55

CITY AND STATE	ELEVATION: 346 THRE: 305	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: JACKSON-MEDGAR WILEY EVERS INTERNATIONAL	I-JAN	ILS OR LOC RWY 16L, AMDT 8, 08/22/2013 ILS RWY 16L (SA CAT I), ILS RWY 16L (CAT II) ILS RWY 16L (CAT III)	AMDT: 7E DATED: 12/13/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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ARINC PACKET - 424-18 - LOC

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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          SUSAEAENRT  ALLEN K70   R     N32244674W090070530                W0006    NAR          ALLEN LOM
          SUSAEAENRT  CFLSJ K70   W     N32381232W090133086                W0005    NAR          CNF(CFLSJ)
          SUSAEAENRT  ECESU K70   R   L N32310257W089583560                W0007    NAR          ECESU
          SUSAEAENRT  FANEN K70   R   L N32252975W089514939                W0008    NAR          FANEN
          SUSAEAENRT  IGIHI K70   R     N32325201W090105703                W0006    NAR          IGIHI
          SUSAEAENRT  RAKIN K70   R   L N32144086W089514647                W0008    NAR          RAKIN
          SUSAEAENRT  ROMAR K70   R   L N32055741W090115498                W0005    NAR          ROMAR
          SUSAEAENRT  YURNU K70   R   L N32391874W090163667                W0005    NAR          YURNU

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
----------------------------------------------------------------------------------------------------------------------------------
          SUSAP KJANK7AJAN     0      085YHN32184020W090043320E000000346          1800018000C    MNAR    JACKSON-MEDGAR WILEY EVERS INT

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
----------------------------------------------------------------------------------------------------------------------------------
          SUSAP KJANK7FL16L  AECESU 010ECESUK7EA0E  A    IF MHZ K7      05240080        D              18000                  0 NS
          SUSAP KJANK7FL16L  AECESU 020IGIHIK7EA0EE BL   AF MHZ K7      329400800524    D   + 02200                            0 NS
          SUSAP KJANK7FL16L  AFANEN 010FANENK7EA0E       IF                                             18000                  0 NS
          SUSAP KJANK7FL16L  AFANEN 020ALLENK7EA0E       TF                                 + 02200                            0 NS
          SUSAP KJANK7FL16L  AFANEN 030ALLENK7EA0EE AR   PI IJANK7      3380007029300100PI   + 02200                            0 NS
          SUSAP KJANK7FL16L  AMHZ   010MHZ  K7D 0V       IF                                             18000                  0 NS
          SUSAP KJANK7FL16L  AMHZ   020ALLENK7EA0E       TF                                 + 02200                            0 NS
          SUSAP KJANK7FL16L  AMHZ   030ALLENK7EA0EE AR   PI IJANK7      3380007029300100PI   + 02200                            0 NS
          SUSAP KJANK7FL16L  AROMAR 010ROMARK7EA0E       IF                                             18000                  0 NS
          SUSAP KJANK7FL16L  AROMAR 020ALLENK7EA0E       TF                                 + 02200                            0 NS
          SUSAP KJANK7FL16L  AROMAR 030ALLENK7EA0EE AR   PI IJANK7      3380007029300100PI   + 02200                            0 NS
          SUSAP KJANK7FL16L  AYURNU 010YURNUK7EA0E  A    IF                                             18000                  0 NS
          SUSAP KJANK7FL16L  AYURNU 020CFLSJK7EA0E       TF                                 + 02200                            0 NS
          SUSAP KJANK7FL16L  AYURNU 030IGIHIK7EA0EE B    CF IJANK7      3380015815800058PI   + 02200                            0 NS
          SUSAP KJANK7FL16L  L      010IGIHIK7EA0E  I    IF IJANK7      33800158        PI   + 02200   18000                    0 NS
          SUSAP KJANK7FL16L  L      020ALLENK7EA0E  F     CF IJANK7      3380007015800087PI   + 02200                MHZ   K7D 0 NS
          SUSAP KJANK7FL16L  L      030RW16LK7PG0GY M     CF IJANK7      3380001615800055PI     00360          -317               0 NS
          SUSAP KJANK7FL16L  L      040          0  M     CA                      1580         + 00800                            0 NS
          SUSAP KJANK7FL16L  L      050          0        VI                      0900                                            0 NS
```

CITY AND STATE	ELEVATION: 346 THRE: 305	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: **JACKSON-MEDGAR WILEY EVERS INTERNATIONAL**	**I-JAN**	**ILS OR LOC RWY 16L, AMDT 8, 08/22/2013** **ILS RWY 16L (SA CAT I), ILS RWY 16L (CAT II)** **ILS RWY 16L (CAT III)**	AMDT: **7E** DATED: **12/13/2012**

```
SUSAP KJANK7FL16L  L      060RAKINK7EA0EY      CF MHZ K7      13420165134200 50D   + 03000                    0 NS
SUSAP KJANK7FL16L  L      070RAKINK7EA0EE  R   HM                    3142T010    + 03000                    0 NS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KJANK7GRW16L   0085001580 N32194150W090043976+0500    +006660030500005515 0IIJAN3

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KJANK7IIJAN3   011050RW16LN32181386W090035803158 0N32193334W0900430831053 10510419300E00005500302

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KJANK7SMHZ  K7D               0   18018003525                                                          M
```

CITY AND STATE	ELEVATION: 346 THRE: 305	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: JACKSON-MEDGAR WILEY EVERS INTERNATIONAL	I-JAN	ILS OR LOC RWY 16L, AMDT 8, 08/22/2013 ILS RWY 16L (SA CAT I), ILS RWY 16L (CAT II) ILS RWY 16L (CAT III)	AMDT: 7E DATED: 12/13/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ECESU	ECESU	010	IAF	IF		FB					
	ECESU	IGIHI	020		AF	L	FB		052.4()		AA 02200	
	FANEN	FANEN	010		IF		FB					
	FANEN	ALLEN	020		TF		FB				AA 02200	
	FANEN	ALLEN	030	IAF	PI	R	FB		293.0()	010.0	AA 02200	
	MHZ	MHZ	010		IF		FB					
	MHZ	ALLEN	020		TF		FB				AA 02200	
	MHZ	ALLEN	030	IAF	PI	R	FB		293.0()	010.0	AA 02200	
	ROMAR	ROMAR	010		IF		FB					
	ROMAR	ALLEN	020		TF		FB				AA 02200	
	ROMAR	ALLEN	030	IAF	PI	R	FB		293.0()	010.0	AA 02200	
	YURNU	YURNU	010	IAF	IF		FB					
	YURNU	CFLSJ	020		TF		FB				AA 02200	
	YURNU	IGIHI	030		CF		FB		158.0()	005.8	AA 02200	
		IGIHI	010	FACF	IF		FB				AA 02200	
		ALLEN	020	FAF	CF		FB		158.0()	008.7	AA 02200	
		RW16L	030	MAP	CF		FO		158.0()	005.5	AT 00360	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		158.0()		AA 00800	
		050		VI		FB		090.0()			
	RAKIN	060		CF		FO		134.2()	005.0	AA 03000	
	RAKIN	070		HM	R	FO		314.2()	T01.0	AA 03000	

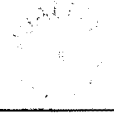
POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MHZ	N322602.65	W0900559.18	N3226.044	W09005.986
	ALLEN	N322446.74	W0900705.30	N3224.779	W09007.088
	CFLSJ	N323812.32	W0901330.86	N3238.205	W09013.514
	ECESU	N323102.57	W0895835.60	N3231.043	W08958.593
	FANEN	N322529.75	W0895149.39	N3225.496	W08951.823
	IGIHI	N323252.01	W0901057.03	N3232.867	W09010.951
	RAKIN	N321440.86	W0895146.47	N3214.681	W08951.775
	ROMAR	N320557.41	W0901154.98	N3205.957	W09011.916
	YURNU	N323918.74	W0901636.67	N3239.312	W09016.611
	RW16L	N321941.50	W0900439.76	N3219.692	W09004.663
	IJAN (LOC)	N321813.86	W0900358.03	N3218.231	W09003.967

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

CITY AND STATE	ELEVATION: **346** **THRE: 305**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: **JACKSON-MEDGAR WILEY EVERS INTERNATIONAL**	**I-JAN**	**ILS OR LOC RWY 16L, AMDT 8, 08/22/2013** **ILS RWY 16L (SA CAT I), ILS RWY 16L (CAT II)** **ILS RWY 16L (CAT III)**	AMDT: **7E** DATED: **12/13/2012**

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RW16L 00305 55



CITY AND STATE	ELEVATION: 346 THRE: 305	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: **JACKSON-MEDGAR WILEY EVERS INTERNATIONAL**	**I-JAN**	**ILS OR LOC RWY 16L, AMDT 8, 08/22/2013 ILS RWY 16L (SA CAT I), ILS RWY 16L (CAT II) ILS RWY 16L (CAT III)**	AMDT: **7E**
				DATED: **12/13/2012**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MHZ VORTAC	DABEY/MHZ 12.84 DME/RADAR	167.62 / 12.84	2100
ENAKE/MHZ 20.00 DME CW (IAF)	FAVIN/MHZ 20.00 DME/RADAR (NOPT)	20.00 DME ARC (MHZ LR-158)	3500
ZIPGI/MHZ 20.00 DME CCW (IAF)	FAVIN/MHZ 20.00 DME/RADAR (NOPT)	20.00 DME ARC (MHZ LR-171)	3500
OBUJI/MHZ 20.00 DME CW (IAF)	FAVIN/MHZ 20.00 DME/RADAR (NOPT)	20.00 DME ARC (MHZ LR-158)	3500
WUDVI/MHZ 20.00 DME CCW (IAF)	FAVIN/MHZ 20.00 DME/RADAR (NOPT)	20.00 DME ARC (MHZ LR-171)	3500
FAVIN/MHZ 20.00 DME/RADAR (IF)	DABEY/MHZ 12.84 DME/RADAR	337.99 / 7.21 (I-FRL)	1800

MISSED APPROACH

ILS: DA
LOC: 4.44 MILES AFTER DABEY/MHZ 12.84 DME/RADAR OR AT MHZ 8.48 DME FIX

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 070 AND MHZ VORTAC R-134 TO RAKIN INT/MHZ 16.54 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 2200 DIRECT ALLEN LOM AND HOLD. (ADF REQUIRED).

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 314.22 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW JA LOM, RT, 157.98 INBOUND.
CHART FAS OBST: 491 POLE 321605N/0900335W
CHART: ASR
CHART MHZ R-094 AT ENAKE.
CHART MHZ R-134 AT OBUJI.
CHART MHZ R-233 AT WUDVI.
CHART MHZ R-274 AT ZIPGI.
CHART IN PLANVIEW: ALLEN LOM.
% DME FROM MHZ VORTAC.
CHART CIRCLING ICON

1. PT L SIDE OF COURSE 157.99 OUTBOUND 2100 FT WITHIN 10 MILES OF DABEY (IAF)
2.
3. FAC: 337.99 FAF: DABEY/MHZ 12.84 DME/RADAR DIST FAF TO MAP: 4.44 THLD: 4.44
4. MIN. ALT: DABEY 1800, JUCZU/MHZ 9.95 DME/RADAR 840*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1148
6. MIN GS INCPT: 1800 GS ALT AT: DABEY 1800 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 57.8
8. MSA FROM: MHZ VORTAC 3500

MAG VAR: 0E EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD # LOC: STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 34L	529	1800	200	529	1800	200	529	1800	200	529	1800	200	529	1800	200
S-LOC 34L	840	4000	511	840	4000	511	840	5500	511	840	5500	511	840	5500	511
CIRCLING	880	1	534	880	1	534	900	1 1/2	554	960	2	614	1040	2 1/2	694
JUCZU DME MINIMUMS %															
S-LOC 34L	760	4000	431	760	4000	431	760	4000	431	760	4000	431	760	4000	431
CIRCLING	880	1	534	880	1	534	900	1 1/2	554	960	2	614	1040	2 1/2	694

NOTES:
*LOC ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAWKINS FIELD ALTIMETER SETTING AND INCREASE ALL DA 19 FEET AND ALL MDA 20 FEET; INCREASE S-ILS 34L VISIBILITY TO RVR 4000.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 34L CAT E VISIBILITY TO RVR 4000 AND S-LOC 34L (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
#@ NA WHEN CONTROL TOWER CLOSED.

CITY AND STATE	ELEVATION: 346 THRE: 329 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
JACKSON, MS	JACKSON-MEDGAR WILEY EVERS INTERNATIONAL	I-FRL	ILS OR LOC RWY 34L, AMDT 6, 08/22/2013	AMDT: 5B
				DATED 05/03/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):
ALL CATS VISIBILITY TO 1 3/8.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING HAWKINS FIELD ALTIMETER SETTING, INCREASE S-LOC 34L CAT E VISIBILITY TO 1 1/2.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 34L WHEN USING HAWKINS FIELD ALTIMETER SETTING.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 SM NOT AUTHORIZED.
CHART NOTE: PROCEDURE TURN NA FOR CAT E.
CHART PLANVIEW NOTE: DME OR RADAR REQUIRED FOR CAT E.
CHART NOTE: CIRCLING NA FOR CAT E SW OF RWY 16R-34L.
*860 WHEN USING HAWKINS FIELD ALTIMETER SETTING

CITY AND STATE	ELEVATION: 346 THRE: 329	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: JACKSON-MEDGAR WILEY EVERS INTERNATIONAL	I-FRL	ILS OR LOC RWY 34L, AMDT 6, 08/22/2013	AMDT: 5B
				DATED: 05/03/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC PACKET - 424-18 - ILS

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MHZ   K7011320VTH  N32260265W090055918    N32260462W090055936W0010004072     NARMAGNOLIA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DABEY K70    C     N32133156W090022902                    W0006     NAR          DABEY
        SUSAEAENRT   ENAKE K70    R   L N32250693W089422295                    W0009     NAR          ENAKE
        SUSAEAENRT   FAVIN K70    C     N32064944W089591821                    W0007     NAR          FAVIN
        SUSAEAENRT   OBUJI K70    R   L N32121807W089484850                    W0008     NAR          OBUJI
        SUSAEAENRT   RAKIN K70    R   L N32144086W089514647                    W0008     NAR          RAKIN
        SUSAEAENRT   WUDVI K70    R   L N32133642W090242972                    W0004     NAR          WUDVI
        SUSAEAENRT   ZIPGI K70    R   L N32271192W090293485                    W0003     NAR          ZIPGI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJANK7AJAN     0     085YHN32184020W090043320E000000346          1800018000C    MNAR    JACKSON-MEDGAR WILEY EVERS INT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJANK7FI34L  AENAKE 010ENAKEK7EA0E  A    IF MHZ K7      09360200        D                 18000                  0 NS
        SUSAP KJANK7FI34L  AENAKE 020OBUJIK7EA0E   R   AF MHZ K7      134202000936    D   + 03500                              0 NS
        SUSAP KJANK7FI34L  AENAKE 030FAVINK7EA0EE BR   AF MHZ K7      164502001342    D   + 03500                              0 NS
        SUSAP KJANK7FI34L  AMHZ   010MHZ  K7D 0V       IF                                 18000                  0 NS
        SUSAP KJANK7FI34L  AMHZ   020DABEYK7EA0E        TF                         + 02100                        0 NS
        SUSAP KJANK7FI34L  AMHZ   030DABEYK7EA0EE AR    PI IFRLK7      1580006011300100PI  + 02100                        0 NS
        SUSAP KJANK7FI34L  AOBUJI 010OBUJIK7EA0E  A    IF MHZ K7      13420200        D                 18000                  0 NS
        SUSAP KJANK7FI34L  AOBUJI 020FAVINK7EA0EE BR   AF MHZ K7      164502001342    D   + 03500                              0 NS
        SUSAP KJANK7FI34L  AWUDVI 010WUDVIK7EA0E  A    IF MHZ K7      23270200        D                 18000                  0 NS
        SUSAP KJANK7FI34L  AWUDVI 020FAVINK7EA0EE BL   AF MHZ K7      164502002327    D   + 03500                              0 NS
        SUSAP KJANK7FI34L  AZIPGI 010ZIPGIK7EA0E  A    IF MHZ K7      27440200        D                 18000                  0 NS
        SUSAP KJANK7FI34L  AZIPGI 020WUDVIK7EA0E   L   AF MHZ K7      232702002744    D   + 03500                              0 NS
        SUSAP KJANK7FI34L  AZIPGI 030FAVINK7EA0EE BL   AF MHZ K7      164502002327    D   + 03500                              0 NS
        SUSAP KJANK7FI34L  I      010FAVINK7EA0E  I    IF IFRLK7      15800133        PI  J 0350001800180000                   0 NS
        SUSAP KJANK7FI34L  I      020DABEYK7EA0E  F    CF IFRLK7      1580006033800072PI  H 0180001800          -300MHZ   K7D 0 NS
        SUSAP KJANK7FI34L  I      030RW34LK7PG0GY M    CF IFRLK7      1580001633800044PI    00387               -300           0 NS
        SUSAP KJANK7FI34L  I      040          0  M    CA                    3380        + 01200                              0 NS
        SUSAP KJANK7FI34L  I      050          0    R  VIY                   0700                                             0 NS
        SUSAP KJANK7FI34L  I      060RAKINK7EA0EY      CF MHZ K7      1342016513420140D   + 03000                              0 NS
        SUSAP KJANK7FI34L  I      070RAKINK7EA0EE  R   HM                    3142T010    + 03000                              0 NS
```

CITY AND STATE	ELEVATION: 346 THRE: 329	FACILITY IDENTIFIER:	PROCEDURE NO / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: **JACKSON-MEDGAR WILEY EVERS INTERNATIONAL**	**I-FRL**	**ILS OR LOC RWY 34L, AMDT 6 08/22/2013**	AMDT: **5B**
				DATED: **05/03/2012**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                  1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KJANK7GRW34L   0085003380 N32173898W090042667-0300     +00738003290000581501IFRL1

                  1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KJANK7IIFRL1   010930RW34LN32190856W0900509333380N32174804W0900436001266 11480411300E00005800320

                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KJANK7SMHZ  K7D                0   18018003525                                                                   M
```

CITY AND STATE	ELEVATION: 346 THRE: 329	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: **JACKSON-MEDGAR WILEY EVERS INTERNATIONAL**	**I-FRL**	**ILS OR LOC RWY 34L, AMDT 6 08/22/2013**	AMDT: **5B**
				DATED: **05/03/2012**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ENAKE	ENAKE	010	IAF	IF		FB					
	ENAKE	OBUJI	020		AF	R	FB		093.6()		AA 03500	
	ENAKE	FAVIN	030		AF	R	FB		134.2()		AA 03500	
	MHZ	MHZ	010		IF		FB					
	MHZ	DABEY	020		TF		FB				AA 02100	
	MHZ	DABEY	030	IAF	PI	R	FB		113.0()	010.0	AA 02100	
	OBUJI	OBUJI	010	IAF	IF		FB					
	OBUJI	FAVIN	020		AF	R	FB		134.2()		AA 03500	
	WUDVI	WUDVI	010	IAF	IF		FB					
	WUDVI	FAVIN	020		AF	L	FB		232.7()		AA 03500	
	ZIPGI	ZIPGI	010	IAF	IF		FB					
	ZIPGI	WUDVI	020		AF	L	FB		274.4()		AA 03500	
	ZIPGI	FAVIN	030		AF	L	FB		232.7()		AA 03500	
		FAVIN	010	FACF	IF		FB				AA 03500 GI 01800	
		DABEY	020	FAF	CF		FB		338.0()	007.2	GI 01800 GS 01800	
		RW34L	030	MAP	CF		FO		338.0()	004.4	AT 00387	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		338.0()		AA 01200	
		050		VI	R	FB		070.0()			
	RAKIN	060		CF		FO		134.2()	014.0	AA 03000	
	RAKIN	070		HM	R	FO		314.2()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MHZ	N322602.65	W0900559.18	N3226.044	W09005.986
	DABEY	N321331.56	W0900229.02	N3213.526	W09002.484
	ENAKE	N322506.93	W0894222.95	N3225.116	W08942.383
	FAVIN	N320649.44	W0895918.21	N3206.824	W08959.304
	OBUJI	N321218.07	W0894848.50	N3212.301	W08948.808
	RAKIN	N321440.86	W0895146.47	N3214.681	W08951.775
	WUDVI	N321336.42	W0902429.72	N3213.607	W09024.495
	ZIPGI	N322711.92	W0902934.85	N3227.199	W09029.581
	RW34L	N321738.98	W0900426.67	N3217.650	W09004.445
	IFRL (LOC)	N321908.56	W0900509.33	N3219.143	W09005.156

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34L	00329	58

CITY AND STATE	ELEVATION: 346 THRE: 329	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: **JACKSON-MEDGAR WILEY EVERS INTERNATIONAL**	**I-FRL**	**ILS OR LOC RWY 34L, AMDT 6 08/22/2013**	AMDT: **5B**
				DATED: **05/03/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - LOC

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD       MHZ   K7011320VTH  N32260265W090055918    N32260462W090055936W0010004072     NARMAGNOLIA

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT  DABEY K70    C     N32133156W090022902                    W0006     NAR          DABEY
          SUSAEAENRT  ENAKE K70    R   L N32250693W089422295                    W0009     NAR          ENAKE
          SUSAEAENRT  FAVIN K70    C     N32064944W089591821                    W0007     NAR          FAVIN
          SUSAEAENRT  JUCZU K70    R     N32161520W090034685                    W0006     NAR          JUCZU
          SUSAEAENRT  OBUJI K70    R   L N32121807W089484850                    W0008     NAR          OBUJI
          SUSAEAENRT  RAKIN K70    R   L N32144086W089514647                    W0008     NAR          RAKIN
          SUSAEAENRT  WUDVI K70    R   L N32133642W090242972                    W0004     NAR          WUDVI
          SUSAEAENRT  ZIPGI K70    R   L N32271192W090293485                    W0003     NAR          ZIPGI

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KJANK7AJAN     0     085YHN32184020W090043320E000000346         1800018000C    MNAR    JACKSON-MEDGAR WILEY EVERS INT

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KJANK7FL34L  AENAKE 010ENAKEK7EA0E  A    IF MHZ K7      09360200       D                 18000                0 NS
          SUSAP KJANK7FL34L  AENAKE 020OBUJIK7EA0E   R   AF MHZ K7      134202000936   D   + 03500                            0 NS
          SUSAP KJANK7FL34L  AENAKE 030FAVINK7EA0EE BR   AF MHZ K7      164502001342   D   + 03500                            0 NS
          SUSAP KJANK7FL34L  AMHZ   010MHZ  K7D 0V       IF                                                18000                0 NS
          SUSAP KJANK7FL34L  AMHZ   020DABEYK7EA0E       TF                                            + 02100                0 NS
          SUSAP KJANK7FL34L  AMHZ   030DABEYK7EA0EE AR   PI IFRLK7      1580006011300100PI  + 02100                            0 NS
          SUSAP KJANK7FL34L  AOBUJI 010OBUJIK7EA0E  A    IF MHZ K7      13420200       D                 18000                0 NS
          SUSAP KJANK7FL34L  AOBUJI 020FAVINK7EA0EE BR   AF MHZ K7      164502001342   D   + 03500                            0 NS
          SUSAP KJANK7FL34L  AWUDVI 010WUDVIK7EA0E  A    IF MHZ K7      23270200       D                 18000                0 NS
          SUSAP KJANK7FL34L  AWUDVI 020FAVINK7EA0EE BL   AF MHZ K7      164502002327   D   + 03500                            0 NS
          SUSAP KJANK7FL34L  AZIPGI 010ZIPGIK7EA0E  A    IF MHZ K7      27440200       D                 18000                0 NS
          SUSAP KJANK7FL34L  AZIPGI 020WUDVIK7EA0E   L   AF MHZ K7      232702002744   D   + 03500                            0 NS
          SUSAP KJANK7FL34L  AZIPGI 030FAVINK7EA0EE BL   AF MHZ K7      164502002327   D   + 03500                            0 NS
          SUSAP KJANK7FL34L  L      010FAVINK7EA0E  I    IF IFRLK7      15800133       PI  + 03500   18000                    0 NS
          SUSAP KJANK7FL34L  L      020DABEYK7EA0E  F    CF IFRLK7      1580006033800072PI  + 01800                MHZ  K7D 0 NS
          SUSAP KJANK7FL34L  L      021JUCZUK7EA0E S     CF IFRLK7      1580003133800029PI  + 00840          -300                0 NS
          SUSAP KJANK7FL34L  L      030RW34LK7PG0GY M    CF IFRLK7      1580001633800015PI    00387          -300                0 NS
          SUSAP KJANK7FL34L  L      040          0  M    CA                        3380       + 01200                            0 NS
          SUSAP KJANK7FL34L  L      050          0     R VIY                       0700                                          0 NS
```

CITY AND STATE	ELEVATION: 346 THRE: 329	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: **JACKSON-MEDGAR WILEY EVERS INTERNATIONAL**	**I-FRL**	**ILS OR LOC RWY 34L, AMDT 6 08/22/2013**	AMDT: **5B**
				DATED: **05/03/2012**

```
SUSAP KJANK7FL34L  L      060RAKINK7EA0EY      CF MHZ K7      13420165134201400D   + 0300C                          0 NS
SUSAP KJANK7FL34L  L      070RAKINK7EA0EE  R   HM                      3142T010    + 0300C                          0 NS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KJANK7GRW34L   0085003380 N32173898W090042667-0300     +00738003290000581501IFRL1

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KJANK7IIFRL1   010930RW34LN32190856W0900509333380N32174804W0900436001266 1148041130E00005800320

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KJANK7SMHZ  K7D               0   18018003525                                                              M
```

CITY AND STATE	ELEVATION: 346 THRE: 329 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	**JACKSON-MEDGAR WILEY EVERS INTERNATIONAL**	**I-FRL**	**ILS OR LOC RWY 34L, AMDT 6 08/22/2013**	AMDT: **5B**
				DATED: **05/03/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ENAKE	ENAKE	010	IAF	IF		FB					
	ENAKE	OBUJI	020		AF	R	FB		093.6()		AA 03500	
	ENAKE	FAVIN	030		AF	R	FB		134.2()		AA 03500	
	MHZ	MHZ	010		IF		FB					
	MHZ	DABEY	020		TF		FB				AA 02100	
	MHZ	DABEY	030	IAF	PI	R	FB		113.0()	010.0	AA 02100	
	OBUJI	OBUJI	010	IAF	IF		FB					
	OBUJI	FAVIN	020		AF	R	FB		134.2()		AA 03500	
	WUDVI	WUDVI	010	IAF	IF		FB					
	WUDVI	FAVIN	020		AF	L	FB		232.7()		AA 03500	
	ZIPGI	ZIPGI	010	IAF	IF		FB					
	ZIPGI	WUDVI	020		AF	L	FB		274.4()		AA 03500	
	ZIPGI	FAVIN	030		AF	L	FB		232.7()		AA 03500	
		FAVIN	010	FACF	IF		FB				AA 03500	
		DABEY	020	FAF	CF		FB		338.0()	007.2	AA 01800	
		JUCZU	021	SDF	CF		FB		338.0()	002.9	AA 00840	
		RW34L	030	MAP	CF		FO		338.0()	001.5	AT 00387	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		338.0()		AA 01200	
		050		VI	R	FB		070.0()			
	RAKIN	060		CF		FO		134.2()	014.0	AA 03000	
	RAKIN	070		HM	R	FO		314.2()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MHZ	N322602.65	W0900559.18	N3226.044	W09005.986
	DABEY	N321331.56	W0900229.02	N3213.526	W09002.484
	ENAKE	N322506.93	W0894222.95	N3225.116	W08942.383
	FAVIN	N320649.44	W0895918.21	N3206.824	W08959.304
	JUCZU	N321615.20	W0900346.85	N3216.253	W09003.781
	OBUJI	N321218.07	W0894848.50	N3212.301	W08948.808
	RAKIN	N321440.86	W0895146.47	N3214.681	W08951.775
	WUDVI	N321336.42	W0902429.72	N3213.607	W09024.495
	ZIPGI	N322711.92	W0902934.85	N3227.199	W09029.581
	RW34L	N321738.98	W0900426.67	N3217.650	W09004.445
	IFRL (LOC)	N321908.56	W0900509.33	N3219.143	W09005.156

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

CITY AND STATE	ELEVATION: 346 THRE: 329	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: **JACKSON-MEDGAR WILEY EVERS INTERNATIONAL**	**I-FRL**	**ILS OR LOC RWY 34L, AMDT 6 08/22/2013**	AMDT: **5B**
				DATED: **05/03/2012**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

RW34L 00329 58



CITY AND STATE	ELEVATION: 346 THRE: 329	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, MS	AIRPORT NAME: JACKSON-MEDGAR WILEY EVERS INTERNATIONAL	I-FRL	ILS OR LOC RWY 34L, AMDT 6 08/22/2013	AMDT: 5B
				DATED: 05/03/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MHZ VORTAC	HIKIG/8.00 DME	354.70 / 8.00	2500
NOYIG/8.00 DME CCW (IAF)	HIKIG/8.00 DME (NOPT)	8.00 DME ARC (MHZ LR-010)	2500
HIKIG/8.00 DME (IF/IAF)	MHZ VORTAC	174.69 / 8.00	2500

MISSED APPROACH

MAP: MHZ 6.44 DME FIX

CLIMBING LEFT TURN TO 3000 ON HEADING 103 AND MHZ VORTAC R-134 TO RAKIN INT/MHZ 16.54 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 314.22 INBOUND.
FAS OBST: 569 AAO 322408N/0900648W
CHART MHZ R-094 AT NOYIG.
MHZ VORTAC TO RW16L: 3.11/71.
CHART VDP AT 4.92 DME;
DISTANCE VDP TO THLD 1.52 MILES.
CHART CIRCLING ICON

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N HIKIG, LT, 174.69 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC 170.97 FAF MHZ VORTAC DIST FAF TO MAP ____ THLD 6.44
4. MIN. ALT HIKIG 2500, MHZ VORTAC 2500
8. MSA FROM: MHZ VORTAC 3500

MAG VAR: 1W EPOCH YEAR:2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-16L	860	4000	555	860	4000	555	860	6000	555	860	6000	555	860	6000	555
CIRCLING	880	1	534	880	1	534	900	1 1/2	554	960	2	614	1040	2 1/2	694

NOTES:

CHART NOTE: VDP NA WITH HAWKINS FIELD ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAWKINS FIELD ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET; INCREASE S-16L CATS C/D/E VISIBILITY TO 1 1/4 MILE.
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-16L CATS A/B VISIBILITY TO 1 MILE; CAT E TO 1 5/8.
(SEE FORM 8260-10)

@ CAT E 800-2 1/2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 346 THRE: 305 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
JACKSON, MS	JACKSON-MEDGAR WILEY EVERS INTERNATIONAL	MHZ	VOR/DME OR TACAN RWY 16L, ORIG, 08/22/2013	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE ALSF WHEN USING HAWKINS FIELD ALTIMETER SETTING, INCREASE S-16L CATS A/B VISIBILITY TO 1 MILE, AND CATS C/D/E VISIBILITY TO 1 5/8.
CHART NOTE: CIRCLING NA FOR CAT E SW OF RWY 16R-34L.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.



CITY AND STATE	ELEVATION: 346 THRE: 305 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JACKSON, MS	**JACKSON-MEDGAR WILEY EVERS INTERNATIONAL**	**MHZ**	**VOR/DME OR TACAN RWY 16L, ORIG, 08/22/2013**	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MHZ VORTAC	HIKIG/8.00 DME	354.70 / 8.00	2500
NOYIG/8.00 DME CCW (IAF)	HIKIG/8.00 DME (NOPT)	8.00 DME ARC (MHZ LR-010)	2500
HIKIG/8.00 DME (IF/IAF)	MHZ VORTAC	174.69 / 8.00	2500

MISSED APPROACH

MAP: MHZ 7.12 DME FIX

CLIMBING LEFT TURN TO 3000 ON HEADING 103 AND MHZ VORTAC R-134 TO RAKIN INT/MHZ 16.54 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 314.22 INBOUND.
FAS OBST: 569 AAO 322408N/0900648W
CHART MHZ R-094 AT NOYIG.
MHZ VORTAC TO RW16R: 2.83/55.
CHART VDP AT 5.57 DME;
DISTANCE VDP TO THLD 1.55 MILES.
CHART CIRCLING ICON

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N HIKIG, LT, 174.69 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC 174.70 FAF MHZ VORTAC DIST FAF TO MAP ____ THLD 7.12
4. MIN. ALT HIKIG 2500, MHZ VORTAC 2500
8. MSA FROM: MHZ VORTAC 3500

MAG VAR: 1W EPOCH YEAR:2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-16R	880	1	575	880	1	575	880	1 5/8	575	880	1 5/8	575	880	1 5/8	575
CIRCLING	880	1	534	880	1	534	900	1 1/2	554	960	2	614	1040	2 1/2	694

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: VDP NA WITH HAWKINS FIELD ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAWKINS FIELD ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET; INCREASE S-16R CATS C/D/E VISIBILITY 1/8 MILE.
(SEE FORM 8260-10)

@ CAT E 800-2 1/2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 346 THRE: 305	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
JACKSON, MS	AIRPORT NAME: JACKSON-MEDGAR WILEY EVERS INTERNATIONAL	MHZ	VOR/DME OR TACAN RWY 16R, ORIG, 08/22/2013	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: CIRCLING NA FOR CAT E SW OF RWY 16R-34L.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
JACKSON, MS	**ELEVATION: 346** **THRE: 305** AIRPORT NAME: **JACKSON-MEDGAR WILEY EVERS INTERNATIONAL**	**MHZ**	**VOR/DME OR TACAN RWY 16R, ORIG, 08/22/2013**	SUP: AMDT: **NONE** DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MHZ VORTAC	CAYAD/13.48 DME	172.13 / 13.48	2100
ENAKE/20.00 DME CW (IAF)	CUVEN/20.00 DME (NOPT)	20.00 DME ARC (MHZ LR-166)	3500
ZIPGI/20.00 DME CCW (IAF)	CUVEN/20.00 DME (NOPT)	20.00 DME ARC (MHZ LR-178)	3500
OBUJI/20.00 DME CW (IAF)	CUVEN/20.00 DME (NOPT)	20.00 DME ARC (MHZ LR-166)	3500
WUDVI/20.00 DME CCW (IAF)	CUVEN/20.00 DME (NOPT)	20.00 DME ARC (MHZ LR-178)	3500
CUVEN/20.00 DME (IF)	CAYAD/13.48 DME	352.13 / 6.52 (MHZ R-172)	2000

MISSED APPROACH

MAP: MHZ 8.51 DME FIX

CLIMBING RIGHT TURN TO 3000 ON HEADING 120 AND MHZ VORTAC R-134 TO RAKIN INT/MHZ 16.54 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 314.22 INBOUND.
FAS OBST: 589 AAO 321438N/0900234W
649 AAO 321207N/0900414W
CHART MHZ R-094 AT ENAKE.
CHART MHZ R-274 AT ZIPGI.
CHART MHZ R-233 AT WUDVI.
CHART MHZ R-134 AT OBUJI.
CAYAD TO RW34L: 3.05/55.
CHART VDP AT 9.89 DME;
DISTANCE VDP TO THLD 1.41 MILES.
CHART CIRCLING ICON

1. PT L SIDE OF COURSE 172.13 OUTBOUND 2100 FT WITHIN 15 MILES OF CAYAD (IAF)
2.
3. FAC 352.13 FAF CAYAD/13.48 DME DIST FAF TO MAP THLD 5.00
4. MIN. ALT CAYAD 2000
8. MSA FROM: MHZ VORTAC 3500

MAG VAR: 1W EPOCH YEAR:2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-34L	840	5500	511	840	5500	511	840	1 3/8	511	840	1 3/8	511	840	1 3/8	511
CIRCLING	880	1	534	880	1	534	900	1 1/2	554	960	2	614	1040	2 1/2	694

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAWKINS FIELD ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET; INCREASE S-34L CATS C/D/E VISIBILITY 1/8 MILE.
CHART NOTE: CIRCLING NA FOR CAT E SW OF RWY 16R-34L.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

@ CAT E 800-2 1/2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 346 THRE: 329 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NC./AMDT NO./EFFECTIVE DATE:	SUP
JACKSON, MS	JACKSON-MEDGAR WILEY EVERS INTERNATIONAL	MHZ	VOR/DME OR TACAN RWY 34L, ORIG, 08/22/2013	AMDT NONE DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MHZ VORTAC	ZIKET/12.81 DME	168.83 / 12.81	2100
ENAKE/20.00 DME CW (IAF)	HUXAP/20.00 DME (NOPT)	20.00 DME ARC (MHZ LR-163)	3500
ZIPGI/20.00 DME CCW (IAF)	HUXAP/20.00 DME (NOPT)	20.00 DME ARC (MHZ LR-175)	3500
OBUJI/20.00 DME CW (IAF)	HUXAP/20.00 DME (NOPT)	20.00 DME ARC (MHZ LR-163)	3500
WUDVI/20.00 DME CCW (IAF)	HUXAP/20.00 DME (NOPT)	20.00 DME ARC (MHZ LR-175)	3500
HUXAP/20.00 DME (IF)	ZIKET/12.81 DME	348.83 / 7.19 (MHZ R-169)	2000

MISSED APPROACH

MAP: MHZ 7.84 DME FIX

CLIMBING RIGHT TURN TO 3000 ON HEADING 120 AND MHZ VORTAC R-134 TO RAKIN INT/MHZ 16.54 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 314.22 INBOUND.
FAS OBST: 659 AAO 321513N/0900129W
CHART MHZ R-094 AT ENAKE.
CHART MHZ R-274 AT ZIPGI.
CHART MHZ R-233 AT WUDVI.
CHART MHZ R-134 AT OBUJI.
ZIKET TO RW34R: 2.99/66.
CHART CIRCLING ICON

1. PT L SIDE OF COURSE 168.83 OUTBOUND 2100 FT WITHIN 15 MILES OF ZIKET (IAF)
2.
3. FAC 348.83 FAF ZIKET/12.81 DME DIST FAF TO MAP THLD 5.00
4. MIN. ALT ZIKET 2000
8. MSA FROM: MHZ VORTAC 3500

MAG VAR: 1W EPOCH YEAR:2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-34R	920	5500	574	920	5500	574	920	1 5/8	574	920	1 5/8	574	920	1 5/8	574
CIRCLING	920	1	574	920	1	574	920	1 1/2	574	960	2	614	1040	2 1/2	694

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAWKINS FIELD ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET; INCREASE S-34R CATS C/D/E VISIBILITY 1/8 MILE.
CHART NOTE: CIRCLING NA FOR CAT E SW OF RWY 16R-34L.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

@ CAT E 800-2 1/2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 346 THRE: 346	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
JACKSON, MS	AIRPORT NAME:	MHZ	VOR/DME OR TACAN RWY 34R, ORIG, 08/22/2013	AMDT NONE
	JACKSON-MEDGAR WILEY EVERS INTERNATIONAL			DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LBY VORTAC (IAF)	HAMOK/LBY 7.00 DME	023.99 / 7.00	2500
LIGIC/LBY 7.00 DME CCW (IAF)	HAMOK/LBY 7.00 DME	7.00 DME ARC	2500
HAMOK/LBY 7.00 DME (IF)	ZELLO/LBY 14.00 DME	023.99 / 7.00 (LBY R-024)	1600

MISSED APPROACH

MAP: MAGCS/LBY 17.29 DME

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 165 AND LBY VORTAC R-045 TO CATTI INT/LBY 16.94 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 225.01 INBOUND.
CHART FAS OBST: 389 TREE 314057N/0891201W
CHART LBY R-083 AT LIGIC.
FAC CROSSES MID POINT OF RWY 13/31

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HAMOK/LBY 7.00 DME
3. FAC 023.99 FAF ZELLO/LBY 14.00 DME DIST FAF TO MAP ____ THLD ____
4. MIN. ALT HAMOK 2500, ZELLO 1600, ZOVON/LBY 16.20 DME 940
8. MSA FROM: LBY VORTAC 2400

MAG VAR: 5E EPOCH YEAR:1965

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	720	1	482	740	1	502	740	1 1/2	502	800	2	562			

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HATTIESBURG-LAUREL RGNL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT LBY VORTAC ON V543 AND V455 SOUTHBOUND.

CITY AND STATE	ELEVATION: 238 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
LAUREL, MS	HESLER-NOBLE FIELD	LBY	VOR/DME-A, AMDT 5, 8/22/2013	AMDT 4
				DATE 01/15/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 22 AUGUST 2013

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 326 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP / AMDT / DATE
MADISON, MS	**BRUCE CAMPBELL FIELD**	**JAN**	**VOR-A, AMDT 10, 06/03/2010**	**VOR OR GPS-A / 9 / 07/07/2005**

FAA FORM 8260-5 / April 2006 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MHZ VORTAC	ZESMO/MHZ 6.00 DME	346.75 / 6.00	2300
FANEN INT/MHZ 12.00 DME CW (IAF)	HUVUM/MHZ 12.00 DME	12.00 DME ARC	2300
BOOSI INT/MHZ 25.00 DME (IAF)	HUVUM/MHZ 12.00 DME	211.75 / 3.71 (HDG) & 166.75 / 10.24 (MHZ R-347)	2300
HUVUM/MHZ 12.00 DME (IF)	ZESMO/MHZ 6.00 DME	166.75 / 6.00 (MHZ R-347)	2300

MISSED APPROACH

MAP: MHZ 0.67 DME FIX

CLIMBING LEFT TURN TO 3000 ON MHZ VORTAC R-134 TO RAKIN INT/MHZ 16.54 DME.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 314.35 INBOUND.
CHART FAS OBST: 550 TANK 322758N/0900640W
CHART (CFDRQ) AT INTERSECTION OF BOOSI DR LEG AND INTERMEDIATE COURSE.
CHART MHZ R-094 AT FANEN.
ZESMO TO RW17: 3.42/38
CHART CIRCLING ICON

1. PT R SIDE OF COURSE 346.75 OUTBOUND 2300 FT WITHIN 10 MILES OF ZESMO (IAF)
2.
3. FAC 166.75 FAF ZESMO/MHZ 6.00 DME DIST FAF TO MAP THLD 5.33
4. MIN. ALT HUVUM 2300, ZESMO 2300
8. MSA FROM: MHZ VORTAC 3500

MAG VAR: 1W EPOCH YEAR:2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY ====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-17	800	1	475	800	1	475	800	1 3/8	475	800	1 3/8	475			
CIRCLING	840	1	515	860	1	535	980	1 3/4	655	980	2	655			

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JACKSON-EVERS INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. INCREASE CIRCLING VISIBILITY CAT C/D 1/4 MILE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 325 THRE: 325	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MADISON, MS	AIRPORT NAME: BRUCE CAMPBELL FIELD	MHZ	VOR/DME RWY 17, ORIG, 8/22/2013	AMDT NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 22 AUGUST 2013

QUALITY CHECKED

CITY AND STATE	ELEVATION: 326 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR/DME OR GPS-B
MADISON, MS	**BRUCE CAMPBELL FIELD**	**JAN**	**VOR/DME-B, AMDT 5, 06/03/2010**	AMDT 4
				DATE 07/07/2005

FAA FORM 8260-5 / April 2006 (computer generated)

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ACZUP (IF/IAF)	MRVIN (FB)	011.25 / 7.09	1800
MRVIN (FAF)	ZOROT/2.30 NM TO RW01 (FB)	011.25 / 2.28	
ZOROT/2.30 NM TO RW01	RW01 (MAP) (FO)	011.25 / 2.30	
RW01 (MAP)	800 MSL	011.25	800
800 MSL	PAULD (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW01

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 DIRECT PAULD AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, LT, 039.86 INBOUND.
CHART FAS OBST: 519 TREE 321744N/0884621W
682 AAO 321434N/0884517W
CHART: ASR/PAR.
DISTANCE TO THLD FROM 200 HATH: 0.46 NM.
CHART VDP AT 1.37 MILES TO RW01*
*LNAV ONLY.
WAAS CHANNEL # 86500
REFERENCE PATH ID: W01A
CHART CIRCLING ICON.
LTP HAE: 59.6 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S ACZUP, RT, 011.25 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
3. FAC: 011.26 FAF: MRVIN DIST FAF TO MAP: 4.58 THLD: 4.58
4. MIN. ALT: ACZUP 2700, MRVIN 1800, ZOROT/2.30 NM TO RW01 1060*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: MRVIN 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.7 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 2W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY ====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	487	2400	200	487	2400	200	487	2400	200	487	2400	200	487	2400	200
LNAV/VNAV DA	707	4700	420	707	4700	420	707	4700	420	707	4700	420	707	4700	420
LNAV MDA	780	2400	493	780	2400	493	780	5000	493	780	5000	493	780	5000	493
CIRCLING	860	1	562	880	1	582	960	1 3/4	662	1120	2 3/4	822	1120	3	822

NOTES:
CHART NOTE: CIRCLING TO RWY 22 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8C (18F) OR ABOVE 54C (130F).
CHART NOTE: CIRCLING NA SE OF RWYS 1 AND 22.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

@ CAT D 900-2 3/4, CAT E 900-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 298 THRE: 287	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: KEY FIELD		RNAV (GPS) RWY 1, AMDT 3 22 AUGUST 2013	AMDT: 2A DATED 01/12/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HATTIESBURG-LAUREL RGNL ALTIMETER SETTING AND INCREASE ALL DA 138 FEET AND ALL MDA 140 FEET, LPV ALL CATS VISIBILITY TO RVR 3100, LNAV/VNAV ALL CATS AND LNAV CATS C, D, AND E VISIBLITIES TO 1 3/8 MILE, AND CIRCLING CAT C VISIBLITY 1/2 MILE AND CAT D VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV CAT E TO RVR 4000, LNAV/VNAV CAT E VISIBILITY TO RVR 6000, AND LNAV CAT E VISIBILITY TO 1 3/8 MILE.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING HATTIESBURG-LAUREL RGNL ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000, LNAV/VNAV CAT E VISIBILITY TO 1 5/8 MILE, AND LNAV CAT E VISIBILITY TO 1 3/4 MILE.
CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 250 KTS UNTIL TURN COMPLETION.
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING HATTIESBURG-LAUREL RGNL ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	281/30 CW 101/30 (NOPT)	ACZUP (IF/IAF) (FB)	2700
2.	101/30 CW 281/30	ACZUP (IF/IAF) (FO)	2700

CITY AND STATE	ELEVATION: 298 THRE: 287	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: KEY FIELD	RNAV	RNAV (GPS) RWY 1, AMDT 3 22 AUGUST 2013	AMDT: 2A DATED: 01/12/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMEI
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	321913.4485N
LTP/FTP LONGITUDE	0884521.1845W
LTP/FTP ELLIPSOIDAL HEIGHT	+00596
FPAP LATITUDE	322041.5650N
FPAP LONGITUDE	0884504.2425W
THRESHOLD CROSSING HEIGHT (TCH)	00054.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	07909CC4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00874
FPAP ORTHOMETRIC HEIGHT	+00874

CITY AND STATE	ELEVATION: 298 THRE: 287	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: KEY FIELD	RNAV	RNAV (GPS) RWY 1, AMDT 3 22 AUGUST 2013	AMDT: 2A
				DATED: 01/12/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ACZUP K70    C     N32074121W088473396                    W0015    NAR           ACZUP
        SUSAEAENRT   MRVIN K70    C     N32144166W088461338                    W0015    NAR           MRVIN
        SUSAEAENRT   PAULD K70    C   L N32123955W088582834                    W0014    NAR           PAULD
        SUSAEAENRT   ZOROT K70    W     N32165697W088454741                    W0015    NAR           ZOROT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMEIK7AMEI     0     100YHN32195740W088450670W002000298         1800018000C    MNAR    KEY FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMEIK7FR01   AACZUP 010ACZUPK7EA0EE AR   HF                    01130070    + 02700     18000                A JS
        SUSAP KMEIK7FR01   R       010ACZUPK7EA0E  I    IF                                + 02700     18000                A JS
        SUSAP KMEIK7FR01   R       020MRVINK7EA1E  F 051TF                    01130071    + 01800                          A JS
        SUSAP KMEIK7FR01   R       020MRVINK7EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KMEIK7FR01   R       021ZOROTK7EA0E S  031TF                    01130023    V 0106001074        -300         A JS
        SUSAP KMEIK7FR01   R       030RW01 K7PG0GY M 031TF                    01130023      00341             -300         A JS
        SUSAP KMEIK7FR01   R       040          0  M     CA                   0113        + 00800                          A JS
        SUSAP KMEIK7FR01   R       050PAULDK7EA0EY  L   DF                              + 03000          250             A-JS
        SUSAP KMEIK7FR01   R       060PAULDK7EA0EE  L   HM                   03990070    + 03000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RJNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMEIK7GRW01    0100030113 N32191345W088452118+0100     +00596002870990551501

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMEIK7PR01   RW01 001 0000W01A0N3219134485W08845211845+005960300N3220415650W088450424251067500000000547F40035007909CC4
        SUSAP KMEIK7PR01   RW01 002E      +00874+00874LPV       86500
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CITY AND STATE	ELEVATION: 298 THRE: 287 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MERIDIAN, MS	**KEY FIELD**	**RNAV**	**RNAV (GPS) RWY 1, AMDT 3** 22 AUGUST 2013	AMDT: **2A**
				DATED: **01/12/2012**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ACZUP	ACZUP	010	IAF	HF	R	FO		011.3(009.3T)	007.0	AA 02700	
		ACZUP	010	FACF	IF		FB				AA 02700	
		MRVIN	020	FAF	TF		FB	0.5	011.3(009.3T)	007.1	AA 01800	
		ZOROT	021	SDF	TF		FB	0.3	011.3(009.3T)	002.3	AA 01060 GS 01074	
		RW01	030	MAP	TF		FO	0.3	011.3(009.3T)	002.3	AT 00341	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		011.3(009.3T)		AA 00800	
	PAULD	050		DF	L	FO				AA 03000	AB 250
	PAULD	060		HM	L	FO		039.9(037.9T)	007.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ACZUP	N320741.21	W0884733.96	N3207.687	W08847.566
	MRVIN	N321441.66	W0884613.38	N3214.694	W08846.223
	PAULD	N321239.55	W0885828.34	N3212.659	W08858.472
	ZOROT	N321656.97	W0884547.41	N3216.950	W08845.790
	RW01	N321913.45	W0884521.18	N3219.224	W08845.353

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01	00287	55



CITY AND STATE	ELEVATION: 298 THRE: 287	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: KEY FIELD	RNAV	RNAV (GPS) RWY 1, AMDT 3 22 AUGUST 2013	AMDT: 2A DATED: 01/12/2012

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WEYKU (IF/IAF)	HOXAN (FB)	045.89 / 8.00	2000
HOXAN (FAF)	JAVOP/2.60 NM TO RW04 (FB)	045.95 / 2.63	
JAVOP/2.60 NM TO RW04	RW04 (MAP) (FO)	045.95 / 2.60	
RW04 (MAP)	1300 MSL	045.95	1300
1300 MSL	PAULD (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3000 DIRECT PAULD AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW WEYKU, RT, 045.89 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
3. FAC: 045.95 FAF: HOXAN DIST FAF TO MAP: 5.23 THLD: 5.23
4. MIN. ALT: WEYKU 3200, HOXAN 2000, JAVOP/2.60 NM TO RW04 1160*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: HOXAN 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD SW, LT, 039.86 INBOUND.
CHART FAS OBST: 536 TREE 321916N/0884627W
CHART: 575 TREE 321810N/0884757W
CHART: ASR/PAR.
DISTANCE TO THLD FROM 281 HATH: 0.74 NM.
CHART VDP AT 1.40 MILES TO RW04*
*LNAV ONLY.
WAAS CHANNEL # 42533
REFERENCE PATH ID: W04A
CHART CIRCLING ICON.
LTP HAE: 60.5 M

MAG VAR: 2W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	571	7/8	281	571	7/8	281	571	7/8	281	571	7/8	281			
LNAV/VNAV DA	844	1 7/8	554	844	1 7/8	554	844	1 7/8	554	844	1 7/8	554			
LNAV MDA	800	1	510	800	1	510	800	1 3/8	510	800	1 3/8	510			
CIRCLING	860	1	562	880	1	582	960	1 3/4	662	1120	2 3/4	822			

NOTES:
CHART NOTE: CIRCLING TO RWY 22 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8C (18F) OR ABOVE 54C (130F).
CHART NOTE: CIRCLING NA SE OF RWYS 1 AND 22.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

@ CAT D 900-2 3/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 298 THRE: 290 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MERIDIAN, MS	KEY FIELD	RNAV	RNAV (GPS) RWY 4, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A DATED 01/12/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HATTIESBURG-LAUREL RGNL ALTIMETER SETTING AND INCREASE ALL DA 138 FEET AND ALL MDA 140 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITIES 1/2 MILE, LNAV CATS C/D VISIBILITY 1/2 MILE, AND CIRCLING CAT C VISIBLITY 1/2 MILE AND CAT D VISIBLITIY 1/4 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: BARO-VNAV AND VDP NA WITH HATTIESBURG-LAUREL RGNL ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	316/30 CW 136/30 (NOPT)	WEYKU (IF/IAF) (FB)	3200
2.	136/30 CW 316/30	WEYKU (IF/IAF) (FO)	3200

CITY AND STATE	ELEVATION: 298 THRE: 290	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: KEY FIELD	RNAV	RNAV (GPS) RWY 4, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A DATED: 01/12/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMEI
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	321951.5670N
LTP/FTP LONGITUDE	0884510.2765W
LTP/FTP ELLIPSOIDAL HEIGHT	+00605
FPAP LATITUDE	322055.7960N
FPAP LONGITUDE	0884357.2275W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1352
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	72BC347E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00883
FPAP ORTHOMETRIC HEIGHT	+00883

CITY AND STATE	ELEVATION: 298 THRE: 290	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: KEY FIELD	RNAV	RNAV (GPS) RWY 4, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A DATED: 01/12/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   HOXAN K70    W     N32160529W088492729                        W0015     NAR           HOXAN
        SUSAEAENRT   JAVOP K70    W     N32175908W088471811                        W0015     NAR           JAVOP
        SUSAEAENRT   PAULD K70    C   L N32123955W088582834                        W0014     NAR           PAULD
        SUSAEAENRT   WEYKU K70    W     N32101885W088555979                        W0014     NAR           WEYKU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMEIK7AMEI     0     100YHN32195740W088450670W002000298          1800018000C    MNAR    KEY FIELD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMEIK7FR04   AWEYKU 010WEYKUK7EA0EE AR   HF                    04590070    + 03200     18000                A JS
        SUSAP KMEIK7FR04   R       010WEYKUK7EA0E  I    IF                                + 03200     18000                A JS
        SUSAP KMEIK7FR04   R       020HOXANK7EA1E  F 051TF                    04590080    + 02000                          A JS
        SUSAP KMEIK7FR04   R       020HOXANK7EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KMEIK7FR04   R       021JAVOPK7EA0E S  031TF                    04600026    V 0116001163        -300         A JS
        SUSAP KMEIK7FR04   R       030RW04 K7PG0GY M 031TF                    04600026      00335             -300         A JS
        SUSAP KMEIK7FR04   R       040          0  M     CA                   0460        + 01300                          A JS
        SUSAP KMEIK7FR04   R       050PAULDK7EA0EY  L   DF                              + 03000                          A JS
        SUSAP KMEIK7FR04   R       060PAULDK7EA0EE  L   HM                    03990070    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMEIK7GRW04     0045990460 N32195157W088451028+0200     +00605002900000045150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMEIK7PR04   RW04 001 0000W04A0N3219515670W08845102765+006050300N3220557960W088435722751067513520004 50F40050072BC347E
        SUSAP KMEIK7PR04   RW04 002E       +00883+00883LPV       42533
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CITY AND STATE	ELEVATION: 298 THRE: 290	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: KEY FIELD	RNAV	RNAV (GPS) RWY 4, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A DATED: 01/12/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	WEYKU	WEYKU	010	IAF	HF	R	FO		045.9(043.9T)	007.0	AA 03200	
		WEYKU	010	FACF	IF		FB				AA 03200	
		HOXAN	020	FAF	TF		FB	0.5	045.9(043.9T)	008.0	AA 02000	
		JAVOP	021	SDF	TF		FB	0.3	046.0(044.0T)	002.6	AA 01160 GS 01163	
		RW04	030	MAP	TF		FO	0.3	046.0(044.0T)	002.6	AT 00335	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		046.0(044.0T)		AA 01300	
	PAULD	050		DF	L	FO				AA 03000	
	PAULD	060		HM	L	FO		039.9(037.9T)	007.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HOXAN	N321605.29	W0884927.29	N3216.088	W08849.455
	JAVOP	N321759.08	W0884718.11	N3217.985	W08847.302
	PAULD	N321239.55	W0885828.34	N3212.659	W08858.472
	WEYKU	N321018.85	W0885559.79	N3210.314	W08855.997
	RW04	N321951.57	W0884510.28	N3219.860	W08845.171

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	00290	45

CITY AND STATE	ELEVATION: 298 THRE: 290 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MERIDIAN, MS	**KEY FIELD**	**RNAV**	**RNAV (GPS) RWY 4, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG-A** DATED: **01/12/2012**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
OVIVE (IF/IAF)	GOZAX (FB)	191.30 / 7.00	1800
GOZAX (FAF)	HOLUN/2.70 NM TO RW19 (FB)	191.29 / 1.88	
HOLUN/2.70 NM TO RW19	RW19 (MAP) (FO)	191.29 / 2.70	
RW19 (MAP)	900 MSL	191.29	900
900 MSL	PAULD (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW19

CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3000 DIRECT PAULD AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N OVIVE, RT, 191.30 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
3. FAC: 191.29 FAF: GOZAX DIST FAF TO MAP: 4.56 THLD: 4.56
4. MIN. ALT: OVIVE 2700, GOZAX 1800, HOLUN/2.70 NM TO RW19 1200*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: GOZAX 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 53.5 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD SW, LT, 039.86 INBOUND.
CHART FAS OBST: 525 TOWER 322209N/0884425W
CHART: ASR/PAR.
DISTANCE TO THLD FROM 358 HATH: 0.95 NM.
CHART VDP AT 1.38 MILES TO RW19*
*LNAV ONLY.
WAAS CHANNEL # 61003
REFERENCE PATH ID: W19A
CHART CIRCLING ICON
LTP HAE: 61.4 M

MAG VAR: 2W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	651	4000	358	651	4000	358	651	4000	358	651	4000	358	651	4000	358
LNAV/VNAV DA	745	5300	452	745	5300	452	745	5300	452	745	5300	452	745	5300	452
LNAV MDA	780	4000	487	780	4000	487	780	5000	487	780	5000	487	780	5000	487
CIRCLING	860	1	562	880	1	582	960	1 3/4	662	1120	2 3/4	822	1120	3	822

NOTES:
CHART NOTE: CIRCLING TO RWY 22 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8C (18F) OR ABOVE 54C (130F).
CHART NOTE: CIRCLING NA SE OF RWYS 1 AND 22.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

@ CAT D 900-2 3/4, CAT E 900-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 298 THRE: 293	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: KEY FIELD	RNAV	RNAV (GPS) RWY 19, AMDT 1 22 AUGUST 2013	AMDT: ORIG-B
				DATED 01/12/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HATTIESBURG-LAUREL RGNL ALTIMETER SETTING AND INCREASE ALL DA 138 FEET AND ALL MDA 140 FEET, INCREASE LPV ALL CATS VISIBILITY TO 1 1/4 MILE, LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2 MILE, LNAV CATS C, D, AND E VISIBILITY TO 1 3/8 MILE, AND CIRCLING CAT C VISIBLITY 1/2 MILE AND CAT D VISBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV CAT E TO RVR 5500, LNAV/VNAV CAT E VISIBILITY TO 1 1/2 MILE, AND LNAV CAT E VISIBILITY TO 1 3/8 MILE.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING HATTIESBURG-LAUREL RGNL ALTIMETER SETTING, INCREASE LPV CAT E VISIBILITY TO 1 3/8 MILE, LNAV/VNAV CAT E VISIBILITY TO 1 3/4 MILE, AND LNAV CAT E VISIBILITY TO 1 3/4 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING HATTIESBURG-LAUREL RGNL ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	101/30 CW 281/30 (NOPT)	OVIVE (IF/IAF) (FB)	2700
2.	281/30 CW 101/30	OVIVE (IF/IAF) (FO)	2700

CITY AND STATE	ELEVATION: 298 THRE: 293	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: KEY FIELD	RNAV	RNAV (GPS) RWY 19, AMDT 1 22 AUGUST 2013	AMDT: ORIG-B
				DATED: 01/12/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMEI
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	322031.8000N
LTP/FTP LONGITUDE	0884506.1105W
LTP/FTP ELLIPSOIDAL HEIGHT	+00614
FPAP LATITUDE	321903.6860N
FPAP LONGITUDE	0884523.0655W
THRESHOLD CROSSING HEIGHT (TCH)	00053.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	A08D26F2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00893
FPAP ORTHOMETRIC HEIGHT	+00893

CITY AND STATE	ELEVATION: 298 THRE: 293 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MERIDIAN, MS	KEY FIELD	RNAV	RNAV (GPS) RWY 19, AMDT 1 22 AUGUST 2013	AMDT: ORIG-B DATED: 01/12/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   GOZAX K70    C      N32250264W088441394                    W0016     NAR           GOZAX
          SUSAEAENRT   HOLUN K70    C      N32231201W088443526                    W0016     NAR           HOLUN
          SUSAEAENRT   OVIVE K70    C      N32315797W088425376                    W0016     NAR           OVIVE
          SUSAEAENRT   PAULD K70    C    L N32123955W088582834                    W0014     NAR           PAULD

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMEIK7AMEI     0     100YHN32195740W088450670W002000298          18000018000C    MNAR    KEY FIELD

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMEIK7FR19   AOVIVE 010OVIVEK7EA0EE AR   HF                     19130070    + 02700     18000                A JS
          SUSAP KMEIK7FR19   R       010OVIVEK7EA0E  I    IF                                 + 02700     18000                A JS
          SUSAP KMEIK7FR19   R       020GOZAXK7EA1E  F 051TF                     19130070    + 01800                          A JS
          SUSAP KMEIK7FR19   R       020GOZAXK7EA2WALPV       ALNAV/VNAV ALNAV                                               JS
          SUSAP KMEIK7FR19   R       021HOLUNK7EA0E S  031TF                     19130019    V 0120001206        -300         A JS
          SUSAP KMEIK7FR19   R       030RW19 K7PG0GY M 031TF                     19130027      00346             -300         A JS
          SUSAP KMEIK7FR19   R       040         0  M     CA                     1913        + 00900                          A JS
          SUSAP KMEIK7FR19   R       050PAULDK7EA0EY  R   DF                                 + 03000                          A JS
          SUSAP KMEIK7FR19   R       060PAULDK7EA0EE  L   HM                     03990070    + 03000                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMEIK7GRW19    0100031913 N32203180W088450611-0100    +0061400293099054150I

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMEIK7PR19   RW19 001 0000W19A0N3220318000W08845061105+006140300N321903686OW088452306551067500000005 35F400500A08D26F2
          SUSAP KMEIK7PR19   RW19 002E      +00893+00893LPV       61003
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CITY AND STATE	ELEVATION: 298 THRE: 293	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: KEY FIELD	RNAV	RNAV (GPS) RWY 19, AMDT 1 22 AUGUST 2013	AMDT: ORIG-B DATED: 01/12/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	OVIVE	OVIVE	010	IAF	HF	R	FO		191.3(189.3T)	007.0	AA 02700	
		OVIVE	010	FACF	IF		FB				AA 02700	
		GOZAX	020	FAF	TF		FB	0.5	191.3(189.3T)	007.0	AA 01800	
		HOLUN	021	SDF	TF		FB	0.3	191.3(189.3T)	001.9	AA 01200 GS 01206	
		RW19	030	MAP	TF		FO	0.3	191.3(189.3T)	002.7	AT 00346	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		191.3(189.3T)		AA 00900	
	PAULD	050		DF	R	FO				AA 03000	
	PAULD	060		HM	L	FO		039.9(037.9T)	007.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GOZAX	N322502.64	W0884413.94	N3225.044	W08844.232
	HOLUN	N322312.01	W0884435.26	N3223.200	W08844.588
	OVIVE	N323157.97	W0884253.76	N3231.966	W08842.896
	PAULD	N321239.55	W0885828.34	N3212.659	W08858.472
	RW19	N322031.80	W0884506.11	N3220.530	W08845.102

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19	00293	54

CITY AND STATE	ELEVATION: **298** THRE: **293**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: **KEY FIELD**	**RNAV**	**RNAV (GPS) RWY 19, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG-B**
				DATED: **01/12/2012**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WOXET (IF/IAF)	CUGOS (FB)	226.08 / 6.67	1600
CUGOS (FAF)	RW22 (MAP) (FO)	226.03 / 3.93	
RW22 (MAP)	1000 MSL	226.03	1000
1000 MSL	PAULD (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW22

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT PAULD AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE WOXET, LT, 226.08 INBOUND, 3300 FT. IN LIEU OF PT (IAF)
3. FAC: 226.03 FAF: CUGOS DIST FAF TO MAP: 3.93 THLD: 3.93
4. MIN. ALT: WOXET 3300, CUGOS 1600
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1600 GS ALT AT: CUGOS 1600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:

HOLD SW, LT, 039.86 INBOUND.
FAS OBST: 679 AAO 322328N/0884222W
CHART: ASR/PAR.
DISTANCE TO THLD FROM 264 HATH: 0.66 NM.
WAAS CHANNEL # 48833
REFERENCE PATH ID: W22A
CHART CIRCLING ICON
CHART MERIDIAN NAS
LTP HAE: 62.8 M

MAG VAR: 2W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY ==>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	561	1	264	561	1	264	561	1	264	561	1	264			
LNAV/VNAV DA	821	1 3/4	524	821	1 3/4	524	821	1 3/4	524	821	1 3/4	524			
LNAV MDA	940	1	643	940	1	643	940	1 7/8	643	940	1 7/8	643			
CIRCLING	940	1	642	940	1	642	960	2	662	1120	2 3/4	822			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING HATTIESBURG-LAUREL RGNL ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8C (18F) OR ABOVE 54C (130F).
CHART NOTE: CIRCLING NA SE OF RWYS 1 AND 22.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

@ CAT D 900-2 3/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 298 THRE: 297	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: KEY FIELD	RNAV	RNAV (GPS) RWY 22, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A
				DATED 01/12/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HATTIESBURG-LAUREL RGNL ALTIMETER SETTING AND INCREASE ALL DA 138 FEET AND ALL MDA 140 FEET; INCREASE LPV ALL CATS VISIBILITY 3/8 MILE, LNAV/VNAV ALL CATS VISIBILITY 3/4 MILE, LNAV CAT B 1/4 MILE, CAT C AND D VISIBILITY 5/8 MILE, AND CIRCLING CAT C VISIBILITY 1/2 MILE AND CAT B AND D VISIBILITY 1/4 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: STRAIGHT-IN/CIRCLING RWY 22 NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	136/30 CW 316/30 (NOPT)	WOXET (IF/IAF) (FB)	3300
2.	316/30 CW 136/30	WOXET (IF/IAF) (FO)	3300

CITY AND STATE	ELEVATION: 298 THRE: 297	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: KEY FIELD	RNAV	RNAV (GPS) RWY 22, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A
				DATED: 01/12/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMEI
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	322024.3090N
LTP/FTP LONGITUDE	0884433.0510W
LTP/FTP ELLIPSOIDAL HEIGHT	+00628
FPAP LATITUDE	321920.0790N
FPAP LONGITUDE	0884546.0926W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1352
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	CA69C0F0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00906
FPAP ORTHOMETRIC HEIGHT	+00906

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CUGOS K70    W     N32231411W088411975                        W0016     NAR           CUGOS
        SUSAEAENRT   PAULD K70    C   L N32123955W088582834                        W0014     NAR           PAULD
        SUSAEAENRT   WOXET K70    W     N32280244W088355084                        W0017     NAR           WOXET

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMEIK7AMEI     0     100YHN32195740W088450670W002000298          1800018000C    MNAR    KEY FIELD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMEIK7FR22   AWOXET 010WOXETK7EA0EE AL   HF                      22610070    + 03300     18000                A JS
        SUSAP KMEIK7FR22   R      010WOXETK7EA0E  I    IF                                  + 03300     18000                A JS
        SUSAP KMEIK7FR22   R      020CUGOSK7EA1E  F 051TF                      22610067    + 01600                          A JS
        SUSAP KMEIK7FR22   R      020CUGOSK7EA2WALPV       ALNAV/VNAV ALNAV                                                  JS
        SUSAP KMEIK7FR22   R      030RW22 K7PG0GY M 031TF                      22600039      00349           -300           A JS
        SUSAP KMEIK7FR22   R      040        0  M     CA                      2260        + 01000                          A JS
        SUSAP KMEIK7FR22   R      050PAULDK7EA0EY  R   DF                              + 03000                          A JS
        SUSAP KMEIK7FR22   R      060PAULDK7EA0EE  L   HM                      03990070    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMEIK7GRW22    0045992260 N32202431W088443305-0200    +0062800297000052150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMEIK7PR22   RW22 001 0000W22A0N3220243090W08844330510+006280300N3219200790W088454609251067513520005 20F400500CA69C0F0
        SUSAP KMEIK7PR22   RW22 002E      +00906+00906LPV       48833
```

CITY AND STATE	ELEVATION: 298 THRE: 297	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: **KEY FIELD**	**RNAV**	**RNAV (GPS) RWY 22, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG-A**
				DATED: **01/12/2012**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	WOXET	WOXET	010	IAF	HF	L	FO		226.1(224.1T)	007.0	AA 03300	
		WOXET	010	FACF	IF		FB				AA 03300	
		CUGOS	020	FAF	TF		FB	0.5	226.1(224.1T)	006.7	AA 01600	
		RW22	030	MAP	TF		FO	0.3	226.0(224.0T)	003.9	AT 00349	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		226.0(224.0T)		AA 01000	
	PAULD	050		DF	R	FO				AA 03000	
	PAULD	060		HM	L	FO		039.9(037.9T)	007.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUGOS	N322314.11	W0884119.75	N3223.235	W08841.329
	PAULD	N321239.55	W0885828.34	N3212.659	W08858.472
	WOXET	N322802.44	W0883550.84	N3228.041	W08835.847
	RW22	N322024.31	W0884433.05	N3220.405	W08844.551

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	00297	52

CITY AND STATE	ELEVATION: 298 THRE: 297	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MERIDIAN, MS	AIRPORT NAME: KEY FIELD	RNAV	RNAV (GPS) RWY 22, AMDT 1 22 AUGUST 2013	AMDT: ORIG-A DATED: 01/12/2012

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GEBEY (IF/IAF)	FAMIR (FB)	249.93 / 5.10	4300
FAMIR (FAF)	YOWQO/2.00 NM TO RW25 (FB)	249.84 / 3.27	
YOWQO/2.00 NM TO RW25	RW25 (MAP) (FO)	249.84 / 2.00	
RW25 (MAP)	3200 MSL	249.84	3200
3200 MSL	NEPFY (FO)		4800

MISSED APPROACH

LP: RW25
LNAV: RW25

CLIMB TO 3200 THEN CLIMBING RIGHT TURN TO 4800 DIRECT NEPFY AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E GEBEY, RT, 249.93 INBOUND, 4800 FT. IN LIEU OF PT (IAF)
3. FAC: 249.84 FAF: FAMIR DIST FAF TO MAP: 5.27 THLD: 5.27
4. MIN. ALT: GEBEY 4800, FAMIR 4300, YOWQO/2.00 NM TO RW25 3240
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 050.21 INBOUND.
CHART FAS OBST: 2705 TREES 464757N/1024718W
CHART FAS OBST: 2771 TREES 464745N/1024500W
WAAS CHANNEL # 82534
REFERENCE PATH ID: W25A
FAMIR TO RW25: 3.00/28.
CHART CIRCLING ICON
LTP HAE: 772.8 M

MAG VAR: 10E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	2980	1	388	2980	1	388	2980	1 1/8	388	2980	1 1/8	388			
LNAV MDA	3060	1	468	3060	1	468	3060	1 3/8	468	3060	1 3/8	468			
CIRCLING	3080	1	488	3100	1	508	3120	1 1/2	528	3220	2	628			

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BOWMAN ALTIMETER SETTING AND INCREASE ALL MDA 160 FT AND VISIBILITY CATS C AND D 1/2 MILE.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: RWY 25 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CITY AND STATE	ELEVATION: 2592 THRE: 2592	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DICKINSON, ND	AIRPORT NAME: DICKINSON - THEODORE ROOSEVELT RGNL	RNAV	RNAV (GPS) RWY 25, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TAA

	FROM	TO	ALT
1.	160/30 CW 340/30 (NOPT)	GEBEY (IF/IAF) (FB)	4800
2.	340/30 CW 160/30	340/20 CW 160/20	5000
	340/20 CW 160/20	GEBEY (IF/IAF) (FO)	4800

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 2592 THRE: 2592	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DICKINSON, ND	AIRPORT NAME: DICKINSON - THEODORE ROOSEVELT RGNL	RNAV	RNAV (GPS) RWY 25, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDIK
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	464754.7500N
LTP/FTP LONGITUDE	1024735.5405W
LTP/FTP ELLIPSOIDAL HEIGHT	+07728
FPAP LATITUDE	464738.8830N
FPAP LONGITUDE	1024943.1510W
THRESHOLD CROSSING HEIGHT (TCH)	00028.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1320
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	8F3B2159

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+07900
FPAP ORTHOMETRIC HEIGHT	+07900

QUALITY 2 CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   FAMIR K30    W     N46485078W102400219                    E0077     NAR          FAMIR
         SUSAEAENRT   GEBEY K30    W     N46494450W102324352                    E0076     NAR          GEBEY
         SUSAEAENRT   NEPFY K30    W     N46553130W103025181                    E0080     NAR          NEPFY
         SUSAEAENRT   YOWQO K30    W     N46481606W102444364                    E0078     NAR          YOWQO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KDIKK3ADIK     0     063YHN46475040W102480670E010002592          1800018000C    MNAR    DICKINSON - THEODORE ROOSEVELT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KDIKK3FR25   AGEBEY 010GEBEYK3EA0EE AR   HF                    24990050    + 04800     18000                A JS
         SUSAP KDIKK3FR25   R      010GEBEYK3EA0E  I    IF                                + 04800     18000                A JS
         SUSAP KDIKK3FR25   R      020FAMIRK3EA1E  F 051TF                    24990051    + 04300                          A JS
         SUSAP KDIKK3FR25   R      020FAMIRK3EA2WALP        N          ALNAV                                                JS
         SUSAP KDIKK3FR25   R      021YOWQOK3EA0E S  031TF                    24980033    V 0324003257        -300         A JS
         SUSAP KDIKK3FR25   R      030RW25 K3PG0GY M 031TF                    24980020      02620             -300         A JS
         SUSAP KDIKK3FR25   R      040          0  M     CA                   2498        + 03200                          A JS
         SUSAP KDIKK3FR25   R      050NEPFYK3EA0EY  R   DF                              + 04800                          A JS
         SUSAP KDIKK3FR25   R      060NEPFYK3EA0EE  R   HM                    05020050    + 04800                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KDIKK3GRW25    0046992498 N46475475W102473554-0400     +0772802592000028075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KDIKK3PR25   RW25 001 0000W25A0N4647547500W10247355405+077280300N4647388830W1024943151010675132000028 4F4000008F3B2159
         SUSAP KDIKK3PR25   RW25 002E      +07900+07900LP       82534
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 2592 THRE: 2592	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DICKINSON, ND	AIRPORT NAME: DICKINSON - THEODORE ROOSEVELT RGNL	RNAV	RNAV (GPS) RWY 25, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GEBEY	GEBEY	010	IAF	HF	R	FO		249.9(259.9T)	005.0	AA 04800	
		GEBEY	010	FACF	IF		FB				AA 04800	
		FAMIR	020	FAF	TF		FB	0.5	249.9(259.9T)	005.1	AA 04300	
		YOWQO	021	SDF	TF		FB	0.3	249.8(259.8T)	003.3	AA 03240 GS 03257	
		RW25	030	MAP	TF		FO	0.3	249.8(259.8T)	002.0	AT 02620	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		249.8(259.8T)		AA 03200	
	NEPFY	050		DF	R	FO				AA 04800	
	NEPFY	060		HM	R	FO		050.2(060.2T)	005.0	AA 04800	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FAMIR	N464850.78	W1024002.19	N4648.846	W10240.037
	GEBEY	N464944.50	W1023243.52	N4649.742	W10232.725
	NEPFY	N465531.30	W1030251.81	N4655.522	W10302.864
	YOWQO	N464816.06	W1024443.64	N4648.268	W10244.727
	RW25	N464754.75	W1024735.54	N4647.913	W10247.592

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25	02592	28

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 2592 THRE: 2592 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DICKINSON, ND	**DICKINSON - THEODORE ROOSEVELT RGNL**	**RNAV**	**RNAV (GPS) RWY 25, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SBJ VOR/DME	JOKMI (FB)	038.73 / 13.02	2500
JOKMI	ATUCA (FB)	119.02 / 9.08	2500
ATUCA (IAF)	YODUR (FB)	179.23 / 6.60	2000
YODUR (IF)	ZOMIM (FB)	249.25 / 6.09	1700
ZOMIM (FAF)	DUYAB/1.70 NM TO RW25 (FB)	249.18 / 3.31	
DUYAB/1.70 NM TO RW25	RW25 (MAP) (FO)	249.18 / 1.70	
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV: RW25
LP: RW25

CLIMB TO 2000 DIRECT CASUB AND ON TRACK 200.45 TO METRO AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT YODUR
3. FAC: 249.18 FAF: ZOMIM DIST FAF TO MAP: 5.01 THLD: 5.01
4. MIN. ALT: YODUR 2000, ZOMIM 1700, DUYAB/1.70 NM TO RW25 620
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW25 2700

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 281.68 INBOUND.
CHART FAS OBST: 209 TREE 403205N/0743352W
CHART FAS OBST: 154 TREE 403149N/0743512W
WAAS CHANNEL # 53424
REFERENCE PATH ID: W25A
ZOMIM TO RW25: 3.00/40.
CHART TRENTON ASOS.
LTP HAE: -13.1 M

MAG VAR: 13W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	480	1	415	480	1	415	480	1 1/8	415		NA				
LNAV MDA	520	1	455	520	1	455	520	1 3/8	455		NA				
CIRCLING	580	1	494	700	1	614	700	1 3/4	614		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: USE TRENTON ALTIMETER SETTING, WHEN NOT RECEIVED USE NEWARK ALTIMETER SETTING AND (SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 86 THRE: 65	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MANVILLE, NJ	AIRPORT NAME: CENTRAL JERSEY RGNL	RNAV	RNAV (GPS) RWY 25, AMDT 1C 22 AUGUST 2013	AMDT: 1B DATED 04/04/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW25 (MAP)	480 MSL	249.18	
480 MSL	CASUB (FB)		
CASUB	METRO (FO)	200.45 / 4.32	2000

NOTES, (CONT.):
INCREASE ALL MDA 20 FT AND LP CAT C VISIBILITY 1/8 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SBJ VOR/DME AIRWAY RADIALS 309 CW 117.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT JOKMI ON V252 NORTHBOUND.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 86 THRE: 65	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MANVILLE, NJ	AIRPORT NAME: CENTRAL JERSEY RGNL	RNAV	RNAV (GPS) RWY 25, AMDT 1C 22 AUGUST 2013	AMDT: 1B
				DATED: 04/04/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	47N
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	403136.2000N
LTP/FTP LONGITUDE	0743537.8300W
LTP/FTP ELLIPSOIDAL HEIGHT	-00131
FPAP LATITUDE	403046.4900N
FPAP LONGITUDE	0743714.8200W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1760
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	9324F087

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00198
FPAP ORTHOMETRIC HEIGHT	+00198

QUALITY CHECKED

CITY AND STATE	ELEVATION: 86 THRE: 65 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MANVILLE, NJ	CENTRAL JERSEY RGNL	RNAV	RNAV (GPS) RWY 25, AMDT 1C 22 AUGUST 2013	AMDT: 1B DATED: 04/04/2013

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD        SBJ   K6011290VDLA N40345896W074443046     N40345896W074443046W0100001891     NARSOLBERG

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ATUCA K60    W     N40441185W074253540                      W0128     NAR           ATUCA
        SUSAEAENRT   CASUB K60    W     N40293893W074392630                      W0126     NAR           CASUB
        SUSAEAENRT   DUYAB K60    W     N40323308W074334675                      W0127     NAR           DUYAB
        SUSAEAENRT   JOKMI K60    C   L N40464282W074370404                      W0127     NAR           JOKMI
        SUSAEAENRT   METRO K60    C   L N40252177W074401030                      W0126     NAR           METRO
        SUSAEAENRT   YODUR K60    W     N40374708W074233162                      W0128     NAR           YODUR
        SUSAEAENRT   ZOMIM K60    W     N40342371W074301042                      W0127     NAR           ZOMIM

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP 47N K6A47N     0     035YHN40312798W074355385W013000086          1800018000C     MNAR     CENTRAL JERSEY RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP 47N K6FR25   AJOKMI 010JOKMIK6EA0E       IF                                                18000                A JS
        SUSAP 47N K6FR25   AJOKMI 020ATUCAK6EA0E  A 020TF                    11900091     + 02500                                A JS
        SUSAP 47N K6FR25   AJOKMI 030YODURK6EA0EE B 010TF                    17920066     + 02000                                A JS
        SUSAP 47N K6FR25   ASBJ   010SBJ  K6D 0V      IF                                                18000                A JS
        SUSAP 47N K6FR25   ASBJ   020JOKMIK6EA0E    020TF                    03870130     + 02500                                A JS
        SUSAP 47N K6FR25   ASBJ   030ATUCAK6EA0E  A 020TF                    11900091     + 02500                                A JS
        SUSAP 47N K6FR25   ASBJ   040YODURK6EA0EE B 010TF                    17920066     + 02000                                A JS
        SUSAP 47N K6FR25   R      010YODURK6EA0E  I    IF                                + 02000     18000                      A JS
        SUSAP 47N K6FR25   R      020ZOMIMK6EA1E  F 051TF                    24930061     + 01700                RW25  K6PGA JS
        SUSAP 47N K6FR25   R      020ZOMIMK6EA2WALP        N          ALNAV                                                     JS
        SUSAP 47N K6FR25   R      021DUYABK6EA0E S  031TF                    24920033     V 0062000646        -300               A JS
        SUSAP 47N K6FR25   R      030RW25 K6PGOGY M 031TF                    24920017       00105             -300               A JS
        SUSAP 47N K6FR25   R      040          0  M     CA                   2492         + 00480                                A JS
        SUSAP 47N K6FR25   R      050CASUBK6EA0E       DF                                                                      A JS
        SUSAP 47N K6FR25   R      060METROK6EA0EY   010TF                    2005         + 02000                                A JS
        SUSAP 47N K6FR25   R      070METROK6EA0EE  R   HM                   28170040     + 02000                                A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
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CHECKED

CITY AND STATE	ELEVATION: 86 THRE: 65	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MANVILLE, NJ	AIRPORT NAME: **CENTRAL JERSEY RGNL**	**RNAV**	**RNAV (GPS) RWY 25, AMDT 1C** 22 AUGUST 2013	AMDT: **1B**
				DATED: **04/04/2013**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
        SUSAP 47N K6GRW25     0035102491 N40313620W074353783+0600     -00131000650265400 50R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 47N K6PR25    RW25 001 0000W25A0N4031362000W07435378300-001310300N4030464900W074371482001067517600004 00F4000009324F087
        SUSAP 47N K6PR25    RW25 002E       +00198+00198LP         53424

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 47N K6SRW25 K6PG                0    18018002725                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 86 THRE: 65	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MANVILLE, NJ	AIRPORT NAME: CENTRAL JERSEY RGNL	RNAV	RNAV (GPS) RWY 25, AMDT 1C 22 AUGUST 2013	AMDT: 1B
				DATED: 04/04/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	JOKMI	JOKMI	010		IF		FB					
	JOKMI	ATUCA	020	IAF	TF		FB	2.0	119.0(106.0T)	009.1	AA 02500	
	JOKMI	YODUR	030		TF		FB	1.0	179.2(166.2T)	006.6	AA 02000	
	SBJ	SBJ	010		IF		FB					
	SBJ	JOKMI	020		TF		FB	2.0	038.7(025.7T)	013.0	AA 02500	
	SBJ	ATUCA	030	IAF	TF		FB	2.0	119.0(106.0T)	009.1	AA 02500	
	SBJ	YODUR	040		TF		FB	1.0	179.2(166.2T)	006.6	AA 02000	
		YODUR	010	FACF	IF		FB				AA 02000	
		ZOMIM	020	FAF	TF		FB	0.5	249.3(236.3T)	006.1	AA 01700	
		DUYAB	021	SDF	TF		FB	0.3	249.2(236.2T)	003.3	AA 00620	GS 00646
		RW25	030	MAP	TF		FO	0.3	249.2(236.2T)	001.7	AT 00105	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		249.2(236.2T)		AA 00480	
	CASUB	050		DF		FB					
	METRO	060		TF		FO	1.0	200.5(187.5T)		AA 02000	
	METRO	070		HM	R	FO		281.7(268.7T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SBJ	N403458.96	W0744430.46	N4034.983	W07444.508
	ATUCA	N404411.85	W0742535.40	N4044.198	W07425.590
	CASUB	N402938.93	W0743926.30	N4029.649	W07439.438
	DUYAB	N403233.08	W0743346.75	N4032.551	W07433.779
	JOKMI	N404642.82	W0743704.04	N4046.714	W07437.067
	METRO	N402521.77	W0744010.30	N4025.363	W07440.172
	YODUR	N403747.08	W0742331.62	N4037.785	W07423.527
	ZOMIM	N403423.71	W0743010.42	N4034.395	W07430.174
	RW25	N403136.20	W0743537.83	N4031.603	W07435.631

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25	00065	40

QUALITY CHECKED

CITY AND STATE	ELEVATION: 86 THRE: 65	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MANVILLE, NJ	AIRPORT NAME: **CENTRAL JERSEY RGNL**	**RNAV**	**RNAV (GPS) RWY 25, AMDT 1C** 22 AUGUST 2013	AMDT: **1B**
				DATED: **04/04/2013**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CYN VORTAC	SOITE INT/CYN 2.59 DME	259.90 / 2.59	1900
SOITE INT/CYN 2.59 DME (IF/IAF)	ZOMEV INT	062.84 / 6.51 (I-MJX)	1600

MISSED APPROACH

ILS: DA
LOC: 4.61 MILES AFTER ZOMEV INT

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 1900 DIRECT CYN VORTAC THEN ON CYN VORTAC R-260 TO SOITE INT/CYN 2.59 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 177 TREE 395417N/0741940W
CHART R-5002 A/B/C/D/E.
CHART CIRCLING ICON.
CHART OM IN HALF-TONE.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W SOITE, LT, 079.90 INBOUND, 1900 FT. IN LIEU OF PT (IAF)
3. FAC: 062.84 FAF: ZOMEV INT DIST FAF TO MAP: 4.61 THLD: 4.61
4. MIN. ALT: SOITE 1900, ZOMEV 1600, XOQUR INT/CYN 6.84 DME 660*
5. DIST TO THLD FROM OM: 4.56 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1000
6. MIN GS INCPT: 1600 GS ALT AT: ZOMEV 1600 OM: 1599 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.8
8. MSA FROM: CYN VORTAC 2100

MAG VAR: 13W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 6	326	3/4	250	326	3/4	250	326	3/4	250	326	3/4	250			
S-LOC 6	660	3/4	584	660	3/4	584	660	1 1/4	584	660	1 1/4	584			
CIRCLING	660	1	579	660	1	579	660	1 3/4	579	700	2	619			
XOQUR FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)															
S-LOC 6	520	3/4	444	520	3/4	444	520	7/8	444	520	7/8	444			
CIRCLING	520	1	439	560	1	479	580	1 1/2	499	700	2	619			

NOTES:
CHART NOTE: CIRCLING TO RWY 24 NA AT NIGHT.
*LOC ONLY
*720 WHEN USING JOINT BASE MC GUIRE DIX LAKEHURST ALTIMETER SETTING.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 6.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 76 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	OCEAN COUNTY AIRPORT	I-MJX	ILS OR LOC RWY 6, AMDT 2 22 AUGUST 2013	AMDT: 1A DATED 10/18/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 6 CATS A/B AND S-LOC 6 XOQUR FIX MINIMUMS CATS A/B VISIBILITY TO 1.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JOINT BASE MC GUIRE DIX LAKEHURST ALTIMETER SETTING: INCREASE S-ILS 6 DA TO 367; INCREASE ALL MDA 60 FEET AND S-LOC 6 CATS C/D AND CIRCLING CAT C VISIBILITY 1/8 MILE AND CIRCLING CAT D VISIBILITY 1/4 MILE; INCREASE S-LOC 6 XOQUR FIX MINIMUMS CATS C/D VISIBILITY 1/8 MILE AND CIRCLING CAT D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING JOINT BASE MC GUIRE DIX LAKEHURST ALTIMETER SETTING, INCREASE S-ILS 6 ALL CATS VISIBILITY TO 7/8 AND S-LOC 6 CATS A/B AND S-LOC 6 XOQUR FIX MINIMUMS CATS A/B VISIBILITY TO 1, CATS C/D VISIBILITY TO 1 3/8.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 76	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: OCEAN COUNTY AIRPORT	I-MJX	ILS OR LOC RWY 6, AMDT 2 22 AUGUST 2013	AMDT: 1A
				DATED: 10/18/2012

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - ILS

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        CYN   K6011340VTH  N39490242W074255385    N39490242W074255385W0100002032     NARCOYLE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   SOITE K60    C     N39480888W074290338                    W0125     NAR           SOITE
        SUSAEAENRT   ZOMEV K60    C     N39522135W074223644                    W0126     NAR           ZOMEV

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJXK6AMJX     0      059YHN39553900W074173260W013000081         1800018000C    MNAR    OCEAN COUNTY AIRPORT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJXK6FI06   ACYN   010CYN  K6D 0V       IF                                          18000                 0 NS
        SUSAP KMJXK6FI06   ACYN   020SOITEK6EA0EY       TF                                  + 01900                       0 NS
        SUSAP KMJXK6FI06   ACYN   030SOITEK6EA0EE AL    HF IMJXK6      242901220799T010PI   + 01900                       0 NS
        SUSAP KMJXK6FI06   I      010SOITEK6EA0E  I     IF IMJXK6      24290122         PI  J 019000160018000             0 NS
        SUSAP KMJXK6FI06   I      020ZOMEVK6EA0E  F     CF IMJXK6      242900570630006 5PI  H 0160001600        -300CYN   K6D 0 NS
        SUSAP KMJXK6FI06   I      030RW06 K6PG0GY M     CF IMJXK6      242900110630004 6PI    00131            -300          0 NS
        SUSAP KMJXK6FI06   I      040          0  M     CA                      0628         + 00600                       0 NS
        SUSAP KMJXK6FI06   I      050CYN  K6D 0V    R   DF                                  + 01900                       0 NS
        SUSAP KMJXK6FI06   I      060SOITEK6EA0EY       TF                                  + 01900                       0 NS
        SUSAP KMJXK6FI06   I      070SOITEK6EA0EE  L    HM                      0799T010     + 01900                       0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJXK6GRW06     0059500628 N39552004W074180176+0000     +000990007600005610 0IIMJX1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJXK6IIMJX1    010990RW06 N39560115W074165846062 8N39552434W074174967 0502 10000600300W01305600074

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJXK6SCYN  K6D                0   18018002125                                                                   M
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QUALIFIED

CITY AND STATE	ELEVATION: 81 THRE: 76	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: OCEAN COUNTY AIRPORT	I-MJX	ILS OR LOC RWY 6, AMDT 2 22 AUGUST 2013	AMDT: 1A DATED: 10/18/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CYN	CYN	010		IF		FB					
	CYN	SOITE	020		TF		FO				AA 01900	
	CYN	SOITE	030	IAF	HF	L	FO		079.9()	T01.0	AA 01900	
		SOITE	010	FACF	IF		FB				AA 01900 GI 01600	
		ZOMEV	020	FAF	CF		FB		063.0()	006.5	GI 01600 GS 01600	
		RW06	030	MAP	CF		FO		063.0()	004.6	AT 00131	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		062.8()		AA 00600	
	CYN	050		DF	R	FB				AA 01900	
	SOITE	060		TF		FO				AA 01900	
	SOITE	070		HM	L	FO		079.9()	T01.0	AA 01900	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CYN	N394902.42	W0742553.85	N3949.040	W07425.898
	SOITE	N394808.88	W0742903.38	N3948.148	W07429.056
	ZOMEV	N395221.35	W0742236.44	N3952.356	W07422.607
	RW06	N395520.04	W0741801.76	N3955.334	W07418.029
	IMJX (LOC)	N395601.15	W0741658.46	N3956.019	W07416.974

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW06	00076	56

CITY AND STATE	ELEVATION: 81 THRE: 76	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: **OCEAN COUNTY AIRPORT**	**I-MJX**	**ILS OR LOC RWY 6, AMDT 2** 22 AUGUST 2013	AMDT: **1A**
				DATED: **10/18/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - LOC

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        CYN   K6011340VTH  N39490242W074255385    N39490242W074255385W0100002032     NARCOYLE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   SOITE K60    C     N39480888W074290338                  W0125     NAR           SOITE
        SUSAEAENRT   XOQUR K60    C     N39540645W074195497                  W0127     NAR           XOQUR
        SUSAEAENRT   ZOMEV K60    C     N39522135W074223644                  W0126     NAR           ZOMEV

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJXK6AMJX     0      059YHN39553900W074173260W013000081         1800018000C    MNAR    OCEAN COUNTY AIRPORT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJXK6FL06   ACYN   010CYN  K6D 0V       IF                                                18000                0 NS
        SUSAP KMJXK6FL06   ACYN   020SOITEK6EA0EY       TF                                  + 01900                            0 NS
        SUSAP KMJXK6FL06   ACYN   030SOITEK6EA0EE AL    HF IMJXK6      242901220799T010PI   + 01900                            0 NS
        SUSAP KMJXK6FL06   L      010SOITEK6EA0E  I     IF IMJXK6      24290122         PI  + 01900     18000                  0 NS
        SUSAP KMJXK6FL06   L      020ZOMEVK6EA0E  F     CF IMJXK6      2429005706300065PI   + 01600                CYN   K6D 0 NS
        SUSAP KMJXK6FL06   L      021XOQURK6EA0E S      CF IMJXK6      2429003006300027PI   + 00660          -301                0 NS
        SUSAP KMJXK6FL06   L      030RW06 K6PG0GY M     CF IMJXK6      2429001106300019PI     00131          -301                0 NS
        SUSAP KMJXK6FL06   L      040          0  M     CA                        0628        + 00600                            0 NS
        SUSAP KMJXK6FL06   L      050CYN  K6D 0V   R     DF                                  + 01900                            0 NS
        SUSAP KMJXK6FL06   L      060SOITEK6EA0EY       TF                                  + 01900                            0 NS
        SUSAP KMJXK6FL06   L      070SOITEK6EA0EE  L    HM                      0799T010    + 01900                            0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJXK6GRW06     0059500628 N39552004W074180176+0000     +000990007600005610OIIMJX1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMJXK6IIMJX1   010990RW06 N39560115W074165846062 8N39552434W0741749670502 10000600300W013056000 74

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

CITY AND STATE	ELEVATION: 81 THRE: 76	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: OCEAN COUNTY AIRPORT	I-MJX	ILS OR LOC RWY 6, AMDT 2 22 AUGUST 2013	AMDT: 1A DATED: 10/18/2012

QUALITY CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

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SUSAP KMJXK6SCYN  K6D              0   18018002125                                                    M
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 76	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: OCEAN COUNTY AIRPORT	I-MJX	ILS OR LOC RWY 6, AMDT 2 22 AUGUST 2013	AMDT: 1A DATED: 10/18/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CYN	CYN	010		IF		FB					
	CYN	SOITE	020		TF		FO				AA 01900	
	CYN	SOITE	030	IAF	HF	L	FO		079.9()	T01.0	AA 01900	
		SOITE	010	FACF	IF		FB				AA 01900	
		ZOMEV	020	FAF	CF		FB		063.0()	006.5	AA 01600	
		XOQUR	021	SDF	CF		FB		063.0()	002.7	AA 00660	
		RW06	030	MAP	CF		FO		063.0()	001.9	AT 00131	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		062.8()		AA 00600	
	CYN	050		DF	R	FB				AA 01900	
	SOITE	060		TF		FO				AA 01900	
	SOITE	070		HM	L	FO		079.9()	T01.0	AA 01900	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CYN	N394902.42	W0742553.85	N3949.040	W07425.898
	SOITE	N394808.88	W0742903.38	N3948.148	W07429.056
	XOQUR	N395406.45	W0741954.97	N3954.108	W07419.916
	ZOMEV	N395221.35	W0742236.44	N3952.356	W07422.607
	RW06	N395520.04	W0741801.76	N3955.334	W07418.029
	IMJX (LOC)	N395601.15	W0741658.46	N3956.019	W07416.974

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW06	00076	56

CITY AND STATE	ELEVATION: 81	THRE: 76	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: **OCEAN COUNTY AIRPORT**		**I-MJX**	**ILS OR LOC RWY 6, AMDT 2** 22 AUGUST 2013	AMDT: **1A**
					DATED: **10/18/2012**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SOITE (IF/IAF)	ZOMEV (FB)	062.72 / 6.51	1600
ZOMEV (FAF)	XOQUR/1.90 NM TO RW06 (FB)	062.79 / 2.71	
XOQUR/1.90 NM TO RW06	RW06 (MAP) (FO)	062.79 / 1.90	
RW06 (MAP)	600 MSL	062.79	600
600 MSL	SOITE (FO)		2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW06

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2000 DIRECT SOITE AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 184 TREE 395358N/0741913W
CHART: R-5002 A/B/C/D/E.
DISTANCE TO THLD FROM 250 HATH: 0.61 NM.
CHART VDP AT 1.23 MILES TO RW06*
*LNAV ONLY.
WAAS CHANNEL # 93733
REFERENCE PATH ID: W06A
CHART CIRCLING ICON.
LTP HAE: -9.9 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W SOITE, LT, 080.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 062.79 FAF: ZOMEV DIST FAF TO MAP: 4.61 THLD: 4.61
4. MIN. ALT: SOITE 2000, ZOMEV 1600, XOQUR/1.90 NM TO RW06 720*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1600 GS ALT AT: ZOMEV 1600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.8 34:1 IS NOT CLEAR
8. MSA FROM: RW06 2100

MAG VAR: 13W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	326	3/4	250	326	3/4	250	326	3/4	250	326	3/4	250			
LNAV/VNAV DA	400	3/4	324	400	3/4	324	400	3/4	324	400	3/4	324			
LNAV MDA	520	3/4	444	520	3/4	444	520	7/8	444	520	7/8	444			
CIRCLING	520	1	439	560	1	479	580	1 1/2	499	700	2	619			

NOTES:
CHART NOTE: CIRCLING TO RWY 24 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 76	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: OCEAN COUNTY AIRPORT	RNAV	RNAV (GPS) RWY 6, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS AND LNAV CATS A/B VISIBILITY TO 1.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JOINT BASE MC GUIRE DIX LAKEHURST ALTIMETER SETTING: INCREASE LPV DA TO 367; INCREASE LNAV/VNAV DA TO 441; INCREASE ALL MDA 60 FEET AND LNAV CATS C/D VISIBILITY 1/8 MILE AND CIRCLING CAT D VISIILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING JOINT BASE MC GUIRE DIX LAKEHURST ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 7/8, LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8, LNAV CATS A/B VISIBILITY TO 1, AND LNAV CATS C/D VISIBILITY TO 1 3/8.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING JOINT BASE MC GUIRE DIX LAKEHURST ALTIMETER SETTING.
CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 220 KIAS UNTIL COMPLETING TURN.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 76	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: OCEAN COUNTY AIRPORT	RNAV	RNAV (GPS) RWY 6, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMJX
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	395520.0410N
LTP/FTP LONGITUDE	0741801.7610W
LTP/FTP ELLIPSOIDAL HEIGHT	-00099
FPAP LATITUDE	395617.5390N
FPAP LONGITUDE	0741633.2325W
THRESHOLD CROSSING HEIGHT (TCH)	00055.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0936
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	50E10064

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00230
FPAP ORTHOMETRIC HEIGHT	+00230

QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 76	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: OCEAN COUNTY AIRPORT	RNAV	RNAV (GPS) RWY 6, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   SOITE K60    C     N39480888W074290338                      W0125     NAR           SOITE
         SUSAEAENRT   XOQUR K60    C     N39540645W074195497                      W0127     NAR           XOQUR
         SUSAEAENRT   ZOMEV K60    C     N39522135W074223644                      W0126     NAR           ZOMEV

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMJXK6AMJX     0     059YHN39553900W074173260W013000081         1800018000C    MNAR    OCEAN COUNTY AIRPORT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMJXK6FR06   ASOITE 010SOITEK6EA0EE AL   HF                    08000040    + 02000    18000                A JS
         SUSAP KMJXK6FR06   R       010SOITEK6EA0E  I    IF                                + 02000    18000                A JS
         SUSAP KMJXK6FR06   R       020ZOMEVK6EA1E  F 051TF                    06270065    + 01600                RW06  K6PGA JS
         SUSAP KMJXK6FR06   R       020ZOMEVK6EA2WALPV       ALNAV/VNAV ALNAV                                              JS
         SUSAP KMJXK6FR06   R       021XOQURK6EA0E S  031TF                    06280027    V 0072000736        -300          A JS
         SUSAP KMJXK6FR06   R       030RW06 K6PG0GY M 031TF                    06280019      00131             -300          A JS
         SUSAP KMJXK6FR06   R       040          0  M     CA                   0628        + 00600                         A JS
         SUSAP KMJXK6FR06   R       050SOITEK6EA0EY  R    DF                              + 02000          220            A-JS
         SUSAP KMJXK6FR06   R       060SOITEK6EA0EE  L    HM                   08000040    + 02000                         A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMJXK6GRW06     0059500628 N39552004W074180176+0000     -00099000760000056100I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMJXK6PR06   RW06 001 0000W06A0N3955200410W07418017610-000990300N3956175390W074163323251067509360005 58F40050050E10064
         SUSAP KMJXK6PR06   RW06 002E       +00230+00230LPV       93733

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMJXK6SRW06 K6PG              0   18018002125                                                                  M
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 76	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: **OCEAN COUNTY AIRPORT**	**RNAV**	**RNAV (GPS) RWY 6, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	SOITE	SOITE	010	IAF	HF	L	FO		080.0(067.0T)	004.0	AA 02000	
		SOITE	010	FACF	IF		FB				AA 02000	
		ZOMEV	020	FAF	TF		FB	0.5	062.7(049.7T)	006.5	AA 01600	
		XOQUR	021	SDF	TF		FB	0.3	062.8(049.8T)	002.7	AA 00720 GS 00736	
		RW06	030	MAP	TF		FO	0.3	062.8(049.8T)	001.9	AT 00131	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		062.8(049.8T)		AA 00600	
	SOITE	050		DF	R	FO				AA 02000	AB 220
	SOITE	060		HM	L	FO		080.0(067.0T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SOITE	N394808.88	W0742903.38	N3948.148	W07429.056
	XOQUR	N395406.45	W0741954.97	N3954.108	W07419.916
	ZOMEV	N395221.35	W0742236.44	N3952.356	W07422.607
	RW06	N395520.04	W0741801.76	N3955.334	W07418.029

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW06	00076	56

QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 76 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	**OCEAN COUNTY AIRPORT**	**RNAV**	**RNAV (GPS) RWY 6, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LOYIN (IF/IAF)	JIDPI (FB)	242.96 / 5.00	2000
JIDPI (FAF)	WIYQY/2.50 NM TO RW24 (FB)	242.91 / 3.17	
WIYQY/2.50 NM TO RW24	RW24 (MAP) (FO)	242.91 / 2.50	
RW24 (MAP)	600 MSL	242.91	600
600 MSL	LOYIN (FO)		2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW24

CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2000 DIRECT TO LOYIN AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 184 TL TWR 395710N/0741614W
CHART 286 TOWER 395917N/0741236W.
DISTANCE TO THLD FROM 255 HATH: 0.59 NM.
WAAS CHANNEL # 86433
REFERENCE PATH ID: W24A
CHART CIRCLING ICON.
LTP HAE: -9.9 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE LOYIN, RT, 242.96 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 242.91 FAF: JIDPI DIST FAF TO MAP: 5.67 THLD: 5.67
4. MIN. ALT: LOYIN 2000, JIDPI 2000, WIYQY/2.50 NM TO RW24 940'
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: JIDPI 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.10 TCH: 60.0 34:1 IS NOT CLEAR
8. MSA FROM: RW24 2100

MAG VAR: 13W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A | X |

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	330	1	255	330	1	255	330	1	255	330	1	255			
LNAV/VNAV DA	402	1	327	402	1	327	402	1	327	402	1	327			
LNAV MDA	440	1	365	440	1	365	440	1	365	440	1	365			
CIRCLING	520	1	439	560	1	479	580	1 1/2	499	700	2	619			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING JOINT BASE MC GUIRE DIX LAKEHURST ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 46C (115F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 75	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: OCEAN COUNTY AIRPORT	RNAV	RNAV (GPS) RWY 24, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
CHART NOTE: RWY 24 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JOINT BASE MC GUIRE DIX LAKEHURST ALTIMETER SETTING: INCREASE LPV DA TO 371; INCREASE LNAV/VNAV DA TO 443 AND ALL CATS VISIBILITY 1/8 MILE; INCREASE ALL MDA 60 FEET AND LNAV CATS C/D AND CIRCLING CAT D VISIBILTY 1/4 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 220 KIAS UNTIL COMPLETING TURN.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 75	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: OCEAN COUNTY AIRPORT	RNAV	RNAV (GPS) RWY 24, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMJX
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	395557.9510N
LTP/FTP LONGITUDE	0741703.3865W
LTP/FTP ELLIPSOIDAL HEIGHT	-00099
FPAP LATITUDE	395500.4460N
FPAP LONGITUDE	0741831.9005W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0936
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	810A3B97

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00230
FPAP ORTHOMETRIC HEIGHT	+00230

QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 75	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: OCEAN COUNTY AIRPORT	RNAV	RNAV (GPS) RWY 24, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   JIDPI K60    W     N39593719W074112528                    W0128     NAR          JIDPI
         SUSAEAENRT   LOYIN K60    W     N40025043W074062642                    W0128     NAR          LOYIN
         SUSAEAENRT   WIYQY K60    W     N39573472W074143428                    W0127     NAR          WIYQY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMJXK6AMJX     0     059YHN39553900W074173260W013000081          1800018000C    MNAR     OCEAN COUNTY AIRPORT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMJXK6FR24   ALOYIN 010LOYINK6EA0EE AR   HF                    24300040    + 02000     18000                A JS
         SUSAP KMJXK6FR24   R      010LOYINK6EA0E  I    IF                                + 02000     18000                A JS
         SUSAP KMJXK6FR24   R      020JIDPIK6EA1E  F 051TF                    24300050    + 02000                  RW24  K6PGA JS
         SUSAP KMJXK6FR24   R      020JIDPIK6EA2WALPV       ALNAV/VNAV ALNAV                                                 JS
         SUSAP KMJXK6FR24   R      021WIYQYK6EA0E S  031TF                    24290032    V 0094000958       -310          A JS
         SUSAP KMJXK6FR24   R      030RW24 K6PG0GY M 031TF                    24290025      00135            -310          A JS
         SUSAP KMJXK6FR24   R      040         0  M     CA                    2429        + 00600                        A JS
         SUSAP KMJXK6FR24   R      050LOYINK6EA0EY  L   DF                              + 02000          220           A-JS
         SUSAP KMJXK6FR24   R      060LOYINK6EA0EE  R   HM                    24300040    + 02000                        A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMJXK6GRW24    0059502429 N39555795W074170339+0000     -0009900075000060100R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMJXK6PR24   RW24 001 0000W24A0N3955579510W07417033865-000990310N3955004460W074183190051067509360006O0F400500810A3B97
         SUSAP KMJXK6PR24   RW24 002E      +00230+00230LPV       86433

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMJXK6SRW24 K6PG              0   18018002125                                                                    M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 75	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: **OCEAN COUNTY AIRPORT**	**RNAV**	**RNAV (GPS) RWY 24, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	LOYIN	LOYIN	010	IAF	HF	R	FO		243.0(230.0T)	004.0	AA 02000	
		LOYIN	010	FACF	IF		FB				AA 02000	
		JIDPI	020	FAF	TF		FB	0.5	243.0(230.0T)	005.0	AA 02000	
		WIYQY	021	SDF	TF		FB	0.3	242.9(229.9T)	003.2	AA 00940 GS 00958	
		RW24	030	MAP	TF		FO	0.3	242.9(229.9T)	002.5	AT 00135	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		242.9(229.9T)		AA 00600	
	LOYIN	050		DF	L	FO				AA 02000	AB 220
	LOYIN	060		HM	R	FO		243.0(230.0T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	JIDPI	N395937.19	W0741125.28	N3959.620	W07411.421
	LOYIN	N400250.43	W0740626.42	N4002.841	W07406.440
	WIYQY	N395734.72	W0741434.28	N3957.579	W07414.571
	RW24	N395557.95	W0741703.39	N3955.966	W07417.057

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24	00075	60

QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 75	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TOMS RIVER, NJ	AIRPORT NAME: **OCEAN COUNTY AIRPORT**	**RNAV**	**RNAV (GPS) RWY 24, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
TOMS RIVER, NJ	OCEAN COUNTY AIRPORT	22 AUGUST 2013	1

TAKEOFF MINIMUMS:

RWY 6, 24, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, TREES BEGINNING 67 FT FROM DER, 268 FT LEFT OF CENTERLINE, UP TO 44 FT AGL/109 FT MSL. TREES BEGINNING 179 FT FROM DER, 515 FT RIGHT OF CENTERLINE, UP TO 53 FT AGL/122 FT MSL. TREES BEGINNING 699 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 62 FT AGL/121 FT MSL. TREES BEGINNING 766 FT FROM DER, 65 FT LEFT OF CENTERLINE, UP TO 67 FT AGL/146 FT MSL.

NOTE: RWY 24, TERRAIN 52 FT FROM DER, 438 FT RIGHT OF CENTERLINE, UP TO 77 FT MSL. TREES BEGINNING 1078 FT FROM DER, 98 FT LEFT OF CENTERLINE, UP TO 24 FT AGL/108 FT MSL. TREES BEGINNING 1333 FT FROM DER, 494 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/120 FT MSL.

CONTROLLING OBSTACLES:

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
TOMS RIVER, NJ	OCEAN COUNTY AIRPORT	22 AUGUST 2013	1

REMARKS:

FLIGHT INSPECTED BY:

for Stephen Bauer 5/21/13

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

for PETER R. GUIMOND AJV-352 03/08/2013

APPROVED BY:

for SUSAN CRUMB AJV-352

COORDINATED WITH:

JUN 18 2013

AOPA, NBAA, ALPA, ZNY, WRI APP CON, ARPT MGR

CHANGES:

1. AMENDED AIRPORT NAME FROM ROBERT J. MILLER AIR PARK TO OCEAN COUNTY AIRPORT.
2. AMENDED TAKEOFF OBSTACLE NOTES FOR RWY 6.
2. AMENDED TAKEOFF OBSTACLE NOTES FOR RWY 24.

REASONS:

1. EASTERN FPT REQUEST.
2. NEW OBSTACLE STUDY. AIRPORT RECEIVED NEW SURVEY SINCE LAST AMENDMENT.
3. NEW OBSTACLE STUDY. AIRPORT RECEIVED NEW SURVEY SINCE LAST AMENDMENT.

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP: 8.73 MILES AFTER CYN VORTAC OR AT CYN 8.73 DME FIX

CLIMB TO 2500 ON CYN VORTAC R-054 TO PICKE INT/CYN 15.68 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 234.48 INBOUND.
CHART FAS OBST: 275 TOWER 395244N/0741912W
CHART R-5002 A/B/C/D/E.
CHART VDP AT 7.44 DME;
DISTANCE VDP TO THLD 1.29 MILES.
PALET TO RW06: 2.80/53.0.
CHART CIRCLING ICON.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W CYN VORTAC, LT, 080.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC 053.89 FAF CYN VORTAC DIST FAF TO MAP 8.73 THLD 8.73
4. MIN. ALT CYN VORTAC 2000, PALET/CYN 6.40 DME 820*
8. MSA FROM: CYN VORTAC 2100

MAG VAR: 10W EPOCH YEAR:1965

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-6	820	3/4	744	820	3/4	744	820	1 3/4	744	820	1 3/4	744			
CIRCLING	820	1	739	820	1 1/4	739	820	2	739	820	2 1/4	739			
PALET FIX MINIMUMS															
S-6	540	3/4	464	540	3/4	464	540	1	464	540	1	464			
CIRCLING	540	1	459	560	1	479	580	1 1/2	499	700	2	619			

NOTES:

CHART NOTE: CIRCLING TO RWY 24 NA AT NIGHT.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON CYN VORTAC AIRWAY RADIALS 226 CW 274.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
*880 WHEN USING JOINT BASE MC GUIRE DIX LAKEHURST ALTIMETER SETTING.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 76	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR OR GPS RWY 6
TOMS RIVER, NJ	AIRPORT NAME: OCEAN COUNTY AIRPORT	CYN	VOR RWY 6, AMDT 7 22 AUGUST 2013	AMDT 6B
				DATE 10/18/2012

FAA FORM 8260-5 / April 2006 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23

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NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-6 CAT A VISIBILITY TO 1, S-6 CATS C/D VISIBILITY TO 2, AND PALET FIX MINIMUMS S-6 CATS A/B VISIBILITY TO 1.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JOINT BASE MC GUIRE DIX LAKEHURST ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET; INCREASE S-6 CATS C/D VISIBILITY 1/8 MILE, CIRCLING CAT C VISIBILITY 1/2 MILE, AND CIRCLING CAT D VISIBILITY 1/4 MILE; INCREASE PALET FIX MINIMUMS CIRCLING CAT D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING JOINT BASE MC GUIRE DIX LAKEHURST ALTIMETER SETTING, INCREASE S-6 CAT A VISIBILITY TO 1, CATS C/D VISIBILITY TO 2 1/2, AND PALET FIX MINIMUMS CATS A/B VISIBILITY TO 1.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: VDP NA WHEN USING JOINT BASE MC GUIRE DIX LAKEHURST ALTIMETER SETTING.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 76	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: VOR OR GPS RWY 6
TOMS RIVER, NJ	AIRPORT NAME: OCEAN COUNTY AIRPORT	CYN	VOR RWY 6, AMDT 7 22 AUGUST 2013	AMDT: 6B
				DATED: 10/18/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CYN VORTAC	PICKE/CYN 15.68 DME	054.48 / 15.68	2000
RBV VORTAC	PICKE/CYN 15.68 DME	140.52 / 18.30	2500

MISSED APPROACH

MAP: CYN 9.71 DME FIX

CLIMBING LEFT TURN TO 2000 ON HEADING 340 AND CYN VORTAC R-054 TO PICKE/CYN 15.68 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 184 TL TWR 395710N/0741614W
CHART: 390 TOWER 395949N/0741020W
PICKE TO RW24: 2.97/40.
CHART CIRCLING ICON.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE PICKE, LT, 234.48 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC 234.48 FAF PICKE/CYN 15.68 DME DIST FAF TO MAP ____ THLD 5.97
4. MIN. ALT PICKE/CYN 15.68 DME 2000, AYCEE/CYN 11.40 DME 640
8. MSA FROM: CYN VORTAC 2100

MAG VAR: 10W EPOCH YEAR:1965

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-24	480	1	405	480	1	405	480	1 1/8	405	480	1 1/8	405			
CIRCLING	520	1	439	560	1	479	580	1 1/2	499	700	2	619			

NOTES:

CHART NOTE: RWY 24 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JOINT BASE MC GUIRE DIX LAKEHURST ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND S-24 CATS C/D AND CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 75 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR OR GPS RWY 24
TOMS RIVER, NJ	OCEAN COUNTY AIRPORT	CYN	VOR/DME RWY 24, AMDT 4 22 AUGUST 2013	AMDT 3C
				DATE 10/18/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23

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QUALITY CHECKED

CITY AND STATE	ELEVATION: 81 THRE: 75 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: VOR OR GPS RWY 24
TOMS RIVER, NJ	OCEAN COUNTY AIRPORT	CYN	VOR/DME RWY 24, AMDT 4 22 AUGUST 2013	AMDT: 3C DATED: 10/18/2012

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
AXEPE (IAF)	WAMVA (FB)	035.66 / 8.82	6600
LANIC (IAF)	WAMVA (FB)	339.55 / 5.43	6600
WAMVA (IF)	ZETVO (FB)	019.07 / 4.00	5600
ZETVO (FAF)	OXYAC/4.00 NM TO RW03 (FB)	034.09 / 3.08	
OXYAC/4.00 NM TO RW03	RW03 (MAP) (FO)	034.09 / 4.00	
RW03 (MAP)	3495 MSL	034.09	
3495 MSL	KEREY (FO)		5600

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW03

CLIMB TO 5600 DIRECT KEREY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 214.24 INBOUND.
FAS OBST: 3839 AAO 321657N/1041929W.
4279 AAO 321358N/1042138W.
DISTANCE TO THLD FROM 200 HATH: 0.47 NM.
CHART VDP AT 2.37 MILES TO RW03*
*LNAV ONLY.
WAAS CHANNEL # 81835
REFERENCE PATH ID: W03A
CHART CIRCLING ICON.
LTP HAE: 979.7 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT WAMVA
3. FAC: 034.09 FAF: ZETVO DIST FAF TO MAP: 7.08 THLD: 7.08
4. MIN. ALT: WAMVA 6600, ZETVO 5600, OXYAV/4.00 NM TO RW03 4600*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 5600 GS ALT AT: ZETVO 5600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.6 34:1 IS CLEAR
8. MSA FROM: RW03 8100

MAG VAR: 10E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N.A @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3495	1/2	200	3495	1/2	200	3495	1/2	200	3495	1/2	200			
LNAV/VNAV DA	3545	1/2	250	3545	1/2	250	3545	1/2	250	3545	1/2	250			
LNAV MDA	4100	1/2	805	4100	3/4	805	4100	1 7/8	805	4100	1 7/8	805			
CIRCLING	4100	1	805	4100	1 1/4	805	4100	2 1/2	805	4260	3	965			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10C (14F) OR ABOVE 52C (126F).
@ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 1000-3
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AXEPE ON V102 SOUTHWEST BOUND.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3295 THRE: 3295 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CARLSBAD, NM	CAVERN CITY AIR TRML	RNAV	RNAV (GPS) RWY 3, ORIG 22 AUGUST 2013	AMDT: NONE DATED

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LANIC ON V560 SOUTHWEST BOUND.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT C/D VISIBILITY TO 2 1/2 MILES, AND INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 3/4 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3295 THRE: 3295	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CARLSBAD, NM	AIRPORT NAME: CAVERN CITY AIR TRML	RNAV	RNAV (GPS) RWY 3, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCNM
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	321921.5375N
LTP/FTP LONGITUDE	1041627.3440W
LTP/FTP ELLIPSOIDAL HEIGHT	+09797
FPAP LATITUDE	322025.6100N
FPAP LONGITUDE	1041514.1000W
THRESHOLD CROSSING HEIGHT (TCH)	00050.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0360
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	AE5B341B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+10042
FPAP ORTHOMETRIC HEIGHT	+10042

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 3295 THRE: 3295	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CARLSBAD, NM	AIRPORT NAME: CAVERN CITY AIR TRML	RNAV	RNAV (GPS) RWY 3, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AXEPE K20    C   L N32043542W104315948                    E0078     NAR          AXEPE
        SUSAEAENRT   KEREY K20    W     N32285457W104053073                    E0076     NAR          KEREY
        SUSAEAENRT   LANIC K20    C   L N32052466W104232397                    E0077     NAR          LANIC
        SUSAEAENRT   OXYAC K20    W     N32162891W104194448                    E0077     NAR          OXYAC
        SUSAEAENRT   WAMVA K20    W     N32104576W104243360                    E0077     NAR          WAMVA
        SUSAEAENRT   ZETVO K20    W     N32141594W104221612                    E0077     NAR          ZETVO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCNMK2ACNM      0     078YHN32201480W104154810E010003295          1800018000C    MNAR     CAVERN CITY AIR TRML

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCNMK2FR03   AAXEPE 010AXEPEK2EA0E  A    IF                                          18000                A JS
        SUSAP KCNMK2FR03   AAXEPE 020WAMVAK2EA0EE B 010TF                    03570088    + 06600                      A JS
        SUSAP KCNMK2FR03   ALANIC 010LANICK2EA0E  A    IF                                          18000                A JS
        SUSAP KCNMK2FR03   ALANIC 020WAMVAK2EA0EE B 010TF                    33960054    + 06600                      A JS
        SUSAP KCNMK2FR03   R      010WAMVAK2EA0E  I    IF                                +06600    18000              A JS
        SUSAP KCNMK2FR03   R      020ZETVOK2EA1E  F 051TF                    01910040    + 05600              RW03  K2PGA JS
        SUSAP KCNMK2FR03   R      020ZETVOK2EA2WALPV       ALNAV/VNAV ALNAV                                           JS
        SUSAP KCNMK2FR03   R      021OXYACK2EA0E S  031TF                    03410031    V 0460004619       -300      A JS
        SUSAP KCNMK2FR03   R      030RW03 K2PG0GY M 031TF                    03410040      03345            -300      A JS
        SUSAP KCNMK2FR03   R      040         0  M     CA                   0341        + 03495                      A JS
        SUSAP KCNMK2FR03   R      050KEREYK2EA0EY       DF                              + 05600                      A JS
        SUSAP KCNMK2FR03   R      060KEREYK2EA0EE  R    HM                   21420050    + 05600                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCNMK2GRW03     0078540341 N32192154W104162734-0600     +09797032950000511501

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCNMK2PR03   RW03 001 0000W03A0N3219215375W10416273440+097970300N3220256100W1041514100010675036000050 6F400350AE5B341B
        SUSAP KCNMK2PR03   RW03 002E       +10042+10042LPV       81835

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY CHECKED 9

CITY AND STATE	ELEVATION: 3295 THRE: 3295	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CARLSBAD, NM	AIRPORT NAME: CAVERN CITY AIR TRML	RNAV	RNAV (GPS) RWY 3, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

```
SUSAP KCNMK2SRW03 K2PG              0    18018008125                                                                M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3295 THRE: 3295	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CARLSBAD, NM	AIRPORT NAME: **CAVERN CITY AIR TRML**	**RNAV**	**RNAV (GPS) RWY 3, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AXEPE	AXEPE	010	IAF	IF		FB					
	AXEPE	WAMVA	020		TF		FB	1.0	035.7(045.7T)	008.8	AA 06600	
	LANIC	LANIC	010	IAF	IF		FB					
	LANIC	WAMVA	020		TF		FB	1.0	339.6(349.6T)	005.4	AA 06600	
		WAMVA	010	FACF	IF		FB				AA 06600	
		ZETVO	020	FAF	TF		FB	0.5	019.1(029.1T)	004.0	AA 05600	
		OXYAC	021	SDF	TF		FB	0.3	034.1(044.1T)	003.1	AA 04600 GS 04619	
		RW03	030	MAP	TF		FO	0.3	034.1(044.1T)	004.0	AT 03345	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		034.1(044.1T)		AA 03495	
	KEREY	050		DF		FO				AA 05600	
	KEREY	060		HM	R	FO		214.2(224.2T)	005.0	AA 05600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AXEPE	N320435.42	W1043159.48	N3204.590	W10431.991
	KEREY	N322854.57	W1040530.73	N3228.910	W10405.512
	LANIC	N320524.66	W1042323.97	N3205.411	W10423.400
	OXYAC	N321628.91	W1041944.48	N3216.482	W10419.741
	WAMVA	N321045.76	W1042433.60	N3210.763	W10424.560
	ZETVO	N321415.94	W1042216.12	N3214.266	W10422.269
	RW03	N321921.54	W1041627.34	N3219.359	W10416.456

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03	03295	51

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 3295 THRE: 3295	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CARLSBAD, NM	AIRPORT NAME: CAVERN CITY AIR TRML	RNAV	RNAV (GPS) RWY 3, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CNM VORTAC	BICNA (FO)	324.75 / 17.64	6100
FATAP (IAF)	BICNA (NOPT) (FB)	161.62 / 16.47	6000
BICNA (IF/IAF)	AYOPE (FB)	144.00 / 6.06	5200
AYOPE (FAF)	HEKES/2.60 NM TO RW14R (FB)	144.00 / 3.34	
HEKES/2.60 NM TO RW14R	RW14R (MAP) (FO)	144.00 / 2.60	
RW14R (MAP)	3519 MSL	144.00	
3519 MSL	DAPEY (FO)		6000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW14R

CLIMB TO 6000 DIRECT DAPEY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 324.09 INBOUND.
CHART FAS OBST: 3469 TREE 322209N/1041726W
CHART: 3629 TREE 322328N/1041724W.
DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
WAAS CHANNEL # 61034
REFERENCE PATH ID: W14A
CHART CIRCLING ICON.
LTP HAE: 972.1 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW BICNA, RT, 143.99 INBOUND, 6000 FT. IN LIEU OF PT (IAF)
3. FAC: 144.00 FAF: AYOPE DIST FAF TO MAP: 5.94 THLD: 5.94
4. MIN. ALT: BICNA 6000, AYOPE 5200, HEKES/2.60 NM TO RW14R 4120*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 5200 GS ALT AT: AYOPE 5200 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW14R 8100

MAG VAR: 10E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3519	1	250	3519	1	250	3519	1	250	3519	1	250			
LNAV/VNAV DA	3519	1	250	3519	1	250	3519	1	250	3519	1	250			
LNAV MDA	3720	1	451	3720	1	451	3720	1 3/8	451	3720	1 3/8	451			
CIRCLING	3720	1	425	3780	1	485	3960	1 3/4	665	4260	3	965			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10C (14F) OR ABOVE 54C (130F). @ CAT D 1000-3
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3295 THRE: 3269 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CARLSBAD, NM	CAVERN CITY AIR TRML	RNAV	RNAV (GPS) RWY 14R, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 08/05/2004

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
*LNAV ONLY
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3295 THRE: 3269	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CARLSBAD, NM	AIRPORT NAME: CAVERN CITY AIR TRML	RNAV	RNAV (GPS) RWY 14R, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 08/05/2004

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCNM
RUNWAY	RW14R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	322034.4085N
LTP/FTP LONGITUDE	1041615.0955W
LTP/FTP ELLIPSOIDAL HEIGHT	+09721
FPAP LATITUDE	321914.1400N
FPAP LONGITUDE	1041529.0600W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0968
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	1D605C9E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+09965
FPAP ORTHOMETRIC HEIGHT	+09965

QUALITY 9 CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        CNM   K2011630VTLW N32152381W104133374    N32152381W104133374E0120032571     NARCARLSBAD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AYOPE K20    W     N32255523W104191938                    E0077     NAR          AYOPE
        SUSAEAENRT   BICNA K20    W     N32312293W104222785                    E0078     NAR          BICNA
        SUSAEAENRT   DAPEY K20    W     N32085364W104093408                    E0076     NAR          DAPEY
        SUSAEAENRT   FATAP K20    C   L N32474253W104251810                    E0078     NAR          FATAP
        SUSAEAENRT   HEKES K20    W     N32225494W104173577                    E0077     NAR          HEKES

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCNMK2ACNM     0     078YHN32201480W104154810E010003295          1800018000C    MNAR     CAVERN CITY AIR TRML

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCNMK2FR14R  ACNM   010CNM  K2D 0V       IF                                          18000                A JS
        SUSAP KCNMK2FR14R  ACNM   020BICNAK2EA0EY   020TF                    32480176    + 06100                      A JS
        SUSAP KCNMK2FR14R  ACNM   030BICNAK2EA0EE AR   HF                    14400060    + 06000                      A JS
        SUSAP KCNMK2FR14R  AFATAP 010FATAPK2EA0E  A    IF                                          18000                A JS
        SUSAP KCNMK2FR14R  AFATAP 020BICNAK2EA0EE B 010TF                    16160165    + 06000                      A JS
        SUSAP KCNMK2FR14R  R      010BICNAK2EA0E  I    IF                                + 06000    18000             A JS
        SUSAP KCNMK2FR14R  R      020AYOPEK2EA1E  F 051TF                    14400061    + 05200          RW14R K2PGA JS
        SUSAP KCNMK2FR14R  R      020AYOPEK2EA2WALPV      ALNAV/VNAV ALNAV                                             JS
        SUSAP KCNMK2FR14R  R      021HEKESK2EA0E S  031TF                    14400033    V 0412004137       -300      A JS
        SUSAP KCNMK2FR14R  R      030RW14RK2PG0GY M 031TF                    14400026      03309            -300      A JS
        SUSAP KCNMK2FR14R  R      040         0  M     CA                    1440        + 03519                      A JS
        SUSAP KCNMK2FR14R  R      050DAPEYK2EA0EY      DF                               + 06000                      A JS
        SUSAP KCNMK2FR14R  R      060DAPEYK2EA0EE  R   HM                    32410060    + 06000                      A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCNMK2GRW14R   0058371440 N32203441W104161510+0000    +0972103269000040100R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------4
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CITY AND STATE	ELEVATION: 3295 THRE: 3269 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CARLSBAD, NM	CAVERN CITY AIR TRML	RNAV	RNAV (GPS) RWY 14R, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 08/05/2004

CHECKED

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```
SUSAP KCNMK2PR14R  RW14R001 0000W14A0N3220344085W10416150955+097210300N3219141400W1041529060010675096800040 0F4005001D605C9E
SUSAP KCNMK2PR14R  RW14R002E      +09965+09965LPV       61034

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
SUSAP KCNMK2SRW14RK2PG              0   18018008125                                                                  M
```

QUALITY
4
CHECKED

CITY AND STATE	ELEVATION: 3295 THRE: 3269	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CARLSBAD, NM	AIRPORT NAME: CAVERN CITY AIR TRML	RNAV	RNAV (GPS) RWY 14R, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 08/05/2004

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CNM	CNM	010		IF		FB					
	CNM	BICNA	020		TF		FO	2.0	324.8(334.8T)	017.6	AA 06100	
	CNM	BICNA	030	IAF	HF	R	FO		144.0(154.0T)	006.0	AA 06000	
	FATAP	FATAP	010	IAF	IF		FB					
	FATAP	BICNA	020		TF		FB	1.0	161.6(171.6T)	016.5	AA 06000	
		BICNA	010	FACF	IF		FB				AA 06000	
		AYOPE	020	FAF	TF		FB	0.5	144.0(154.0T)	006.1	AA 05200	
		HEKES	021	SDF	TF		FB	0.3	144.0(154.0T)	003.3	AA 04120	GS 04137
		RW14R	030	MAP	TF		FO	0.3	144.0(154.0T)	002.6	AT 03309	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		144.0(154.0T)		AA 03519	
	DAPEY	050		DF		FO				AA 06000	
	DAPEY	060		HM	R	FO		324.1(334.1T)	006.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CNM	N321523.81	W1041333.74	N3215.397	W10413.562
	AYOPE	N322555.23	W1041919.38	N3225.921	W10419.323
	BICNA	N323122.93	W1042227.85	N3231.382	W10422.464
	DAPEY	N320853.64	W1040934.08	N3208.894	W10409.568
	FATAP	N324742.53	W1042518.10	N3247.709	W10425.302
	HEKES	N322254.94	W1041735.77	N3222.916	W10417.596
	RW14R	N322034.41	W1041615.10	N3220.574	W10416.252

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14R	03269	40

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 3295 THRE: 3269 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CARLSBAD, NM	CAVERN CITY AIR TRML	RNAV	RNAV (GPS) RWY 14R, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 08/05/2004

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CNM VORTAC	KEREY (FO)	016.79 / 15.11	6000
HOMEX (IAF)	KEREY (NOPT) (FB)	283.71 / 12.27	5600
FATAP (IAF)	KEREY (NOPT) (FB)	128.22 / 25.12	5600
KEREY (IF/IAF)	TIBQU (FB)	214.24 / 6.99	4900
TIBQU (FAF)	RW21 (MAP) (FO)	214.19 / 5.01	
RW21 (MAP)	3497 MSL	214.19	
3497 MSL	GUADO (FB)		
GUADO	LANIC (FO)	168.83 / 7.68	8000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW21

CLIMB TO 8000 DIRECT GUADO AND ON TRACK 168.83 TO LANIC, CONTINUE CLIMB-IN-HOLD TO 8000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE KEREY, RT, 214.24 INBOUND, 5600 FT. IN LIEU OF PT (IAF)
3. FAC: 214.19 FAF: TIBQU DIST FAF TO MAP: 5.01 THLD: 5.01
4. MIN. ALT: KEREY 5600, TIBQU 4900
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4900 GS ALT AT: TIBQU 4900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 58.0 34:1 IS NOT CLEAR
8. MSA FROM: RW21 8100

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 210.00 INBOUND.
CHART FAS OBST: 3313 TOWER 322044N/1041507W
CHART: 3385 TOWER 322417N/1041115W.
DISTANCE TO THLD FROM 250 HATH: 0.60 NM.
CHART VDP AT 0.86 MILES TO RW21*
*LNAV ONLY.
WAAS CHANNEL # 90234
REFERENCE PATH ID: W21A
CHART CIRCLING ICON.
LTP HAE: 965.4 M

MAG VAR: 10E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3497	3/4	250	3497	3/4	250	3497	3/4	250	3497	3/4	250			
LNAV/VNAV DA	3497	3/4	250	3497	3/4	250	3497	3/4	250	3497	3/4	250			
LNAV MDA	3580	1	333	3580	1	333	3580	1	333	3580	1	333			
CIRCLING	3700	1	405	3780	1	485	3960	1 3/4	665	4260	3	965			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10C (14F) OR ABOVE 50C (123F). @ CAT D 1000-3
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 3295 THRE: 3247	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CARLSBAD, NM	AIRPORT NAME: CAVERN CITY AIR TRML	RNAV	RNAV (GPS) RWY 21, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED 08/05/2004

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 3295 THRE: 3247	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CARLSBAD, NM	AIRPORT NAME: CAVERN CITY AIR TRML	RNAV	RNAV (GPS) RWY 21, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 08/05/2004

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCNM
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	322017.2935N
LTP/FTP LONGITUDE	1041523.5980W
LTP/FTP ELLIPSOIDAL HEIGHT	+09654
FPAP LATITUDE	321913.2200N
FPAP LONGITUDE	1041636.8400W
THRESHOLD CROSSING HEIGHT (TCH)	00058.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0360
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	8F3C7F42

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+09898
FPAP ORTHOMETRIC HEIGHT	+09898

QUALITY 9 CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        CNM    K2011630VTLW N32152381W104133374    N32152381W104133374E0120032571     NARCARLSBAD

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FATAP K20    C   L N32474253W104251810                    E0078     NAR          FATAP
        SUSAEAENRT   GUADO K20    C     N32130647W104233509                    E0077     NAR          GUADO
        SUSAEAENRT   HOMEX K20    C   L N32235870W103521399                    E0075     NAR          HOMEX
        SUSAEAENRT   KEREY K20    W     N32285457W104053073                    E0076     NAR          KEREY
        SUSAEAENRT   LANIC K20    C   L N32052466W104232397                    E0077     NAR          LANIC
        SUSAEAENRT   TIBQU K20    W     N32235321W104111647                    E0077     NAR          TIBQU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCNMK2ACNM     0     078YHN32201480W104154810E010003295          1800018000C    MNAR    CAVERN CITY AIR TRML

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCNMK2FR21   ACNM   010CNM  K2D 0V       IF                                                18000              A JS
        SUSAP KCNMK2FR21   ACNM   020KEREYK2EA0EY   020TF                    01680151    + 06000                          A JS
        SUSAP KCNMK2FR21   ACNM   030KEREYK2EA0EE AR   HF                    21420050    + 05600                          A JS
        SUSAP KCNMK2FR21   AFATAP 010FATAPK2EA0E  A    IF                                                18000              A JS
        SUSAP KCNMK2FR21   AFATAP 020KEREYK2EA0EE B 010TF                    12820251    + 05600                          A JS
        SUSAP KCNMK2FR21   AHOMEX 010HOMEXK2EA0E  A    IF                                                18000              A JS
        SUSAP KCNMK2FR21   AHOMEX 020KEREYK2EA0EE B 010TF                    28370123    + 05600                          A JS
        SUSAP KCNMK2FR21   R      010KEREYK2EA0E  I    IF                                + 05600         18000              A JS
        SUSAP KCNMK2FR21   R      020TIBQUK2EA1E  F 051TF                    21420070    + 04900                  RW21  K2PGA JS
        SUSAP KCNMK2FR21   R      020TIBQUK2EA2WALPV       ALNAV/VNAV ALNAV                                                 JS
        SUSAP KCNMK2FR21   R      030RW21 K2PG0GY M 031TF                    21420050      03305                -300          A JS
        SUSAP KCNMK2FR21   R      040         0  M     CA                    2142        + 03497                          A JS
        SUSAP KCNMK2FR21   R      050GUADOK2EA0E        DF                                + 08000                          A JS
        SUSAP KCNMK2FR21   R      060LANICK2EA0EY   010TF                    1688        + 08000                          A JS
        SUSAP KCNMK2FR21   R      070LANICK2EA0EE  R   HM                    21000070    + 08000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCNMK2GRW21    0078542142 N32201729W104152360+0600    +0965403247000058150R
```

4

CHECKED

CITY AND STATE	ELEVATION: 3295 THRE: 3247	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CARLSBAD, NM	AIRPORT NAME: **CAVERN CITY AIR TRML**	**RNAV**	**RNAV (GPS) RWY 21, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **08/05/2004**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KCNMK2PR21    RW21 001 0000W21A0N3220172935W10415235980+096540300N3219132200W10416368400106750360000580F4005008F3C7F42
    SUSAP KCNMK2PR21    RW21 002E       +09898+09898LPV       90234

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KCNMK2SRW21 K2PG               0   18018008125                                                                    M
```



CITY AND STATE	ELEVATION: 3295 THRE: 3247	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CARLSBAD, NM	AIRPORT NAME: CAVERN CITY AIR TRML	RNAV	RNAV (GPS) RWY 21, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 08/05/2004

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CNM	CNM	010		IF		FB					
	CNM	KEREY	020		TF		FO	2.0	016.8(026.8T)	015.1	AA 06000	
	CNM	KEREY	030	IAF	HF	R	FO		214.2(224.2T)	005.0	AA 05600	
	FATAP	FATAP	010	IAF	IF		FB					
	FATAP	KEREY	020		TF		FB	1.0	128.2(138.2T)	025.1	AA 05600	
	HOMEX	HOMEX	010	IAF	IF		FB					
	HOMEX	KEREY	020		TF		FB	1.0	283.7(293.7T)	012.3	AA 05600	
		KEREY	010	FACF	IF		FB				AA 05600	
		TIBQU	020	FAF	TF		FB	0.5	214.2(224.2T)	007.0	AA 04900	
		RW21	030	MAP	TF		FO	0.3	214.2(224.2T)	005.0	AT 03305	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		214.2(224.2T)		AA 03497	
	GUADO	050		DF		FB				AA 08000	
	LANIC	060		TF		FO	1.0	168.8(178.8T)		AA 08000	
	LANIC	070		HM	R	FO		210.0(220.0T)	007.0	AA 08000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CNM	N321523.81	W1041333.74	N3215.397	W10413.562
	FATAP	N324742.53	W1042518.10	N3247.709	W10425.302
	GUADO	N321306.47	W1042335.09	N3213.108	W10423.585
	HOMEX	N322358.70	W1035213.99	N3223.978	W10352.233
	KEREY	N322854.57	W1040530.73	N3228.910	W10405.512
	LANIC	N320524.66	W1042323.97	N3205.411	W10423.400
	TIBQU	N322353.21	W1041116.47	N3223.887	W10411.275
	RW21	N322017.29	W1041523.60	N3220.288	W10415.393

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	03247	58



CITY AND STATE	ELEVATION: 3295 THRE: 3247 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CARLSBAD, NM	CAVERN CITY AIR TRML	RNAV	RNAV (GPS) RWY 21, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 08/05/2004

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MINES	ONE	MINES1.MINES	NONE		22 AUGUST 2013

TYPE: RNAV OBSTACLE

DP ROUTE DESCRIPTION:

TAKEOFF RWY 36: CLIMB HEADING 357.97 TO 6500 THEN DIRECT ZOKPU, THEN ON TRACK 050.94 TO YANKU. THENCE...

...MAINTAIN 14000 OR ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

RWY 18, NA – TERRAIN
RWY 36, STANDARD
NOTE: GPS REQUIRED
NOTE: RNAV-1

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 36, POLE 34 FT FROM DER, 338 FT LEFT OF CENTERLINE, 8 FT AGL/5942 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 36 - 9440 FT MSL AAO 395603.10N/1154911.40W, 9968 FT MSL AAO 395207.20N/1154812.40W.

LOST COMMUNICATIONS PROCEDURES:

QUALITY CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MINES	ONE	MINES1.MINES	NONE		22 AUGUST 2013

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: K05U 13E EPOCH YR: 2010
DME/DME ASSESSMENT : NOT CONDUCTED
DEPARTURE ROUTE DEVELOPED USING LEVEL 1 CRITERIA.

AIRPORTS SERVED:

EUREKA, EUREKA, NV.

COMMUNICATIONS:

CTAF, ZLC, RCO (RENO RADIO), NORCAL DEP CON 119.2/279.55

FIXES AND/OR NAVAIDS:



U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MINES	ONE	MINES1.MINES	NONE		22 AUGUST 2013

REMARKS:

NOTE: 15 FT VEGETATION USED PER FPT.CHECK LIST..

FLIGHT INSPECTED BY:

James M. Meek 2/20/13

DEVELOPED BY:

JOHN WALKER AJV-354 07/19/2012

APPROVED BY:

DEZ SILAGYI AJV-354 JUN 26 2013

COORDINATED WITH:

AOPA, NBAA, ZSE, APT MGR

REQUIRED EFFECTIVE DATE:

CONCURENT WITH AIRSPACE DOCKET 12-AWP-5

CHANGES:

ORIG

REASONS:

FPT AND ATC REQUEST

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MINES	ONE	MINES1.MINES	NONE		22 AUGUST 2013

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RWY 36 (AER)	393538.11N/1160021.85W	N	-	-	-	-			
6500 MSL		-	-	VA	010.97	-			
ZOKPU	401025.72N/1155608.92W	Y	FB	DF	-	-			
YANKU	402022.08N/1152939.53W	Y	FB	TF	063.94	22.58	AT/ABOVE 14000		

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MINES (RNAV)	ONE	MINES1.MINES	NONE		22 AUGUST 2013

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   YANKU K20    C   L N40201840W115293721                    E0131     NAR          YANKU
         SUSAEAENRT   ZOKPU K20    W     N40102572W115560892                    E0132     NAR          ZOKPU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP 05U K2A05U     0     073YHN39361350W116001300E013005958         1800018000C    MNAR    EUREKA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP 05U K2DMINES14RW36  010         0        VA                    3580       + 06500     18000
         SUSAP 05U K2DMINES14RW36  020ZOKPUK2EA0E    010DF
         SUSAP 05U K2DMINES14RW36  030YANKUK2EA0EE   010TF                    05090226   + 14000

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP 05U K2GRW36    0073003580 N39353811W116002185-0300    +17953059580000040060V
```

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MINES (RNAV)	ONE	MINES1.MINES	NONE		22 AUGUST 2013

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW36		010		VA		FB		358.0()		AA 06500	
	RW36	ZOKPU	020		DF		FB	1.0				
	RW36	YANKU	030		TF		FB	1.0	050.9()	022.6	AA 14000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	YANKU	N402018.40	W1152937.21	N4020.307	W11529.620
	ZOKPU	N401025.72	W1155608.92	N4010.429	W11556.149
	RW36	N393538.11	W1160021.85	N3935.635	W11600.364

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	05958	40

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SIKEE	FESGO (FB)	211.28 / 23.40	13100
JEBEG	FESGO (FB)	239.11 / 22.21	13100
FESGO (IAF)	ZIGBI (FB)	178.05 / 15.00	10700
ZIGBI (IF)	SAYOT (FB)	178.01 / 8.99	7900
SAYOT (FAF)	RW18 (MAP) (FO)	177.99 / 6.01	
RW18 (MAP)	6358 MSL	177.99	
(SEE FORM 8260-10)			

MISSED APPROACH

LP: RW18
LNAV: RW18

CLIMBING RIGHT TURN TO 14000 DIRECT LECED AND ON TRACK 138.00 TO RAPYO AND ON TRACK 048.19 TO INGOL AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 141.49 INBOUND.
FAS OBST: 6109 AAO 393956N/1155841W
FAS OBST: 6114 AAO 393956N/1155840W
CHART VDP AT 1.18 MILES TO RW18
WAAS CHANNEL # 42732
REFERENCE PATH ID: W18A
SAYOT TO RW18: 3.00/45.
LTP HAE: 1789.7 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ZIGBI
3. FAC: 177.99 FAF: SAYOT DIST FAF TO MAP: 6.01 THLD: 6.01
4. MIN. ALT: ZIGBI 10700, SAYOT 7900
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM: RW18 11900

MAG VAR: 13E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
*LP MDA	6360	1	420	6360	1	420	6360	1 1/8	420	6360	1 1/8	420			
LP MDA	7660	1 1/4	1720	7660	1 1/2	1720	7660	3	1720	7660	3	1720			
*LNAV MDA	6380	1	440	6380	1	440	6380	1 1/4	440	6380	1 1/4	440			
LNAV MDA	7820	1 1/4	1880	7820	1 1/2	1880	7820	3	1880	7820	3	1880			
CIRCLING	7820	1 1/4	1862	7820	1 1/2	1862	7820	3	1862	7820	3	1862			

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 390 FEET PER NM TO 9200.

@ CAT A, B 1900-2, CAT C, D 1900-3

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5958 THRE: 5940	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
EUREKA, NV	AIRPORT NAME: EUREKA	RNAV	RNAV (GPS) RWY 18, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
6358 MSL	LECED (FB)		
LECED	RAPYO (FB)	138.00 / 9.00	
RAPYO	INGOL (FO)	48.19 / 49.38	14000

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5958 THRE: 5940	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EUREKA, NV	AIRPORT NAME: EUREKA	RNAV	RNAV (GPS) RWY 18, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	05U
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	393648.9120N
LTP/FTP LONGITUDE	1160004.1140W
LTP/FTP ELLIPSOIDAL HEIGHT	+17897
FPAP LATITUDE	393521.3600N
FPAP LONGITUDE	1160026.0400W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	C21C2440

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+18104
FPAP ORTHOMETRIC HEIGHT	+18104

QUALITY 3 CHECKED

CITY AND STATE	ELEVATION: 5958 THRE: 5940	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EUREKA, NV	AIRPORT NAME: EUREKA	RNAV	RNAV (GPS) RWY 18, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FESGO K20    W     N40061718W115523769                    E0131     NAR          FESGO
        SUSAEAENRT   INGOL K20    C   L N39402907W115044593                    E0128     NAR          INGOL
        SUSAEAENRT   JEBEG K20    C   L N40131026W115250482                    E0130     NAR          JEBEG
        SUSAEAENRT   LECED K20    W     N39244641W116062586                    E0130     NAR          LECED
        SUSAEAENRT   RAPYO K20    W     N39165357W116004870                    E0130     NAR          RAPYO
        SUSAEAENRT   SAYOT K20    W     N39424340W115583514                    E0131     NAR          SAYOT
        SUSAEAENRT   SIKEE K20    C   L N40230484W115312042                    E0131     NAR          SIKEE
        SUSAEAENRT   ZIGBI K20    W     N39513313W115562170                    E0131     NAR          ZIGBI

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 05U K2A05U     0     073YHN39361350W116001300E013005958          1800018000C    MNAR    EUREKA

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 05U K2FR18   AJEBEG 010JEBEGK2EA0E       IF                                                18000                A JS
        SUSAP 05U K2FR18   AJEBEG 020FESGOK2EA0E  A 020TF                      23910222    + 13100                              A JS
        SUSAP 05U K2FR18   AJEBEG 030ZIGBIK2EA0EE B 010TF                      17810150    + 10700                              A JS
        SUSAP 05U K2FR18   ASIKEE 010SIKEEK2EA0E       IF                                                18000                A JS
        SUSAP 05U K2FR18   ASIKEE 020FESGOK2EA0E  A 020TF                      21130234    + 13100                              A JS
        SUSAP 05U K2FR18   ASIKEE 030ZIGBIK2EA0EE B 010TF                      17810150    + 10700                              A JS
        SUSAP 05U K2FR18   R      010ZIGBIK2EA0E  I    IF                                  + 10700     18000                    A JS
        SUSAP 05U K2FR18   R      020SAYOTK2EA1E  F 051TF                      17800090    + 07900                RW18  K2PGA JS
        SUSAP 05U K2FR18   R      020SAYOTK2EA2WALP       N          ALNAV                                                    JS
        SUSAP 05U K2FR18   R      030RW18 K2PG0GY M 031TF                      17800060      05985          -300               A JS
        SUSAP 05U K2FR18   R      040        0  M     CA                      1780        + 06358                              A JS
        SUSAP 05U K2FR18   R      050LECEDK2EA0E   R   DF                                                                     A JS
        SUSAP 05U K2FR18   R      060RAPYOK2EA0E    010TF                     1380                                             A JS
        SUSAP 05U K2FR18   R      070INGOLK2EA0EY   010TF                     0482        + 14000                              A JS
        SUSAP 05U K2FR18   R      080INGOLK2EA0EE  R   HM                     14150080    + 14000                              A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 05U K2GRW18    0073001780 N39364891W116000411+0300    +17897059400000045060R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
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CITY AND STATE	ELEVATION: 5958 THRE: 5940 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
EUREKA, NV	EUREKA	RNAV	RNAV (GPS) RWY 18, ORIG 22 AUGUST 2013	AMDT: NONE DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
SUSAP 05U K2PR18   RW18 001 0000W18A0N3936489120W11600041140+178970300N3935213600W116002604001067505280000450F400000C21C2440
SUSAP 05U K2PR18   RW18 002E      +18104+18104LP        42732

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
SUSAP 05U K2SRW18 K2PG              0   18018011925                                                                          M
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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	JEBEG	JEBEG	010		IF		FB					
	JEBEG	FESGO	020	IAF	TF		FB	2.0	239.1(252.1T)	022.2	AA 13100	
	JEBEG	ZIGBI	030		TF		FB	1.0	178.1(191.1T)	015.0	AA 10700	
	SIKEE	SIKEE	010		IF		FB					
	SIKEE	FESGO	020	IAF	TF		FB	2.0	211.3(224.3T)	023.4	AA 13100	
	SIKEE	ZIGBI	030		TF		FB	1.0	178.1(191.1T)	015.0	AA 10700	
		ZIGBI	010	FACF	IF		FB				AA 10700	
		SAYOT	020	FAF	TF		FB	0.5	178.0(191.0T)	009.0	AA 07900	
		RW18	030	MAP	TF		FO	0.3	178.0(191.0T)	006.0	AT 05985	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		178.0(191.0T)		AA 06358	
	LECED	050		DF	R	FB					
	RAPYO	060		TF		FB	1.0	138.0(151.0T)			
	INGOL	070		TF		FO	1.0	048.2(061.2T)		AA 14000	
	INGOL	080		HM	R	FO		141.5(154.5T)	008.0	AA 14000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FESGO	N400617.18	W1155237.69	N4006.286	W11552.628
	INGOL	N394029.07	W1150445.93	N3940.485	W11504.766
	JEBEG	N401310.26	W1152504.82	N4013.171	W11525.080
	LECED	N392446.41	W1160625.86	N3924.774	W11606.431
	RAPYO	N391653.57	W1160048.70	N3916.893	W11600.812
	SAYOT	N394243.40	W1155835.14	N3942.723	W11558.586
	SIKEE	N402304.84	W1153120.42	N4023.081	W11531.340
	ZIGBI	N395133.13	W1155621.70	N3951.552	W11556.362
	RW18	N393648.91	W1160004.11	N3936.815	W11600.069

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	05940	45

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: **5958** THRE: **5940**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
EUREKA, NV	AIRPORT NAME: **EUREKA**	**RNAV**	**RNAV (GPS) RWY 18, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
EUREKA, NV	EUREKA	22 AUGUST 2013	ORIG

TAKEOFF MINIMUMS:

RWY 18: NA – TERRAIN

TEXTUAL DEPARTURE PROCEDURES:

RWY 36: USE MINES (RNAV) DEPARTURE

TAKEOFF OBSTACLE NOTES:

CONTROLLING OBSTACLES:

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
EUREKA, NV	EUREKA	22 AUGUST 2013	ORIG

REMARKS:

FLIGHT INSPECTED BY:

James M. Meek 2/20/13

REQUIRED EFFECTIVE DATE:

CONCURENT WITH AIRSPACE DOCKET 12-AWP-5

DEVELOPED BY:

JOHN WALKER AJV-354 07/12/2012

APPROVED BY:

DEZ SILAGYI AJV-354 JUN 26 2013

COORDINATED WITH:

AOPA, NBAA, RCO, ZLC, ARPT MGR,

CHANGES:

ORIG

REASONS:

FPT AND ATC REQUEST FOR RNAV ODP.

QUALITY 3 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: NA

CATEGORY ====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 22 AUGUST 2013

QUALITY OBJECTIVES

CITY AND STATE	ELEVATION: 4733 TDZE: 4729	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
LAKEVIEW, OR	AIRPORT NAME: LAKE COUNTY	GPS	GPS RWY 34, ORIG-A, 10/15/1996	AMDT ORIG
				DATE 11/09/1995

FAA FORM 8260-5 / April 2006 (computer generated)

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CHOIR	FASAB (FO)	337.35 / 52.43	10500
LKV VORTAC (IAF)	FASAB (NOPT) (FB)	127.87 / 7.88	9000
FASAB (IF/IAF)	ZIKEX (FB)	166.26 / 4.42	7600
ZIKEX	YOCKU (FB)	166.26 / 2.84	6700
YOCKU (FAF)	BEPVE/2.50 NM TO RW17 (FB)	166.26 / 3.50	
BEPVE/2.50 NM TO RW17	RW17 (MAP) (FO)	166.26 / 2.50	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

CLIMB TO 11000 DIRECT EYIGO AND ON TRACK 151.94 TO CHOIR AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N FASAB, RT, 166.26 INBOUND, 9000 FT. IN LIEU OF PT (IAF)
3. FAC: 166.26 FAF: YOCKU DIST FAF TO MAP: 6.00 THLD: 6.00
4. MIN. ALT: FASAB 9000, ZIKEX 7600, YOCKU 6700, BEPVE/2.50 NM TO RW17 5580*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 6700 GS ALT AT: YOCKU 6700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR
8. MSA FROM: RW17 9700

ADDITIONAL FLIGHT DATA:
HOLD NW, LT, 153.44 INBOUND.
CHART FAS OBST: 4849 TREE 421136N/1202444W
DISTANCE TO THLD FROM 250 HATH: 0.61 NM.
CHART VDP AT 0.98 MILES TO RW17*
*LNAV ONLY.
WAAS CHANNEL # 93532
REFERENCE PATH ID: W17A
LTP HAE: 1421.5 M

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD

CATEGORY ====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	4983	3/4	250	4983	3/4	250	4983	3/4	250	4983	3/4	250			
LNAV/VNAV DA	5138	1 3/8	405	5138	1 3/8	405	5138	1 3/8	405	5138	1 3/8	405			
LNAV MDA	5100	1	367	5100	1	367	5100	1	367	5100	1	367			
CIRCLING	5160	1	427	5200	1	467	5200	1 1/2	467	5320	2	587			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C (-11F) OR ABOVE 48C (119F).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LKV VORTAC ON V122 SOUTHWEST BOUND.

QUALITY DIRECTED

CITY AND STATE	ELEVATION: 4733 THRE: 4733 AIRPORT NAME:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LAKEVIEW, OR	LAKE COUNTY		RNAV (GPS) RWY 17, ORIG 22 AUGUST 2013	AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW17 (MAP)	4983 MSL	166.26	
4983 MSL	EYIGO (FB)		
EYIGO	CHOIR (FO)	151.94 / 33.28	11000

CITY AND STATE	ELEVATION: 4733 THRE: 4733	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LAKEVIEW, OR	AIRPORT NAME: LAKE COUNTY	RNAV	RNAV (GPS) RWY 17, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above alport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLKV
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	421008.2400N
LTP/FTP LONGITUDE	1202356.5225W
LTP/FTP ELLIPSOIDAL HEIGHT	+14215
FPAP LATITUDE	420837.1100N
FPAP LONGITUDE	1202357.0600W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1128
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	A356890F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+14426
FPAP ORTHOMETRIC HEIGHT	+14426

QUALITY

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD        LKV   K1011200VTHA N42293426W120302558     N42293426W120302558E0190074602      NARLAKEVIEW

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BEPVE K10    W     N42123630W120235560                      E0148     NAR          BEPVE
        SUSAEAENRT   CHOIR K20    C   L N41313095W120131320                      E0146     NAR          CHOIR
        SUSAEAENRT   EYIGO K10    W     N42034939W120235882                      E0148     NAR          EYIGO
        SUSAEAENRT   FASAB K10    W     N42232200W120235165                      E0149     NAR          FASAB
        SUSAEAENRT   YOCKU K10    W     N42160652W120235432                      E0148     NAR          YOCKU
        SUSAEAENRT   ZIKEX K10    W     N42185693W120235328                      E0148     NAR          ZIKEX

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KLKVK1ALKV      0     053YHN42094000W120235670E014004733          1800018000C    MNAR     LAKE COUNTY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KLKVK1FR17   ACHOIR 010CHOIRK2EA0E        IF                                          18000                  A JS
        SUSAP KLKVK1FR17   ACHOIR 020FASABK1EA0EY    020TF                      33740524    + 10500                        A JS
        SUSAP KLKVK1FR17   ACHOIR 030FASABK1EA0EE AR    HF                     16630070    + 09000                        A JS
        SUSAP KLKVK1FR17   ALKV   010LKV  K1D 0V  A     IF                                          18000                  A JS
        SUSAP KLKVK1FR17   ALKV   020FASABK1EA0EE B 010TF                      12790079    + 09000                        A JS
        SUSAP KLKVK1FR17   R      010FASABK1EA0E  I     IF                                    + 09000  18000            A JS
        SUSAP KLKVK1FR17   R      011ZIKEXK1EA0E S  051TF                      16630044    + 07600                        A JS
        SUSAP KLKVK1FR17   R      020YOCKUK1EA1E  F 051TF                      16630028    + 06700              RW17  K1PGA JS
        SUSAP KLKVK1FR17   R      020YOCKUK1EA2WALPV        ALNAV/VNAV ALNAV                                              JS
        SUSAP KLKVK1FR17   R      021BEPVEK1EA0E S  031TF                      16630035    V 0558005584    -300          A JS
        SUSAP KLKVK1FR17   R      030RW17 K1PGOGY M 031TF                      16630025      04788         -300          A JS
        SUSAP KLKVK1FR17   R      040          0  M     CA                     1663        + 04983                        A JS
        SUSAP KLKVK1FR17   R      050EYIGOK1EA0E        DF                                                               A JS
        SUSAP KLKVK1FR17   R      060CHOIRK2EA0EY    010TF                     1519        + 11000                        A JS
        SUSAP KLKVK1FR17   R      070CHOIRK2EA0EE  L    HM                    15340070    + 11000                        A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KLKVK1GRW17    0053181663 N42100624W120235652-0200    +14215047330000551O0R
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 4733 THRE: 4733	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKEVIEW, OR	AIRPORT NAME: **LAKE COUNTY**	**RNAV**	**RNAV (GPS) RWY 17, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
     ------------------------------------------------------------------------------------------------------------------------------------
     SUSAP KLKVK1PR17    RW17 001 0000W17A0N4210062400W12023565225+142150300N4208371100W120235706001067511280005 0P400500A356890F
     SUSAP KLKVK1PR17    RW17 002E       +14426+14426LPV       93532

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
     ------------------------------------------------------------------------------------------------------------------------------------
     SUSAP KLKVK1SRW17 K1PG              0   18018009725                                                                        M
```

CITY AND STATE	ELEVATION: 4733 THRE: 4733	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKEVIEW, OR	AIRPORT NAME: **LAKE COUNTY**	**RNAV**	**RNAV (GPS) RWY 17, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CHOIR	CHOIR	010		IF		FB					
	CHOIR	FASAB	020		TF		FO	2.0	337.4(351.4T)	052.4	AA 10500	
	CHOIR	FASAB	030	IAF	HF	R	FO		166.3(180.3T)	007.0	AA 09000	
	LKV	LKV	010	IAF	IF		FB					
	LKV	FASAB	020		TF		FB	1.0	127.9(141.9T)	007.9	AA 09000	
		FASAB	010	FACF	IF		FB				AA 09000	
		ZIKEX	011	SDF	TF		FB	0.5	166.3(180.3T)	004.4	AA 07600	
		YOCKU	020	FAF	TF		FB	0.5	166.3(180.3T)	002.8	AA 06700	
		BEPVE	021	SDF	TF		FB	0.3	166.3(180.3T)	003.5	AA 05580	GS 05584
		RW17	030	MAP	TF		FO	0.3	166.3(180.3T)	002.5	AT 04788	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		166.3(180.3T)		AA 04983	
	EYIGO	050		DF		FB					
	CHOIR	060		TF		FO	1.0	151.9(165.9T)		AA 11000	
	CHOIR	070		HM	L	FO		153.4(167.4T)	007.0	AA 11000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LKV	N422934.26	W1203025.58	N4229.571	W12030.426
	BEPVE	N421236.30	W1202355.60	N4212.605	W12023.927
	CHOIR	N413130.95	W1201313.20	N4131.516	W12013.220
	EYIGO	N420349.39	W1202358.82	N4203.823	W12023.980
	FASAB	N422322.00	W1202351.65	N4223.367	W12023.861
	YOCKU	N421606.52	W1202354.32	N4216.109	W12023.905
	ZIKEX	N421856.93	W1202353.28	N4218.949	W12023.888
	RW17	N421006.24	W1202356.52	N4210.104	W12023.942

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	04733	55

CHECK A

CITY AND STATE	ELEVATION: 4733 THRE: 4733 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKEVIEW, OR	**LAKE COUNTY**	**RNAV**	**RNAV (GPS) RWY 17, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LKV VORTAC	NUSME (FO)	154.42 / 36.57	9800
CHOIR (IAF)	NUSME (NOPT) (FB)	332.06 / 22.87	9800
NUSME (IF/IAF)	WIPUL (FB)	331.98 / 7.26	7500
WIPUL	EYIGO (FB)	331.96 / 3.15	6500
EYIGO (FAF)	SABPO/1.20 NM TO RW35 (FB)	346.26 / 4.20	
SABPO/1.20 NM TO RW35	RW35 (MAP) (FO)	346.26 / 1.20	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

CLIMB TO 5200 THEN CLIMBING LEFT TURN TO 11000 DIRECT NUSME AND ON TRACK 151.98 TO CHOIR AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, LT, 153.44 INBOUND.
CHART FAS OBST: 4824 TREE 420648N/1202445W
DISTANCE TO THLD FROM 250 HATH: 0.61 NM.
WAAS CHANNEL # 99332
REFERENCE PATH ID: W35A
LTP HAE: 1418.6 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE NUSME, RT, 331.98 INBOUND, 9800 FT. IN LIEU OF PT (IAF)
3. FAC: 346.26 FAF: EYIGO DIST FAF TO MAP: 5.40 THLD: 5.40
4. MIN. ALT: NUSME 9800, WIPUL 7500, EYIGO 6500, SABPO/1.20 NM TO RW35 5160*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 6500 GS ALT AT: EYIGO 6500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR
8. MSA FROM: RW35 9700

MAG VAR: 14E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	4974	3/4	260	4974	3/4	250	4974	3/4	250		NA				
LNAV/VNAV DA	5116	1 1/4	392	5116	1 1/4	392	5116	1 1/4	392		NA				
LNAV MDA	5080	1	356	5080	1	356	5080	1	356		NA				
CIRCLING	5160	1	427	5200	1	467	5200	1 1/2	467		NA				

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C (-11F) OR ABOVE 54C (130F).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4733 THRE: 4724 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LAKEVIEW, OR	LAKE COUNTY	RNAV	RNAV (GPS) RWY 35, ORIG 22 AUGUST 2013	AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW35 (MAP)	5200 MSL	346.26	5200
5200 MSL	NUSME (FB)		
NUSME	CHOIR (FO)	151.98 / 22.87	11000

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON LKV VORTAC AIRWAY RADIALS 067 CW 231.
*LNAV ONLY
CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 235 KIAS UNTIL NUSME.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4733 THRE: 4724	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LAKEVIEW, OR	AIRPORT NAME: LAKE COUNTY	RNAV	RNAV (GPS) RWY 35, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above alport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLKV
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	420913.7150N
LTP/FTP LONGITUDE	1202356.8360W
LTP/FTP ELLIPSOIDAL HEIGHT	+14186
FPAP LATITUDE	421042.8500N
FPAP LONGITUDE	1202356.3000W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1128
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	9A7E8BAC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+14398
FPAP ORTHOMETRIC HEIGHT	+14398

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4733 THRE: 4724	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LAKEVIEW, OR	AIRPORT NAME: LAKE COUNTY	RNAV	RNAV (GPS) RWY 35, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAD        LKV   K1011200VTHA N42293426W120302558    N42293426W120302558E0190074602     NARLAKEVIEW

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   CHOIR K20    C   L N41313095W120131320                    E0146     NAR           CHOIR
         SUSAEAENRT   EYIGO K10    W     N42034939W120235882                    E0148     NAR           EYIGO
         SUSAEAENRT   NUSME K20    W     N41534318W120203571                    E0147     NAR           NUSME
         SUSAEAENRT   SABPO K10    W     N42080169W120235728                    E0148     NAR           SABPO
         SUSAEAENRT   WIPUL K10    W     N42004570W120225716                    E0148     NAR           WIPUL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KLKVK1ALKV      0     053YHN42094000W120235670E014004733          1800018000C    MNAR     LAKE COUNTY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KLKVK1FR35   ACHOIR 010CHOIRK2EA0E  A     IF                                          18000                  A JS
         SUSAP KLKVK1FR35   ACHOIR 020NUSMEK2EA0EE B 010TF                  33210229     + 09800                          A JS
         SUSAP KLKVK1FR35   ALKV   010LKV  K1D 0V        IF                                          18000                  A JS
         SUSAP KLKVK1FR35   ALKV   020NUSMEK2EA0EY   020TF                 15440366     + 09800                          A JS
         SUSAP KLKVK1FR35   ALKV   030NUSMEK2EA0EE AR   HF                 33200070     + 09800                          A JS
         SUSAP KLKVK1FR35   R      010NUSMEK2EA0E  I     IF                             + 09800     18000                A JS
         SUSAP KLKVK1FR35   R      011WIPULK1EA0E S  051TF                 33200073     + 07500                          A JS
         SUSAP KLKVK1FR35   R      020EYIGOK1EA1E  F 051TF                 33200032     + 06500                RW35  K1PGA JS
         SUSAP KLKVK1FR35   R      020EYIGOK1EA2WALPV       ALNAV/VNAV ALNAV                                              JS
         SUSAP KLKVK1FR35   R      021SABPOK1EA0E S  031TF                 34630042     V 0516005161      -300        A JS
         SUSAP KLKVK1FR35   R      030RW35 K1PGOGY M 031TF                 34630012       04779           -300        A JS
         SUSAP KLKVK1FR35   R      040          0  M     CA                3463         + 05200                          A JS
         SUSAP KLKVK1FR35   R      050NUSMEK2EA0E    L   DF                                                           A JS
         SUSAP KLKVK1FR35   R      060CHOIRK2EA0EY   010TF                 1520         + 11000                          A JS
         SUSAP KLKVK1FR35   R      070CHOIRK2EA0EE   L   HM                15340070     + 11000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KLKVK1GRW35     0053183463 N42091372W120235684+0200     +14186047240000055100R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4733 THRE: 4724	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKEVIEW, OR	AIRPORT NAME: **LAKE COUNTY**	**RNAV**	**RNAV (GPS) RWY 35, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KLKVK1PR35   RW35 001 0000W35A0N4209137150W12023568360+141860300N4210428500W120235630001067511280005S0F4005009A7E8BAC
        SUSAP KLKVK1PR35   RW35 002E      +14398+14398LPV       99332

                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KLKVK1SRW35 K1PG              0   18018009725                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4733 THRE: 4724	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKEVIEW, OR	AIRPORT NAME: LAKE COUNTY	RNAV	RNAV (GPS) RWY 35, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CHOIR	CHOIR	010	IAF	IF		FB					
	CHOIR	NUSME	020		TF		FB	1.0	332.1(346.1T)	022.9	AA 09800	
	LKV	LKV	010		IF		FB					
	LKV	NUSME	020		TF		FO	2.0	154.4(168.4T)	036.6	AA 09800	
	LKV	NUSME	030	IAF	HF	R	FO		332.0(346.0T)	007.0	AA 09800	
		NUSME	010	FACF	IF		FB				AA 09800	
		WIPUL	011	SDF	TF		FB	0.5	332.0(346.0T)	007.3	AA 07500	
		EYIGO	020	FAF	TF		FB	0.5	332.0(346.0T)	003.2	AA 06500	
		SABPO	021	SDF	TF		FB	0.3	346.3(000.3T)	004.2	AA 05160	GS 05161
		RW35	030	MAP	TF		FO	0.3	346.3(000.3T)	001.2	AT 04779	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		346.3(000.3T)		AA 05200	
	NUSME	050		DF	L	FB					
	CHOIR	060		TF		FO	1.0	152.0(166.0T)		AA 11000	
	CHOIR	070		HM	L	FO		153.4(167.4T)	007.0	AA 11000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LKV	N422934.26	W1203025.58	N4229.571	W12030.426
	CHOIR	N413130.95	W1201313.20	N4131.516	W12013.220
	EYIGO	N420349.39	W1202358.82	N4203.823	W12023.980
	NUSME	N415343.18	W1202035.71	N4153.720	W12020.595
	SABPO	N420801.69	W1202357.28	N4208.028	W12023.955
	WIPUL	N420045.70	W1202257.16	N4200.762	W12022.953
	RW35	N420913.72	W1202356.84	N4209.229	W12023.947

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	04724	55

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 4733 THRE: 4724 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKEVIEW, OR	**LAKE COUNTY**	**RNAV**	**RNAV (GPS) RWY 35, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
LAKEVIEW, OR	LAKE COUNTY	22 AUGUST 2013	3

TAKEOFF MINIMUMS:

RWY 17: STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 6900, OR 2600-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 35: STANDARD WITH MINIMUM CLIMB OF 270 FT PER NM TO 7600, OR 2600-3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 17: CLIMBING RIGHT TURN HEADING 310 TO INTERCEPT LKV VORTAC R-158 TO LKV VORTAC. DO NOT EXCEED 240 KIAS UNTIL ESTABLISHED ON THE LKV VORTAC R-158. OR FOR CLIMB IN VISUAL CONDITIONS, CROSS LAKE COUNTY AIRPORT AT OR ABOVE 7200, THEN PROCEED ON LKV VORTAC R-147 TO LKV VORTAC. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE. THENCE...

RWY 35: CLIMB HEADING 351.26 TO INTERCEPT LKV VORTAC R-130 TO LKV VORTAC, OR FOR CLIMB IN VISUAL CONDITIONS, CROSS LAKE COUNTY AIRPORT AT OR ABOVE 7200, THEN PROCEED ON LKV VORTAC R-147 TO LKV VORTAC. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE. THENCE...

...CONTINUE CLIMB IN HOLDING PATTERN (HOLD NW, RT, 148.44 INBOUND) TO CROSS LKV VORTAC AT OR ABOVE 9700.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, RUNWAY END IDENTIFIER LIGHTS BEGINNING 35 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 2 FT AGL/4726 FT MSL.

CONTROLLING OBSTACLES:

RWY 17:
7379 FT MSL AAO 422252.85N/1203144.65W

RWY 35:
7039 FT MSL AAO 422126.51N/1202651.21W

RWY 17/35 (VCOA):
6851 FT MSL AAO 420913.15N/1201757.58W

RWY 17/35 - OBSTACLE MANDATING ODP ROUTE DEVELOPMENT:
8656 FT MSL AAO 420350.50N/1201415.90W

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
LAKEVIEW, OR	LAKE COUNTY	22 AUGUST 2013	3

REMARKS:

RWY 17 AIRSPEED RESTRICTION EXISTS PER ATC REQUEST OF KEEPING AIRCRAFT CLEAR OF SUA

100 FT VEGETATION HEIGHT USED PER FPT.

FLIGHT INSPECTED BY: Thomas Molokie 12/3/12

REQUIRED EFFECTIVE DATE: ROUTINE

DEVELOPED BY: PETER GETZ (WES COMBS) AJV-354 10/9/2012

APPROVED BY: DEBORAH COPELAND AJV-354 JUN 20 2013

COORDINATED WITH:

AOPA, NBAA, ALPA, ZSE, AMGR, WST FPT

CHANGES:

1. RWY 16 CHANGED TO RWY 17, RWY 34 CHANGED TO RWY 35
2. RWY 17 TAKEOFF MINIMUMS CHANGED FROM "3700-5 OR STD WITH A MINIMUM CLIMB OF 320 FT PER NM TO 8800" TO "STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 6900, OR 2600-3 FOR CLIMB IN VISUAL CONDITIONS."
3. RWY 35 TAKEOFF MINIMUMS CHANGED FROM "2500-5 OR STD WITH A MINIMUM CLIMB OF 320 FT PER NM TO 8500" TO "RWY 35: STANDARD WITH MINIMUM CLIMB OF 270 FT PER NM TO 7600, OR 2600-3 FOR CLIMB IN VISUAL CONDITIONS"
4. RWY 17 TEXTUAL DP CHANGED FROM "CLIMBING RIGHT TURN VIA LKV R-163 TO LKV VORTAC" TO "CLIMBING RIGHT TURN HEADING 310 TO INTERCEPT LKV VORTAC R-158 TO LKV VORTAC. DO NOT EXCEED 240 KIAS UNTIL ESTABLISHED ON THE LKV VORTAC R-158. OR FOR CLIMB IN VISUAL CONDITIONS, CROSS LAKE COUNTY AIRPORT AT OR ABOVE 7200, THEN PROCEED ON LKV VORTAC R-147 TO LKV VORTAC. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE. THENCE..."
5. RWY 35 TEXTUAL DP CHANGED FROM "CLIMBING LEFT TURN HEADING 320 TO INTERCEPT LKV R-148 THEN VIA LKV R-148 TO LKV VORTAC" TO "CLIMB HEADING 351.26 TO INTERCEPT LKV VORTAC R-130 TO LKV VORTAC, OR FOR CLIMB IN VISUAL CONDITIONS, CROSS LAKE COUNTY AIRPORT AT OR ABOVE 7200, THEN PROCEED ON LKV VORTAC R-147 TO LKV VORTAC. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE. THENCE..."
6. ALL AIRCRAFT INSTRUCTION CHANGED FROM "CONTINUE CLIMBING IN THE LKV VORTAC HOLDING PATTERN (NW, RT, 148 INBOUND) TO MEA FOR ROUTE OF FLIGHT" TO "CONTINUE CLIMB IN HOLDING PATTERN (HOLD NW, RT, 148.44 INBOUND) TO CROSS LKV VORTAC AT OR ABOVE 9700"
7. TAKEOFF OBSTACLE NOTES CHANGED

REASONS:

1. MAGVAR ROTATION
2-5. NEW OBSTACLE ASSESSMENT. VCOA ADDED WITH ATC CONCURRENCE
6. MEA NOT USED BECAUSE OIS IS CLEAR IN ALL DIRECTIONS UPON REACHING MINIMUM CIH ALTITUDE
7. NEW RUNWAY SURVEY

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BTG VORTAC	EXRAY/I-FKO 12.47 DME	292.89 / 18.96	3400
EXRAY/I-FKO 12.47 DME (IF/IAF)	RIXUQ/I-FKO 7.73 DME	151.65 / 4.74 (I-FKO)	2200
RIXUQ/I-FKO 7.73 DME	EDUME/I-FKO 6.46 DME	151.65 / 1.27 (I-FKO)	1900

MISSED APPROACH

MAP: I-FKO 0.93 DME FIX

CLIMBING LEFT TURN TO 3000 ON HEADING 020 AND ON BTG VORTAC R-293 TO EXRAY/I-FKO 12.47 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 175 TREE 454659N/1225146W
660 AAO 455034N/1225256W.
EDUME TO RW15: 3.07/41
CHART IN PLANVIEW ONLY: BTG 18.96 DME AT EXRAY
CHART CIRCLING ICON

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW EXRAY, RT, 151.65 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC 151.65 FAF EDUME/I-FKO 6.46 DME DIST FAF TO MAP ____ THLD 5.53
4. MIN. ALT EXRAY 3000, RIXUQ 2200, EDUME 1900, HOXIB/I-FKO 4.40 DME 1200
8. MSA FROM: BTG VORTAC 120-310 3500, 310-120 6200

MAG VAR: 17E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: NA | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-15	660	1	602	660	1	602	660	1 3/4	602	660	1 3/4	602			
CIRCLING	660	1	602	660	1	602	660	1 3/4	602	860	2 1/2	802			

NOTES:

CHART NOTE: CIRCLING NA W OF RWY 15-31.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PORTLAND INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FT; INCREASE S-15 CAT C/D VISIBILITY AND CIRCLING CAT C VISIBILITY 1/8 MILE; (SEE FORM 8260-10)

@ CAT D 900-2 1/2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 58 THRE: 58	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
SCAPPOOSE, OR	AIRPORT NAME: SCAPPOOSE INDUSTRIAL AIRPARK	I-FKO	LOC/DME RWY 15, AMDT 3 22 AUGUST 2013	AMDT 2
				DATE 12/15/2011

FAA FORM 8260-5 / April 2006 (computer generated)

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NOTES, (CONT.):
CAT D VISIBILITY 1/4 MILE.
CHART NOTE: RWY 15 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.



CITY AND STATE	ELEVATION: 58 THRE: 58	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SCAPPOOSE, OR	AIRPORT NAME: **SCAPPOOSE INDUSTRIAL AIRPARK**	**I-FKO**	**LOC/DME RWY 15, AMDT 3** 22 AUGUST 2013	AMDT: **2**
				DATED: **12/15/2011**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - LOC

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        BTG   K1011660VTHW N45445212W122352953    N45445163W122353227E0210002532     NARBATTLE GROUND
        SUSAD KSPBK1 IFKO  K1011110 IT                    IFKON45454532W122513867     000380     NARSCAPPOOSE INDUSTRIAL AIRPARK

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EDUME K10    R     N45520559W122532309                    E0160     NAR           EDUME
        SUSAEAENRT   EXRAY K10    R     N45575905W122550500                    E0161     NAR           EXRAY
        SUSAEAENRT   HOXIB K10    R     N45500471W122524834                    E0160     NAR           HOXIB
        SUSAEAENRT   RIXUQ K10    R     N45532031W122534460                    E0160     NAR           RIXUQ

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSPBK1ASPB     0     051YHN45461570W122514260E017000058         1800018000C    MNAR    SCAPPOOSE INDUSTRIAL AIRPARK

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSPBK1FL15   ABTG   010BTG  K1D 0V      IF                                          18000                 0 DS
        SUSAP KSPBK1FL15   ABTG   020EXRAYK1EA0EY      TF                              + 03400                           0 DS
        SUSAP KSPBK1FL15   ABTG   030EXRAYK1EA0EE AR   HF IFKOK1      3317012515l7T010PI  + 03000                           0 DS
        SUSAP KSPBK1FL15   L      010EXRAYK1EA0E  I    IF IFKOK1      33170125        PI  + 03000     18000                 0 DS
        SUSAP KSPBK1FL15   L      011RIXUQK1EA0E S     CF IFKOK1      3317007715200047PI  + 02200                           0 DS
        SUSAP KSPBK1FL15   L      020EDUMEK1EA0E  F    CF IFKOK1      3317006515200013PI  + 01900                BTG   K1D 0 DS
        SUSAP KSPBK1FL15   L      021HOXIBK1EA0E S     CF IFKOK1      3317004415200021PI  + 01200           -307             0 DS
        SUSAP KSPBK1FL15   L      030RW15 K1PG0GY M    CF IFKOK1      3317000915200035PI    00099           -307             0 DS
        SUSAP KSPBK1FL15   L      040          0  M     CA                    1517        + 00458                           0 DS
        SUSAP KSPBK1FL15   L      050          0    L   VIY                   0200                                          0 DS
        SUSAP KSPBK1FL15   L      060EXRAYK1EA0EY      CF BTG K1      29290190293001l0D   + 03000                           0 DS
        SUSAP KSPBK1FL15   L      070EXRAYK1EA0EE  R   HM                    1517T010    + 03000                           0 DS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSPBK1GRW15     0051001517 N45464041W122514965-0600     -0004800058000054100RIFKO0

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSPBK1IIFKO0   011110RW15 N45454594W1225134031517                0528     0600   E0170
```

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 58 THRE: 5	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SCAPPOOSE, OR	AIRPORT NAME: **SCAPPOOSE INDUSTRIAL AIRPARK**	**I-FKO**	**LOC/DME RWY 15, AMDT 3** 22 AUGUST 2013	AMDT: **2**
				DATED: **12/15/2011**

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```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSPBK1SBTG  K1D               0   1303000622530013003525                                                    M
```

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 58 THRE: 5	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SCAPPOOSE, OR	AIRPORT NAME: SCAPPOOSE INDUSTRIAL AIRPARK	I-FKO	LOC/DME RWY 15, AMDT 3 22 AUGUST 2013	AMDT: 2
				DATED: 12/15/2011

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BTG	BTG	010		IF		FB					
	BTG	EXRAY	020		TF		FO				AA 03400	
	BTG	EXRAY	030	IAF	HF	R	FO		151.7()	T01.0	AA 03000	
		EXRAY	010	FACF	IF		FB				AA 03000	
		RIXUQ	011	SDF	CF		FB		152.0()	004.7	AA 02200	
		EDUME	020	FAF	CF		FB		152.0()	001.3	AA 01900	
		HOXIB	021	SDF	CF		FB		152.0()	002.1	AA 01200	
		RW15	030	MAP	CF		FO		152.0()	003.5	AT 00099	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		151.7()		AA 00458	
		050		VI	L	FB		020.0()			
	EXRAY	060		CF		FO		293.0()	013.0	AA 03000	
	EXRAY	070		HM	R	FO		151.7()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BTG	N454452.12	W1223529.53	N4544.869	W12235.492
	IFKO (DME)	N454545.32	W1225138.67	N4545.755	W12251.645
	EDUME	N455205.59	W1225323.09	N4552.093	W12253.385
	EXRAY	N455759.05	W1225505.00	N4557.984	W12255.083
	HOXIB	N455004.71	W1225248.34	N4550.079	W12252.806
	RIXUQ	N455320.31	W1225344.60	N4553.339	W12253.743
	RW15	N454640.41	W1225149.65	N4546.674	W12251.828
	IFKO (LOC)	N454545.94	W1225134.03	N4545.766	W12251.567

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW15	00058	54

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 58 THRE: 5	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SCAPPOOSE, OR	AIRPORT NAME: SCAPPOOSE INDUSTRIAL AIRPARK	I-FKO	LOC/DME RWY 15, AMDT 3 22 AUGUST 2013	AMDT: 2 DATED: 12/15/2011

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
SIOUX FALLS, SD	JOE FOSS FIELD	22 AUGUST 2013	8

TAKEOFF MINIMUMS:

RWY 3, 9, 15, 21, 27 STANDARD.

RWY 33, 200 - 1 1/4 OR STANDARD WITH A MINIMUM CLIMB OF 343 FT PER NM TO 1700.

TEXTUAL DEPARTURE PROCEDURES:

RWY 3 - CLIMB HEADING 029.89 TO 2300 BEFORE TURNING EASTBOUND.

RWY 9 - CLIMB HEADING 098.17 TO 2000, THEN LEFT TURN DIRECT FSD VORTAC, CONTINUE CLIMB IN FSD VORTAC HOLDING PATTERN (HOLD NW, LEFT TURNS, 147.00 INBOUND) TO CROSS FSD VORTAC AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

RWY 15 - CLIMB HEADING 149.94 TO 2000, THEN RIGHT TURN DIRECT FSD VORTAC, CONTINUE CLIMB IN FSD VORTAC HOLDING PATTERN (HOLD NW, LEFT TURNS 147.00 INBOUND) TO CROSS FSD VORTAC AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

RWY 21 - CLIMB HEADING 209.90 TO 2200 BEFORE TURNING EASTBOUND.

RWY 27 - CLIMB HEADING 278.17 TO 2300 BEFORE TURNING EASTBOUND.

RWY 33 - CLIMB HEADING 329.95 TO 2300 BEFORE TURNING EASTBOUND.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 3, VEHICLES ON ROAD 20 FT FROM DER, 448 FT LEFT OF CENTERLINE, 21 FT AGL/1441 FT MSL. LIGHT SUPPORT 24 FT FROM DER, 85 FT LEFT OF CENTERLINE, 11 FT AGL/1431 FT MSL. TREES BEGINNING 1200 FT FROM DER, 682 FT LEFT OF CENTERLINE, UP TO 42 FT AGL/1462 FT MSL. TREES BEGINNING 2085 FT FROM DER, 908 FT RIGHT OF CENTERLINE, UP TO 64 FT AGL/1493 FT MSL.

NOTE: RWY 9, VEHICLES ON ROAD BEGINNING 50 FT FROM DER, 474 FT LEFT OF CENTERLINE, 18 FT AGL/1438 FT MSL. MULTIPLE POLES BEGINNING 1257 FT FROM DER, 22 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/1476 FT MSL. NAVAID AND WINDSOCK BEGINNING 324 FT FROM DER, 460 FT RIGHT OF CENTERLINE, UP TO 13 FT AGL/1433 FT MSL. MULTIPLE POLES BEGINNING 1806 FT FROM DER, 136 FT RIGHT OF CENTERLINE, UP TO 55 FT AGL/1475 FT MSL. CRANE, BUILDINGS, ANTENNA ON BUILDING, TREES, AND MULTIPLE TRANSMISSION TOWERS BEGINNING 1949 FT FROM DER, 462 FT RIGHT OF CENTERLINE, UP TO 122 FT AGL/1562 FT MSL.

NOTE: RWY 15, LIGHT SUPPORT 10 FT FROM DER, 39 FT LEFT OF CENTERLINE, 4 FT AGL/1424 FT MSL. MULTIPLE POLES, BUILDINGS, TREES, AND TRANSMISSION TOWERS BEGINNING 553 FT FROM DER, 220 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1559 FT MSL. VEHICLES ON ROAD BEGINNING 194 FT FROM DER, 551 FT RIGHT OF CENTERLINE, 16 FT AGL/1436 FT MSL. MULTIPLE POLES AND TREES BEGINNING 1330 FT FROM DER, 19 FT RIGHT OF CENTERLINE, UP TO 88 FT AGL/1536 FT MSL.

NOTE: RWY 21, SIGN 7 FT FROM DER, 304 FT LEFT OF CENTERLINE, 6 FT AGL/1426 FT MSL. VEHICLES ON ROAD 393 FT FROM DER, 531 FT LEFT OF CENTERLINE, 15 FT AGL/1435 FT MSL. MULTIPLE TREES BEGINNING 866 FT FROM DER, 149 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1529 FT MSL. VEHICLES ON ROAD 385 FT FROM DER, 456 FT RIGHT OF CENTERLINE, 17 FT AGL/1437 FT MSL. MULTIPLE TREES BEGINNING 424 FT FROM DER, 25 FT RIGHT OF CENTERLINE, UP TO 84 FT AGL/1504 FT MSL.

NOTE: RWY 27, SIGN 27 FT FROM DER, 240 FT RIGHT OF CENTERLINE, 5 FT AGL/1425 FT MSL. TREES BEGINNING 1423 FT FROM DER, 793 FT RIGHT OF CENTERLINE, UP TO 76 FT AGL/1496 FT MSL. NAVAIDS BEGINNING 1818 FT FROM DER, 831 FT LEFT OF CENTERLINE, 50 FT AGL/1471 FT MSL. TREES BEGINNING 2158 FT FROM DER, 386 FT LEFT OF CENTERLINE, UP TO 76 FT AGL/1496 FT MSL.

NOTE: RWY 33, NAVAID 34 FT FROM DER, 115 FT RIGHT OF CENTERLINE, 11 FT AGL/1431 FT MSL. MULTIPLE POLES AND TREES BEGINNING 3491 FT FROM DER, 15 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1579 FT MSL. NAVAID 34 FT FROM DER, 115 FT LEFT OF CENTERLINE, 11 FT AGL/1431 FT MSL. VEHICLES ON ROAD BEGINNING 116 FT FROM DER, 496 FT LEFT OF CENTERLINE, 21 FT AGL/1441 FT MSL. TANK, NAVAIDS, POLES, TREES, AND TOWERS BEGINNING 2295 FT FROM DER, 80 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1610 FT MSL.

CONTROLLING OBSTACLES:

RWY 33: 1585 FT MSL TOWER 433604.00N/0964518.00W, 1610 FT MSL TREE 433619.64N/0964535.17W, 1594 FT MSL TREE 433623.81N/0964547.21W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 3/9/15/21/27/33 - 3426 FT MSL TOWER 433018.00N/0963323.00W.



TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
SIOUX FALLS, SD	JOE FOSS FIELD	22 AUGUST 2013	8

REMARKS:

FLIGHT INSPECTED BY:

Edward W. Mesa 5/30/13

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

DAVID DANNER AJV-353 12/12/2012

APPROVED BY:

LARRY STROUT AJV-353 6.21.13

COORDINATED WITH:

ATA, ALPA, AOPA, NBAA, AMGR, ZMP, FSD ATCT, FSD APP CON

CHANGES:

1. ADDED LOW CLOSE IN OBS FOR RWY 3.
2. UPDATED LOW CLOSE IN OBS FOR ALL RUNWAYS.
3. RWY 9 CLIMB HEADING CHANGED FROM 098.18 TO 098.17.
4. REMOVED RWY 15 CEILING, VIS, AND CLIMB GRADIENT.
5. RWY 27 HEADING CHANGED FROM 278.19 TO 278.17.
6. RWY 27 CLIMB TO ALTITUDE RAISED FROM 2100 TO 2300.
7. RWY 33 CLIMB TO ALTITUDE RAISED FROM 2200 TO 2300.
8. ADDED CLIMB IN HOLD INSTRUCTIONS FOR RWY 9 AND 15.

REASONS:

1/2. UPDATED SURVEY DATA.
3. RUNWAY ALIGNMENT.
4. UPDATED SURVEY DOES NOT SHOW AN OBSTACLE THAT WOULD REQUIRE CEILING/VIS AND CLIMB GRADIENT.
5. RUNWAY ALIGNMENT.
6/7. TO CLEAR OBSTACLES.
8. CLIMB TO AIRWAY MEA ALTITUDE.

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 22 AUGUST 2013

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MC MINNVILLE, TN	**ELEVATION: 1032** **TDZE: 1026** AIRPORT NAME: **WARREN COUNTY MEMORIAL**	**GPS**	**GPS RWY 23, ORIG, 06/15/2000**	AMDT **NONE**
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____
4. MIN. ALT
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 22 AUGUST 2013

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MC MINNVILLE, TN	**ELEVATION: 1032 TDZE: 1026** AIRPORT NAME: **WARREN COUNTY MEMORIAL**	**I-RNC**	**LOC RWY 23, AMDT 1, 01/20/2005**	AMDT **NONE** DATE

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WILGU (IF/IAF)	YUCBA (FB)	232.67 / 5.00	2800
YUCBA (FAF)	RW23 (MAP) (FO)	232.62 / 5.41	
RW23 (MAP)	1276 MSL	232.62	
1276 MSL	ZOVRI (FO)		3900

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

CLIMB TO 3900 DIRECT ZOVRI AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 052.46 INBOUND.
CHART FAS OBST: 1191 COMMUNICATION TWR
354203N/0854921W
DISTANCE TO THLD FROM 250 HATH: 0.63 NM.
WAAS CHANNEL # 99433
REFERENCE PATH ID: W23A
CHART CIRCLING ICON.
LTP HAE: 283.9 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE WILGU, RT, 232.67 INBOUND, 3900 FT. IN LIEU OF PT (IAF)
3. FAC: 232.62 FAF: YUCBA DIST FAF TO MAP: 5.41 THLD: 5.41
4. MIN. ALT: WILGU 3900, YUCBA 2800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: YUCBA 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 2W EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1276	1	250	1276	1	250	1276	1	250	1276	1	250			
LNAV/VNAV DA	1423	1 3/8	397	1423	1 3/8	397	1423	1 3/8	397	1423	1 3/8	397			
LNAV MDA	1460	1	434	1460	1	434	1460	1 1/4	434	1460	1 1/4	434			
CIRCLING	1520	1	488	1600	1	568	1600	1 1/2	568	1680	2	648			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING UPPER CUMBERLAND RGNL ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 1032 THRE: 1026	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MC MINNVILLE, TN	AIRPORT NAME: WARREN COUNTY MEMORIAL		RNAV (GPS) RWY 23, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED

NOTES, (CONT.):
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE UPPER CUMBERLAND RGNL ALTIMETER SETTING AND INCREASE ALL DA 62 FT AND MDA 80 FT. INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C AND D VISIBILITY 1/8 MILE, AND INCREASE CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	143/30 CW 323/30 (NOPT)	143/5 CW 323/5	4900
2.	143/5 CW 323/5	WILGU (IF/IAF) (FB)	3900
3.	323/30 CW 143/30	323/5 CW 143/5	4600
4.	323/5 CW 143/5	WILGU (IF/IAF) (FO)	3900

QUALITY CHECKED 11

CITY AND STATE	ELEVATION: 1032 THRE: 1026	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MC MINNVILLE, TN	AIRPORT NAME: WARREN COUNTY MEMORIAL	RNAV	RNAV (GPS) RWY 23, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRNC
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	354209.1965N
LTP/FTP LONGITUDE	0855017.0530W
LTP/FTP ELLIPSOIDAL HEIGHT	+02839
FPAP LATITUDE	354112.5125N
FPAP LONGITUDE	0855141.5360W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	29FDABF8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+03128
FPAP ORTHOMETRIC HEIGHT	+03128

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1032 THRE: 1026	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MC MINNVILLE, TN	AIRPORT NAME: WARREN COUNTY MEMORIAL	RNAV	RNAV (GPS) RWY 23, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   WILGU K70    W     N35484618W085402375                    W0042     NAR           WILGU
         SUSAEAENRT   YUCBA K70    W     N35453565W085450886                    W0041     NAR           YUCBA
         SUSAEAENRT   ZOVRI K70    W     N35350119W086005348                    W0039     NAR           ZOVRI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KRNCK7ARNC     0     050YHN35415535W085503774W002001032          1800018000C    MNAR    WARREN COUNTY MEMORIAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KRNCK7FR23   AWILGU 010WILGUK7EA0EE AR   HF                     23270040    + 03900     18000                A JS
         SUSAP KRNCK7FR23   R      010WILGUK7EA0E  I    IF                                 + 03900     18000                A JS
         SUSAP KRNCK7FR23   R      020YUCBAK7EA1E  F 051TF                     23270050    + 02800                          A JS
         SUSAP KRNCK7FR23   R      020YUCBAK7EA2WALPV       ALNAV/VNAV ALNAV                                                JS
         SUSAP KRNCK7FR23   R      030RW23 K7PG0GY M 031TF                     23260054      01076           -300           A JS
         SUSAP KRNCK7FR23   R      040          0  M     CA                     2326        + 01276                          A JS
         SUSAP KRNCK7FR23   R      050ZOVRIK7EA0EY       DF                                 + 03900                          A JS
         SUSAP KRNCK7FR23   R      060ZOVRIK7EA0EE  R    HM                     05250040    + 03900                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KRNCK7GRW23     0050002326 N35420920W085501705+0100     +02839010260290501O0R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890I234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KRNCK7PR23   RW23 001 0000W23A0N3542091965W08550170530+028390300N3541125125W085514153601067513120005O0F40050029FDABF8
         SUSAP KRNCK7PR23   RW23 002E       +03128+03128LPV       99433
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 1032 THRE: 1026	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MC MINNVILLE, TN	AIRPORT NAME: **WARREN COUNTY MEMORIAL**	**RNAV**	**RNAV (GPS) RWY 23, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	WILGU	WILGU	010	IAF	HF	R	FO		232.7(230.7T)	004.0	AA 03900	
		WILGU	010	FACF	IF		FB				AA 03900	
		YUCBA	020	FAF	TF		FB	0.5	232.7(230.7T)	005.0	AA 02800	
		RW23	030	MAP	TF		FO	0.3	232.6(230.6T)	005.4	AT 01076	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		232.6(230.6T)		AA 01276	
	ZOVRI	050		DF		FO				AA 03900	
	ZOVRI	060		HM	R	FO		052.5(050.5T)	004.0	AA 03900	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	WILGU	N354846.18	W0854023.75	N3548.770	W08540.396
	YUCBA	N354535.65	W0854508.86	N3545.594	W08545.148
	ZOVRI	N353501.19	W0860053.48	N3535.020	W08600.891
	RW23	N354209.20	W0855017.05	N3542.153	W08550.284

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23	01026	50

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1032 THRE: 1026	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MC MINNVILLE, TN	AIRPORT NAME: WARREN COUNTY MEMORIAL	RNAV	RNAV (GPS) RWY 23, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
GALVESTON, TX	SCHOLES INTL AT GALVESTON	22 AUGUST 2013	5

TAKEOFF MINIMUMS:

RWY 14, 18, 32, 36: STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 32: CLIMB HEADING 318.12 TO 800 BEFORE TURING LEFT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 14, BUILDING 2614 FT FROM DER, 376 FT RIGHT OF CENTERLINE, 76 FT AGL/81 FT MSL.
NOTE: RWY 18, BUILDINGS BEGINNING 2560 FT FROM DER, 284 FT LEFT OF CENTERLINE, UP TO 121 FT AGL/178 FT MSL. T-L TOWER 636 FT FROM DER, 551 FT RIGHT OF CENTERLINE, 55 FT AGL/60 FT MSL. TREES AND POLES BEGINNING 50 FT FROM DER, 75 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/65 FT MSL.
NOTE: RWY 32, CRANE 4434 FT FROM DER, 1081 FT LEFT OF CENTERLINE, 131 FT AGL/ 131 FT MSL.
NOTE: RWY 36, BUSH 419 FT FROM DER, 577 FT LEFT OF CENTERLINE, 12 FT AGL/17 FT MSL. TREE 526 FT FROM DER, 371 FT LEFT OF CENTERLINE, 14 FT AGL/19 FT MSL. TREES BEGINNING 713 FT FROM DER, 383 FT RIGHT OF CENTERLINE, UP TO 27 FT AGL/32 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLE MANDATING ROUTE DEVELOPMENT: RWY 32 - 2013 FT MSL TOWER, 291800.65N-0950640.27W

QUALITY CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
GALVESTON, TX	SCHOLES INTL AT GALVESTON	22 AUGUST 2013	5

REMARKS:

BOAT HEIGHTS USED PER FPO:
BAYSIDE 30 FT, CLOSEST POINT 2500 FT FROM THRESHOLD.
GULF SIDE 50 FT, CLOSEST POINT 6000 FT FROM THRESHOLD.

FLIGHT INSPECTED BY:

Zack Smyer 6/5/13

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

GRACE NOWAK AJV-353 12/26/2012

APPROVED BY:

LARRY STROUT AJV-353 6.25.13

COORDINATED WITH:

ALPA, AOPA, NBAA, ZHU, HOU APP CON, AMGR

CHANGES:

1. RUNWAY NUMBERS CHANGED FROM 13/31 TO 14/32 AND 17/35 TO 18/36.
2. DELETED CEILING, VISIBILITY, AND MINIMUM CLIMB GRADIENT FOR RUNWAY 18.
3. ADDED DEPARTURE ROUTE INSTRUCTIONS FOR RUNWAY 32.
4. UPDATED TAKEOFF OBSTACLE NOTES.

REASONS:

1. MAG VAR CHANGED PER AVNIS DATED 7/26/2012.
2. OBSTACLE NO LONGER EXISTS.
3. CALCULATIONS AND RUNWAY NUMBER CHANGE.
4. OBSTACLE DATABASE HAS BEEN UPDATED.

QUALITY 5 CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
KAHAN	JUBSU (FB)	149.62 / 19.46	3000
JUBSU (IAF)	LIYIS (FB)	229.43 / 10.00	3000
NELEE (IAF)	LIYIS (FB)	310.76 / 18.79	3000
LIYIS (IF)	UCEPU (FB)	319.36 / 6.80	1800
UCEPU (FAF)	YUGUB/1.90 NM TO RW32 (FB)	319.33 / 2.13	
YUGUB/1.90 NM TO RW32	RW32 (MAP) (FO)	319.33 / 1.90	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

CLIMB TO 3000 DIRECT HISIK AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT LIYIS
3. FAC: 319.33 FAF: UCEPU DIST FAF TO MAP: 4.03 THLD: 4.03
4. MIN. ALT: LIYIS 3000, UCEPU 1800, YUGUB/1.90 NM TO RW32 1120*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: UCEPU 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR
8. MSA FROM: RW32 2600

ADDITIONAL FLIGHT DATA:
HOLD NW, LT, 139.24 INBOUND.
CHART FAS OBST: 613 TOWER 273054N/0992651W
779 AAO 272905N/0992418W
DISTANCE TO THLD FROM 250 HATH: 0.63 NM.
CHART VDP AT 1.07 MILES TO RW32*
*LNAV ONLY.
WAAS CHANNEL # 86633
REFERENCE PATH ID: W32A
CHART CIRCLING ICON.
LTP HAE: 118.4 M

MAG VAR: 8E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	717	3/4	250	717	3/4	250	717	3/4	250	717	3/4	250	717	3/4	250
LNAV/VNAV DA	761	1	294	761	1	294	761	1	294	761	1	294	761	1	294
LNAV MDA	880	1	413	880	1	413	880	1 1/8	413	880	1 1/8	413	880	1 1/8	413
CIRCLING	960	1	452	980	1	472	1100	1 1/2	592	1200	2 1/4	692	1240	2 1/2	732

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).
CHART NOTE: CIRCLING NA WEST OF RWYS 14 AND 35L.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

@ CAT D 800-2 1/4, CAT E 800-2 1/2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 508 THRE: 467 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LAREDO, TX	LAREDO INTL	RNAV	RNAV (GPS) RWY 32, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 12/20/2007

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW32 (MAP)	717 MSL	319.33	
717 MSL	HISIK (FO)		3000

NOTES, (CONT.):
*LNAV ONLY
CHART NOTE: VDP AND BARO-VNAV NA WITH HEBBRONVILLE ALTIMETER SETTING.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KAHAN ON V17 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NELEE ON V17 SOUTHEAST BOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HEBBRONVILLE ALTIMETER SETTING AND INCREASE ALL DA 115 FEET AND ALL MDA 120 FEET, INCREASE VISIBILITY LPV ALL CATS 1/2 MILE, LNAV/VNAV ALL CATS 3/8 MILE, LNAV CATS C/D/E 3/8 MILE, CIRCLING CATS C/D/E 1/2 MILE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 508 THRE: 467	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LAREDO, TX	AIRPORT NAME: LAREDO INTL	RNAV	RNAV (GPS) RWY 32, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 12/20/2007

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLRD
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	273208.6350N
LTP/FTP LONGITUDE	0992724.6680W
LTP/FTP ELLIPSOIDAL HEIGHT	+01184
FPAP LATITUDE	273323.8300N
FPAP LONGITUDE	0992818.8100W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0944
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	270722D2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01425
FPAP ORTHOMETRIC HEIGHT	+01425

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 508 THRE: 467	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LAREDO, TX	AIRPORT NAME: LAREDO INTL	RNAV	RNAV (GPS) RWY 32, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 12/20/2007

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
WP
SUSAEAENRT   HISIK K40    W     N27423386W099345576                      E0053     NAR           HISIK
SUSAEAENRT   JUBSU K40    W     N27282428W099112238                      E0051     NAR           JUBSU
SUSAEAENRT   KAHAN K40    C   L N27462724W099194215                      E0051     NAR           KAHAN
SUSAEAENRT   LIYIS K40    W     N27230008W099205042                      E0052     NAR           LIYIS
SUSAEAENRT   NELEE K40    C   L N27085066W099065548                      E0050     NAR           NELEE
SUSAEAENRT   UCEPU K40    W     N27284467W099245793                      E0052     NAR           UCEPU
SUSAEAENRT   YUGUB K40    W     N27303243W099261542                      E0052     NAR           YUGUB

AIRPORT
SUSAP KLRDK4ALRD     0     087YHN27323910W099274170E008000508          1800018000C    MNAR    LAREDO INTL

SEGMENT
SUSAP KLRDK4FR32   AKAHAN 010KAHANK4EA0E       IF                                                18000                A JS
SUSAP KLRDK4FR32   AKAHAN 020JUBSUK4EA0E  A 020TF                     14960195    + 03000                              A JS
SUSAP KLRDK4FR32   AKAHAN 030LIYISK4EA0EE B 010TF                     22940100    + 03000                              A JS
SUSAP KLRDK4FR32   ANELEE 010NELEEK4EA0E  A   IF                                                18000                A JS
SUSAP KLRDK4FR32   ANELEE 020LIYISK4EA0EE B 010TF                     31080188    + 03000                              A JS
SUSAP KLRDK4FR32   R      010LIYISK4EA0E  I   IF                                  + 03000     18000                    A JS
SUSAP KLRDK4FR32   R      020UCEPUK4EA1E  F 051TF                     31940068    + 01800                RW32  K4PGA   JS
SUSAP KLRDK4FR32   R      020UCEPUK4EA2WALPV      ALNAV/VNAV ALNAV                                                     JS
SUSAP KLRDK4FR32   R      021YUGUBK4EA0E S  031TF                     31930021    V 0112001122      -300               A JS
SUSAP KLRDK4FR32   R      030RW32 K4PG0GY M 031TF                     31930019      00517           -300               A JS
SUSAP KLRDK4FR32   R      040         0 M     CA                      3193        + 00717                            A JS
SUSAP KLRDK4FR32   R      050HISIKK4EA0EY       DF                                + 03000                            A JS
SUSAP KLRDK4FR32   R      060HISIKK4EA0EE  L    HM                     13920070    + 03000                            A JS

RUNWAY
SUSAP KLRDK4GRW32     0059273193 N27320864W099272467+0600     +01184004670000501 50R

PP
SUSAP KLRDK4PR32   RW32 001 0000W32A0N273208635 0W0992724668 0+011840300N273323830 0W0992818810010675094400050 0F400500270722D2
SUSAP KLRDK4PR32   RW32 002E      +01425+01425LPV       86633
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 508 THRE: 467	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAREDO, TX	AIRPORT NAME: LAREDO INTL	RNAV	RNAV (GPS) RWY 32, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 12/20/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLRDK4SRW32 K4PG              0   18018002625                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 508 THRE: 467 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAREDO, TX	**LAREDO INTL**	**RNAV**	**RNAV (GPS) RWY 32, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **12/20/2007**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	KAHAN	KAHAN	010		IF		FB					
	KAHAN	JUBSU	020	IAF	TF		FB	2.0	149.6(157.6T)	019.5	AA 03000	
	KAHAN	LIYIS	030		TF		FB	1.0	229.4(237.4T)	010.0	AA 03000	
	NELEE	NELEE	010	IAF	IF		FB					
	NELEE	LIYIS	020		TF		FB	1.0	310.8(318.8T)	018.8	AA 03000	
		LIYIS	010	FACF	IF		FB				AA 03000	
		UCEPU	020	FAF	TF		FB	0.5	319.4(327.4T)	006.8	AA 01800	
		YUGUB	021	SDF	TF		FB	0.3	319.3(327.3T)	002.1	AA 01120 GS 01122	
		RW32	030	MAP	TF		FO	0.3	319.3(327.3T)	001.9	AT 00517	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		319.3(327.3T)		AA 00717	
	HISIK	050		DF		FO				AA 03000	
	HISIK	060		HM	L	FO		139.2(147.2T)	007.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HISIK	N274233.86	W0993455.76	N2742.564	W09934.929
	JUBSU	N272824.28	W0991122.38	N2728.405	W09911.373
	KAHAN	N274627.24	W0991942.15	N2746.454	W09919.703
	LIYIS	N272300.08	W0992050.42	N2723.001	W09920.840
	NELEE	N270850.66	W0990655.48	N2708.844	W09906.925
	UCEPU	N272844.67	W0992457.93	N2728.745	W09924.966
	YUGUB	N273032.43	W0992615.42	N2730.541	W09926.257
	RW32	N273208.64	W0992724.67	N2732.144	W09927.411

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	00467	50

QUALITY CHECKED

CITY AND STATE	ELEVATION: 508 THRE: 467 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAREDO, TX	**LAREDO INTL**	**RNAV**	**RNAV (GPS) RWY 32, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **12/20/2007**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
KAHAN	HUWLA (FB)	158.96 / 21.70	3000
HUWLA	WUGRO (FB)	194.74 / 7.00	3000
WUGRO (IAF)	SOSOC (FB)	264.71 / 10.00	3000
NELEE (IAF)	SOSOC (FB)	290.47 / 21.81	3000
SOSOC (IF)	JOBIX (FB)	354.56 / 6.84	2400
JOBIX (FAF)	WAMUT/2.10 NM TO RW35L (FB)	354.55 / 3.76	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35L

CLIMB TO 3000 DIRECT OVOSE AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, LT, 174.56 INBOUND.
CHART FAS OBST: 671 TWR (KLRDT1140) 273211N/0992818W
DISTANCE TO THLD FROM 200 HATH: 0.47 NM.
CHART VDP AT 1.27 MILES TO RW35L*
*LNAV ONLY.
WAAS CHANNEL # 77933
REFERENCE PATH ID: W35A
CHART CIRCLING ICON.
LTP HAE: 123.7 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT SOSOC
3. FAC: 354.55 FAF: JOBIX DIST FAF TO MAP: 5.86 THLD: 5.86
4. MIN. ALT: SOSOC 3000, JOBIX 2400, WAMUT/2.10 NM TO RW35L 1200*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2400 GS ALT AT: JOBIX 2400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 49.6 34:1 IS CLEAR
8. MSA FROM: RW35L 2600

MAG VAR: 8E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	685	3/4	200	685	3/4	200	685	3/4	200	685	3/4	200	685	3/4	200
LNAV/VNAV DA	832	1 1/8	347	832	1 1/8	347	832	1 1/8	347	832	1 1/8	347	832	1 1/8	347
LNAV MDA	940	1	455	940	1	455	940	1 3/8	455	940	1 3/8	455	940	1 3/8	455
CIRCLING	960	1	452	980	1	472	1100	1 1/2	592	1200	2 1/4	692	1240	2 1/2	732

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
CHART NOTE: VDP AND BARO-VNAV NA WITH HEBBRONVILLE ALTIMETER SETTING.
(SEE FORM 8260-10)

@ CAT D 800-2 1/4, CAT E 800-2 1/2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 508 THRE: 485 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LAREDO, TX	LAREDO INTL	RNAV	RNAV (GPS) RWY 35L, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED 09/25/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WAMUT/2.10 NM TO RW35L	RW35L (MAP) (FO)	354.55 / 2.10	
RW35L (MAP)	685 MSL	354.55	
685 MSL	OVOSE (FO)		3000

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HEBBRONVILLE ALTIMETER SETTING AND INCREASE ALL DA 115 FEET AND ALL MDA 120 FEET, INCREASE VISIBILITY LPV ALL CATS 1/4 MILE, LNAV/VNAV ALL CATS 3/8 MILE, LNAV CATS C/D/E 1/4 MILE, CIRCLING CATS C/D/E 1/2 MILE.

CHART NOTE: CIRCLING NA WEST OF RWYS 14 AND 35L.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KAHAN ON V17 NORTHBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NELEE ON V17 SOUTHEAST BOUND.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 508 THRE: 485 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LAREDO, TX	LAREDO INTL	RNAV	RNAV (GPS) RWY 35L, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED: 09/25/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLRD
RUNWAY	RW35L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	273158.0680N
LTP/FTP LONGITUDE	0992748.9860W
LTP/FTP ELLIPSOIDAL HEIGHT	+01237
FPAP LATITUDE	273327.3300N
FPAP LONGITUDE	0992744.5300W
THRESHOLD CROSSING HEIGHT (TCH)	00049.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0120
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	B60D3050

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01477
FPAP ORTHOMETRIC HEIGHT	+01477

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
LAREDO, TX	ELEVATION: 508 THRE: 485 AIRPORT NAME: LAREDO INTL	RNAV	RNAV (GPS) RWY 35L, AMDT 2 22 AUGUST 2013	SUP: AMDT: 1 DATED: 09/25/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   HUWLA K40    W     N27251511W099141201                      E0051     NAR           HUWLA
        SUSAEAENRT   JOBIX K40    W     N27260591W099280657                      E0052     NAR           JOBIX
        SUSAEAENRT   KAHAN K40    C   L N27462724W099194215                      E0051     NAR           KAHAN
        SUSAEAENRT   NELEE K40    C   L N27085066W099065548                      E0050     NAR           NELEE
        SUSAEAENRT   OVOSE K40    W     N27444255W099271058                      E0052     NAR           OVOSE
        SUSAEAENRT   SOSOC K40    W     N27191470W099282720                      E0052     NAR           SOSOC
        SUSAEAENRT   WAMUT K40    W     N27295184W099275529                      E0052     NAR           WAMUT
        SUSAEAENRT   WUGRO K40    W     N27184665W099171430                      E0051     NAR           WUGRO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLRDK4ALRD     0     087YHN27323910W099274170E008000508         1800018000C    MNAR     LAREDO INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLRDK4FR35L  AKAHAN 010KAHANK4EA0E       IF                                                18000                A JS
        SUSAP KLRDK4FR35L  AKAHAN 020HUWLAK4EA0E    020TF                      15900217    + 03000                              A JS
        SUSAP KLRDK4FR35L  AKAHAN 030WUGROK4EA0E  A 020TF                      19470070    + 03000                              A JS
        SUSAP KLRDK4FR35L  AKAHAN 040SOSOCK4EA0EE B 010TF                      26470100    + 03000                              A JS
        SUSAP KLRDK4FR35L  ANELEE 010NELEEK4EA0E  A    IF                                                18000                A JS
        SUSAP KLRDK4FR35L  ANELEE 020SOSOCK4EA0EE B 010TF                      29050218    + 03000                              A JS
        SUSAP KLRDK4FR35L  R      010SOSOCK4EA0E  I    IF                                 + 03000    18000                     A JS
        SUSAP KLRDK4FR35L  R      020JOBIXK4EA1E  F 051TF                      35460068    + 02400                RW35L K4PGA JS
        SUSAP KLRDK4FR35L  R      020JOBIXK4EA2WALPV      ALNAV/VNAV ALNAV                                                       JS
        SUSAP KLRDK4FR35L  R      021WAMUTK4EA0E S  031TF                      35460038    V 0120001203        -300               A JS
        SUSAP KLRDK4FR35L  R      030RW35LK4PG0GY M 031TF                      35460021      00534             -300               A JS
        SUSAP KLRDK4FR35L  R      040         0  M     CA                      3546        + 00685                              A JS
        SUSAP KLRDK4FR35L  R      050OVOSEK4EA0EY       DF                                + 03000                              A JS
        SUSAP KLRDK4FR35L  R      060OVOSEK4EA0EE  L    HM                      17460040    + 03000                              A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLRDK4GRW35L   0087433546 N27315807W099274899+0200    +0123700485012050150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLRDK4PR35L  RW35L001 0000W35A0N27315806800W09927489860+012370300N2733273300W099274453001067501200004 96F400350B60D3050
```

CITY AND STATE	ELEVATION: 508 THRE: 485	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAREDO, TX	AIRPORT NAME: **LAREDO INTL**	**RNAV**	**RNAV (GPS) RWY 35L, AMDT 2** 22 AUGUST 2013	AMDT: **1** DATED: **09/25/2008**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
SUSAP KLRDK4PR35L  RW35L002E      +01477+01477LPV       77933

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
SUSAP KLRDK4SRW35LK4PG                0   18018002625                                                                  M
```

QUALITY CHECKED A

CITY AND STATE	ELEVATION: 508 THRE: 485 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAREDO, TX	LAREDO INTL	RNAV	RNAV (GPS) RWY 35L, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED: 09/25/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	KAHAN	KAHAN	010		IF		FB					
	KAHAN	HUWLA	020		TF		FB	2.0	159.0(167.0T)	021.7	AA 03000	
	KAHAN	WUGRO	030	IAF	TF		FB	2.0	194.7(202.7T)	007.0	AA 03000	
	KAHAN	SOSOC	040		TF		FB	1.0	264.7(272.7T)	010.0	AA 03000	
	NELEE	NELEE	010	IAF	IF		FB					
	NELEE	SOSOC	020		TF		FB	1.0	290.5(298.5T)	021.8	AA 03000	
		SOSOC	010	FACF	IF		FB				AA 03000	
		JOBIX	020	FAF	TF		FB	0.5	354.6(002.6T)	006.8	AA 02400	
		WAMUT	021	SDF	TF		FB	0.3	354.6(002.6T)	003.8	AA 01200	GS 01203
		RW35L	030	MAP	TF		FO	0.3	354.6(002.6T)	002.1	AT 00534	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		354.6(002.6T)		AA 00685	
	OVOSE	050		DF		FO				AA 03000	
	OVOSE	060		HM	L	FO		174.6(182.6T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HUWLA	N272515.11	W0991412.01	N2725.252	W09914.200
	JOBIX	N272605.91	W0992806.57	N2726.099	W09928.110
	KAHAN	N274627.24	W0991942.15	N2746.454	W09919.703
	NELEE	N270850.66	W0990655.48	N2708.844	W09906.925
	OVOSE	N274442.55	W0992710.58	N2744.709	W09927.176
	SOSOC	N271914.70	W0992827.20	N2719.245	W09928.453
	WAMUT	N272951.84	W0992755.29	N2729.864	W09927.922
	WUGRO	N271846.65	W0991714.30	N2718.778	W09917.238
	RW35L	N273158.07	W0992748.99	N2731.968	W09927.817

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35L	00485	50



CITY AND STATE	ELEVATION: 508 THRE: 485 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAREDO, TX	LAREDO INTL	RNAV	RNAV (GPS) RWY 35L, AMDT 2 / 22 AUGUST 2013	AMDT: 1
				DATED: 09/25/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CAPRO	KUYKE (FB)	118.50 / 39.44	6000
WINNS	ZAPNA (FO)	188.03 / 32.24	6000
KUYKE (IAF)	ZAPNA (NOPT) (FB)	092.46 / 5.03	6000
TASNE (IAF)	ZAPNA (NOPT) (FB)	303.60 / 8.63	6000
ZAPNA (IF/IAF)	PEDSE (FB)	033.20 / 6.18	5300
PEDSE (FAF)	RW03 (MAP) (FO)	033.25 / 4.97	
RW03 (MAP)	4019 MSL	033.25	
4019 MSL	CONOG (FO)		6000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW03

CLIMB TO 6000 DIRECT CONOG AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 213.36 INBOUND.
CHART FAS OBST: 4005 TOWER 331041N/1025122W
CHART HOBBS AWOS-3
DISTANCE TO THLD FROM 342 HATH: 0.93 NM.
WAAS CHANNEL # 86334
REFERENCE PATH ID: W03A
CHART CIRCLING ICON.
LTP HAE: 1098.4 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW ZAPNA, RT, 033.20 INBOUND, 6000 FT. IN LIEU OF PT (IAF)
3. FAC: 033.25 FAF: PEDSE DIST FAF TO MAP: 4.97 THLD: 4.97
4. MIN. ALT: ZAPNA 6000, PEDSE 5300
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 5300 GS ALT AT: PEDSE 5300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM: RW03 5500

MAG VAR: 7E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	4019	1 1/8	342	4019	1 1/8	342		NA			NA				
LNAV/VNAV DA	4066	1 3/8	389	4066	1 3/8	389		NA			NA				
LNAV MDA	4400	1	723	4400	1	723		NA			NA				
CIRCLING	4400	1	695	4400	1	695		NA			NA				

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TASNE ON V102 SOUTHWEST BOUND.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 3705 THRE: 3677 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PLAINS, TX	YOAKUM COUNTY	RNAV	RNAV (GPS) RWY 3, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED 09/25/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: USE HOBBS ALTIMETER SETTING; WHEN NOT RECEIVED, USE SEMINOLE ALTIMETER SETTING:
INCREASE LPV DA TO 4060 AND VISIBILITY CATS A/B TO 1 1/4; INCREASE LNAV/VNAV DA TO 4107 AND VISIBILITY CATS A/B TO 1 1/2; INCREASE ALL MDAS 40 FEET, INCREASE LNAV AND CIRCLING CAT B VISIBILITY TO 1 1/4.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3705 THRE: 3677	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PLAINS, TX	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 3, AMDT 1	AMDT: ORIG
	YOAKUM COUNTY		22 AUGUST 2013	DATED: 09/25/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	F98
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	331244.1940N
LTP/FTP LONGITUDE	1024955.9470W
LTP/FTP ELLIPSOIDAL HEIGHT	+10984
FPAP LATITUDE	331352.2920N
FPAP LONGITUDE	1024847.2725W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	18CE751C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+11207
FPAP ORTHOMETRIC HEIGHT	+11207

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3705 THRE: 3677	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PLAINS, TX	AIRPORT NAME: YOAKUM COUNTY	RNAV	RNAV (GPS) RWY 3, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 09/25/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   CAPRO K20    R   L N33280500W103423777                  E0075     NAR           CAPRO
          SUSAEAENRT   CONOG K40    W     N33214657W102404796                  E0070     NAR           CONOG
          SUSAEAENRT   KUYKE K40    W     N33050237W103042467                  E0072     NAR           KUYKE
          SUSAEAENRT   PEDSE K40    W     N33085619W102534559                  E0071     NAR           PEDSE
          SUSAEAENRT   TASNE K40    C   L N32583506W102504271                  E0071     NAR           TASNE
          SUSAEAENRT   WINNS K40    R   L N33352492W102483377                  E0071     NAR           WINNS
          SUSAEAENRT   ZAPNA K40    W     N33041254W102583065                  E0071     NAR           ZAPNA

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP F98 K4AF98     0     050YHN33130190W102494830E007003705          1800018000C    MNAR    YOAKUM COUNTY

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP F98 K4FR03   ACAPRO 010CAPROK2EA0E       IF                                          18000                A JS
          SUSAP F98 K4FR03   ACAPRO 020KUYKEK4EA0E   A 020TF                  11850394    + 06000                      A JS
          SUSAP F98 K4FR03   ACAPRO 030ZAPNAK4EA0EE B 010TF                  09250050    + 06000                      A JS
          SUSAP F98 K4FR03   ATASNE 010TASNEK4EA0E   A    IF                                          18000            A JS
          SUSAP F98 K4FR03   ATASNE 020ZAPNAK4EA0EE B 010TF                  30360086    + 06000                      A JS
          SUSAP F98 K4FR03   AWINNS 010WINNSK4EA0E       IF                                          18000            A JS
          SUSAP F98 K4FR03   AWINNS 020ZAPNAK4EA0EY   020TF                  18800322    + 06000                      A JS
          SUSAP F98 K4FR03   AWINNS 030ZAPNAK4EA0EE AR   HF                  03320050    + 06000                      A JS
          SUSAP F98 K4FR03   R       010ZAPNAK4EA0E   I    IF                          + 06000     18000            A JS
          SUSAP F98 K4FR03   R       020PEDSEK4EA1E   F 051TF                  03320062    + 05300                RW03  K4PGA JS
          SUSAP F98 K4FR03   R       020PEDSEK4EA2WALPV       ALNAV/VNAV ALNAV                                            JS
          SUSAP F98 K4FR03   R       030RW03 K4PG0GY M 031TF                  03330050      03717          -300          A JS
          SUSAP F98 K4FR03   R       040          0  M     CA                  0333        + 04019                      A JS
          SUSAP F98 K4FR03   R       050CONOGK4EA0EY       DF                          + 06000                      A JS
          SUSAP F98 K4FR03   R       060CONOGK4EA0EE  R    HM                  21340050    + 06000                      A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP F98 K4GRW03     0050010333 N33124419W102495595+0600     +109840367700004O075R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP F98 K4PR03    RW03 001 0000W03A0N3312441940W10249559470+109840300N3313522920W10248472725106751224000400F40050018CE751C
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3705 THRE: 3677	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PLAINS, TX	AIRPORT NAME: **YOAKUM COUNTY**	**RNAV**	**RNAV (GPS) RWY 3, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **09/25/2008**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
      SUSAP F98 K4PR03    RW03 002E       +11207+11207LPV       86334

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
      ------------------------------------------------------------------------------------------------------------------------------
      SUSAP F98 K4SRW03 K4PG                 0    18018005525                                                              M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3705 THRE: 3677	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PLAINS, TX	AIRPORT NAME: YOAKUM COUNTY	RNAV	RNAV (GPS) RWY 3, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 09/25/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CAPRO	CAPRO	010		IF		FB					
	CAPRO	KUYKE	020	IAF	TF		FB	2.0	118.5(125.5T)	039.4	AA 06000	
	CAPRO	ZAPNA	030		TF		FB	1.0	092.5(099.5T)	005.0	AA 06000	
	TASNE	TASNE	010	IAF	IF		FB					
	TASNE	ZAPNA	020		TF		FB	1.0	303.6(310.6T)	008.6	AA 06000	
	WINNS	WINNS	010		IF		FB					
	WINNS	ZAPNA	020		TF		FO	2.0	188.0(195.0T)	032.2	AA 06000	
	WINNS	ZAPNA	030	IAF	HF	R	FO		033.2(040.2T)	005.0	AA 06000	
		ZAPNA	010	FACF	IF		FB				AA 06000	
		PEDSE	020	FAF	TF		FB	0.5	033.2(040.2T)	006.2	AA 05300	
		RW03	030	MAP	TF		FO	0.3	033.3(040.3T)	005.0	AT 03717	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		033.3(040.3T)		AA 04019	
	CONOG	050		DF		FO				AA 06000	
	CONOG	060		HM	R	FO		213.4(220.4T)	005.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CAPRO	N332805.00	W1034237.77	N3328.083	W10342.630
	CONOG	N332146.57	W1024047.96	N3321.776	W10240.799
	KUYKE	N330502.37	W1030424.67	N3305.040	W10304.411
	PEDSE	N330856.19	W1025345.59	N3308.937	W10253.760
	TASNE	N325835.06	W1025042.71	N3258.584	W10250.712
	WINNS	N333524.92	W1024833.77	N3335.415	W10248.563
	ZAPNA	N330412.54	W1025830.65	N3304.209	W10258.511
	RW03	N331244.19	W1024955.95	N3312.737	W10249.933

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03	03677	40

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3705 THRE: 3677	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PLAINS, TX	AIRPORT NAME: **YOAKUM COUNTY**	**RNAV**	**RNAV (GPS) RWY 3, AMDT 1** 22 AUGUST 2013	AMDT: **ORIG**
				DATED: **09/25/2008**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WINNS	ZUBAG (FB)	147.15 / 8.05	6000
ZUBAG (IAF)	CONOG (NOPT) (FB)	147.86 / 7.04	6000
RUKTE (IAF)	CONOG (NOPT) (FB)	303.01 / 11.26	6000
CONOG (IF/IAF)	ODNEE (FB)	213.36 / 6.13	5300
ODNEE (FAF)	YOKGU/2.00 NM TO RW21 (FB)	213.31 / 2.88	
YOKGU/2.00 NM TO RW21	RW21 (MAP) (FO)	213.31 / 2.00	
RW21 (MAP)	4047 MSL	213.31	
4047 MSL	ZAPNA (FO)		6000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW21

CLIMB TO 6000 DIRECT ZAPNA AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE CONOG, RT, 213.36 INBOUND, 6000 FT. IN LIEU OF PT (IAF)
3. FAC: 213.31 FAF: ODNEE DIST FAF TO MAP: 4.88 THLD: 4.88
4. MIN. ALT: CONOG 6000, ODNEE 5300, YOKGU/2.00 NM TO RW21 4380*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 5300 GS ALT AT: ODNEE 5300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW21 5500

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 033.20 INBOUND.
CHART FAS OBST: 3790 TOWER 331400N/1024805W
CHART HOBBS AWOS-3
DISTANCE TO THLD FROM 342 HATH: 0.95 NM.
WAAS CHANNEL # 99533
REFERENCE PATH ID: W21A
CHART CIRCLING ICON.
LTP HAE: 1106.8 M

MAG VAR: 7E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	4047	1 1/8	342	4047	1 1/8	342		NA			NA				
LNAV/VNAV DA	4047	1 1/8	342	4047	1 1/8	342		NA			NA				
LNAV MDA	4140	1	435	4140	1	435		NA			NA				
CIRCLING	4200	1	495	4260	1	555		NA			NA				

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: USE HOBBS ALTIMETER SETTING; WHEN NOT RECEIVED, USE SEMINOLE ALTIMETER SETTING: INCREASE LPV AND LNAV/VNAV DA TO 4088 AND CATS A/B VISIBILITY TO 1 3/8 MILE; INCREASE ALL MDAS 60 FT.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 3705 THRE: 3705 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PLAINS, TX	YOAKUM COUNTY	RNAV	RNAV (GPS) RWY 21, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED 09/25/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visiblilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WINNS ON V14 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RUTKE ON V102 NORTHEAST BOUND.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3705 THRE: 3705	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PLAINS, TX	AIRPORT NAME: YOAKUM COUNTY	RNAV	RNAV (GPS) RWY 21, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 09/25/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	F98
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	331321.9355N
LTP/FTP LONGITUDE	1024917.8930W
LTP/FTP ELLIPSOIDAL HEIGHT	+11068
FPAP LATITUDE	331213.8270N
FPAP LONGITUDE	1025026.5465W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	CC595777

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+11292
FPAP ORTHOMETRIC HEIGHT	+11292

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3705 THRE: 3705	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PLAINS, TX	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 21, AMDT 1	AMDT: ORIG
	YOAKUM COUNTY		22 AUGUST 2013	DATED: 09/25/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CONOG K40    W      N33214657W102404796                      E0070     NAR          CONOG
        SUSAEAENRT   ODNEE K40    W      N33170584W102453192                      E0070     NAR          ODNEE
        SUSAEAENRT   RUKTE K40    C    L N33143186W102303010                      E0069     NAR          RUKTE
        SUSAEAENRT   WINNS K40    R    L N33352492W102483377                      E0071     NAR          WINNS
        SUSAEAENRT   YOKGU K40    W      N33145365W102474538                      E0071     NAR          YOKGU
        SUSAEAENRT   ZAPNA K40    W      N33041254W102583065                      E0071     NAR          ZAPNA
        SUSAEAENRT   ZUBAG K40    W      N33280954W102442212                      E0070     NAR          ZUBAG

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP F98 K4AF98     0     050YHN33130190W102494830E007003705          18000018000C     MNAR     YOAKUM COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP F98 K4FR21   ACONOG 010CONOGK4EA0EE AR    HF                      21340050     + 06000      18000                 A JS
        SUSAP F98 K4FR21   ARUKTE 010RUKTEK4EA0E  A     IF                                               18000                 A JS
        SUSAP F98 K4FR21   ARUKTE 020CONOGK4EA0EE B 010TF                        30300113     + 06000                            A JS
        SUSAP F98 K4FR21   AWINNS 010WINNSK4EA0E       IF                                               18000                 A JS
        SUSAP F98 K4FR21   AWINNS 020ZUBAGK4EA0E  A 020TF                        14720081     + 06000                            A JS
        SUSAP F98 K4FR21   AWINNS 030CONOGK4EA0EE B 010TF                        14790070     + 06000                            A JS
        SUSAP F98 K4FR21   R      010CONOGK4EA0E  I     IF                                     + 06000      18000                 A JS
        SUSAP F98 K4FR21   R      020ODNEEK4EA1E  F 051TF                        21340061     + 05300                 RW21  K4PGA JS
        SUSAP F98 K4FR21   R      020ODNEEK4EA2WALPV        ALNAV/VNAV ALNAV                                                      JS
        SUSAP F98 K4FR21   R      021YOKGUK4EA0E S  031TF                        21330029     V 0438004382        -300          A JS
        SUSAP F98 K4FR21   R      030RW21 K4PG0GY M 031TF                        21330020       03745             -300          A JS
        SUSAP F98 K4FR21   R      040          0  M     CA                      2133         + 04047                            A JS
        SUSAP F98 K4FR21   R      050ZAPNAK4EA0EY       DF                                     + 06000                            A JS
        SUSAP F98 K4FR21   R      060ZAPNAK4EA0EE  R    HM                      03320050     + 06000                            A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP F98 K4GRW21    0050012133 N33132194W102491789-0600    +11068037050000400 75R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP F98 K4PR21   RW21 001 0000W21A0N3313219355W10249178930+110680300N3312138270W10250265465106751224000400F400500CC595777
        SUSAP F98 K4PR21   RW21 002E      +11292+11292LPV       99533
```

CITY AND STATE	ELEVATION: 3705 THRE: 3705	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PLAINS, TX	AIRPORT NAME: YOAKUM COUNTY	RNAV	RNAV (GPS) RWY 21, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 09/25/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP F98 K4SRW21 K4PG               0   18018005525                                                                  M
```

CITY AND STATE	ELEVATION: 3705 THRE: 3705	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PLAINS, TX	AIRPORT NAME: YOAKUM COUNTY	RNAV	RNAV (GPS) RWY 21, AMDT 1 22 AUGUST 2013	AMDT: ORIG
				DATED: 09/25/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CONOG	CONOG	010	IAF	HF	R	FO		213.4(220.4T)	005.0	AA 06000	
	RUKTE	RUKTE	010	IAF	IF		FB					
	RUKTE	CONOG	020		TF		FB	1.0	303.0(310.0T)	011.3	AA 06000	
	WINNS	WINNS	010		IF		FB					
	WINNS	ZUBAG	020	IAF	TF		FB	2.0	147.2(154.2T)	008.1	AA 06000	
	WINNS	CONOG	030		TF		FB	1.0	147.9(154.9T)	007.0	AA 06000	
		CONOG	010	FACF	IF		FB				AA 06000	
		ODNEE	020	FAF	TF		FB	0.5	213.4(220.4T)	006.1	AA 05300	
		YOKGU	021	SDF	TF		FB	0.3	213.3(220.3T)	002.9	AA 04380	GS 04382
		RW21	030	MAP	TF		FO	0.3	213.3(220.3T)	002.0	AT 03745	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		213.3(220.3T)		AA 04047	
	ZAPNA	050		DF		FO				AA 06000	
	ZAPNA	060		HM	R	FO		033.2(040.2T)	005.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CONOG	N332146.57	W1024047.96	N3321.776	W10240.799
	ODNEE	N331705.84	W1024531.92	N3317.097	W10245.532
	RUKTE	N331431.86	W1023030.10	N3314.531	W10230.502
	WINNS	N333524.92	W1024833.77	N3335.415	W10248.563
	YOKGU	N331453.65	W1024745.38	N3314.894	W10247.756
	ZAPNA	N330412.54	W1025830.65	N3304.209	W10258.511
	ZUBAG	N332809.54	W1024422.12	N3328.159	W10244.369
	RW21	N331321.94	W1024917.89	N3313.366	W10249.298

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	03705	40

CITY AND STATE	ELEVATION: 3705 THRE: 3705	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PLAINS, TX	AIRPORT NAME: YOAKUM COUNTY	RNAV	RNAV (GPS) RWY 21, AMDT 1 22 AUGUST 2013	AMDT: ORIG DATED: 09/25/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SATTY	XAFLE (FB)	283.99 / 6.05	3000
XAFLE (IAF)	SHAIL (FB)	277.28 / 7.80	3000
SHAIL (IF)	URNER (FB)	007.20 / 6.31	2000
URNER (FAF)	WOXAD/1.70 NM TO RW01 (FB)	007.22 / 2.81	
WOXAD/1.70 NM TO RW01	RW01 (MAP) (FO)	007.22 / 1.70	
RW01 (MAP)	759 MSL	007.22	
759 MSL	CHRUS (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW01

CLIMB TO 3000 DIRECT CHRUS AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT SHAIL
3. FAC: 007.22 FAF: URNER DIST FAF TO MAP: 4.51 THLD: 4.51
4. MIN. ALT: SHAIL 3000, URNER 2000, WOXAD/1.70 NM TO RW01 1100*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: URNER 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR
8. MSA FROM: RW01 3600

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 187.26 INBOUND.
FAS OBST: 599 TREE 313619N/0971415W
DISTANCE TO THLD FROM 250 HATH: 0.61 NM.
CHART VDP AT 0.93 MILES TO RW01*
*LNAV ONLY.
WAAS CHANNEL # 65919
REFERENCE PATH ID: W01A
CHART CIRCLING ICON
LTP HAE: 127.8 M

MAG VAR: 7E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	759	3/4	250	759	3/4	250	759	3/4	250	759	3/4	250			
LNAV/VNAV DA	780	7/8	271	780	7/8	271	780	7/8	271	780	7/8	271			
LNAV MDA	860	1	351	860	1	351	860	1	351	860	1	351			
CIRCLING	940	1	424	980	1	464	1020	1 1/2	504	1160	2	644			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7C (19F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SATTY ON V15 SOUTHEAST BOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MCGREGOR EXECUTIVE ALTIMETER SETTING (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 516 THRE: 509 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	WACO RGNL	RNAV	RNAV (GPS) RWY 1, AMDT 1A 22 AUGUST 2013	AMDT: 1 DATED 06/27/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
AND INCREASE ALL DA 31 FT AND ALL MDA 40 FT; INCREASE LPV ALL CATS AND LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE AND CIRCLING CAT D 1/4 MILE.
CHART NOTE: BARO-VNAV AND VDP NA WITH MCGREGOR EXECUTIVE ALTIMETER SETTING.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 516 THRE: 509	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 1, AMDT 1A 22 AUGUST 2013	AMDT: 1
				DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KACT
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	313613.6990N
LTP/FTP LONGITUDE	0971347.5440W
LTP/FTP ELLIPSOIDAL HEIGHT	+01278
FPAP LATITUDE	313740.2550N
FPAP LONGITUDE	0971321.9090W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	14E6BF1C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01551
FPAP ORTHOMETRIC HEIGHT	+01551

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 516 THRE: 509	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 1, AMDT 1A 22 AUGUST 2013	AMDT: 1
				DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CHRUS K40    W     N31475033W097102073                          E0040     NAR           CHRUS
        SUSAEAENRT   SATTY K40    C   L N31213770W097012791                          E0039     NAR           SATTY
        SUSAEAENRT   SHAIL K40    W     N31254320W097165401                          E0040     NAR           SHAIL
        SUSAEAENRT   URNER K40    W     N31315083W097150537                          E0040     NAR           URNER
        SUSAEAENRT   WOXAD K40    W     N31343461W097141690                          E0040     NAR           WOXAD
        SUSAEAENRT   XAFLE K40    W     N31234784W097080392                          E0039     NAR           XAFLE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4AACT     0     071YHN31364390W097134910E007000516          1800018000C    MNAR    WACO RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4FR01   ASATTY 010SATTYK4EA0E       IF                                                  18000                A JS
        SUSAP KACTK4FR01   ASATTY 020XAFLEK4EA0E  A 020TF                          28400061    + 03000                          A JS
        SUSAP KACTK4FR01   ASATTY 030SHAILK4EA0EE B 010TF                          27730078    + 03000                          A JS
        SUSAP KACTK4FR01   R       010SHAILK4EA0E  I    IF                                    + 03000     18000                A JS
        SUSAP KACTK4FR01   R       020URNERK4EA1E  F 051TF                        00720063    + 02000                RW01  K4PGA JS
        SUSAP KACTK4FR01   R       020URNERK4EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
        SUSAP KACTK4FR01   R       021WOXADK4EA0E S  031TF                        00720028    V 0110001110        -300         A JS
        SUSAP KACTK4FR01   R       030RW01 K4PG0GY M 031TF                        00720017      00564             -300         A JS
        SUSAP KACTK4FR01   R       040         0  M     CA                       0072        + 00759                          A JS
        SUSAP KACTK4FR01   R       050CHRUSK4EA0EY      DF                                    + 03000                          A JS
        SUSAP KACTK4FR01   R       060CHRUSK4EA0EE  R   HM                       18730040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4GRW01    0071070072 N31361370W097134754-0100    +012780050901025515OR

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4PR01   RW01 001 0000W01A0N3136136990W09713475440+012780300N3137402550W0971321909010675061600055OF40050014E6BF1C
        SUSAP KACTK4PR01   RW01 002E      +01551+01551LPV       65919

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------9
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 516 THRE: 509 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WACO, TX	**WACO RGNL**	**RNAV**	**RNAV (GPS) RWY 1, AMDT 1A** 22 AUGUST 2013	AMDT: **1**
				DATED: **06/27/2013**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
SUSAP KACTK4SRW01 K4PG          0   18018003625                                  M
```

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 516 THRE: 509 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WACO, TX	WACO RGNL	RNAV	RNAV (GPS) RWY 1, AMDT 1A 22 AUGUST 2013	AMDT: 1 DATED: 06/27/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	SATTY	SATTY	010		IF		FB					
	SATTY	XAFLE	020	IAF	TF		FB	2.0	284.0(291.0T)	006.1	AA 03000	
	SATTY	SHAIL	030		TF		FB	1.0	277.3(284.3T)	007.8	AA 03000	
		SHAIL	010	FACF	IF		FB				AA 03000	
		URNER	020	FAF	TF		FB	0.5	007.2(014.2T)	006.3	AA 02000	
		WOXAD	021	SDF	TF		FB	0.3	007.2(014.2T)	002.8	AA 01100 GS 01110	
		RW01	030	MAP	TF		FO	0.3	007.2(014.2T)	001.7	AT 00564	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		007.2(014.2T)		AA 00759	
	CHRUS	050		DF		FO				AA 03000	
	CHRUS	060		HM	R	FO		187.3(194.3T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CHRUS	N314750.33	W0971020.73	N3147.839	W09710.346
	SATTY	N312137.70	W0970127.91	N3121.628	W09701.465
	SHAIL	N312543.20	W0971654.01	N3125.720	W09716.900
	URNER	N313150.83	W0971505.37	N3131.847	W09715.090
	WOXAD	N313434.61	W0971416.90	N3134.577	W09714.282
	XAFLE	N312347.84	W0970803.92	N3123.797	W09708.065
	RW01	N313613.70	W0971347.54	N3136.228	W09713.792

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01	00509	55

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 516 THRE: 509 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WACO, TX	WACO RGNL	RNAV	RNAV (GPS) RWY 1, AMDT 1A 22 AUGUST 2013	AMDT: 1 DATED: 06/27/2013

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
STACO	TWO	STACO2.STACO	ONE	20011227	10 JUN 2004

TYPE: OBSTACLE

DP ROUTE DESCRIPTION:

CANCELED EFFECTIVE 22 AUGUST 2013

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF OBSTACLES NOTES:

CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

AIRPORTS SERVED:

BOLINDER FIELD-TOOELE VALLEY, TOOELE, UT

COMMUNICATIONS:

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
STACO	TWO	STACO2.STACO	ONE	20011227	10 JUN 2004

FIXES AND/OR NAVAIDS:

REMARKS:

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

CONCURRENT WITH PUBLICATION OF STACO ONE (RNAV) (OBSTACLE) DEP

DEVELOPED BY:

APPROVED BY:

DEBORAH L. COPELAND AJV-354

JUN 21 2013

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZLC, SLC APP/DEP CON

CHANGES:

REASONS:

TVY NDB BEING DECOMMISSIONED

06/18/2013: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 06/04/2013.
1. ADDED OBSTACLE TO TYPE.

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RIC VORTAC (IF/IAF)	DUTLE (FB)	096.48 / 6.28	1200
DUTLE (FAF)	RW11 (MAP) (FO)	106.03 / 2.71	
RW11 (MAP)	521 MSL	106.03	
521 MSL	WINVO (FO)		2000

MISSED APPROACH

LP: RW11
LNAV: RW11

CLIMB TO 2000 DIRECT WINVO AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 286.19 INBOUND.
CHART FAS OBST: 259 TOWER 373045N/0770850W
CHART FAS OBST: 259 TREE 373039N/0770943W
CHART: 423 TOWER 373117N/0771113W
WAAS CHANNEL # 45932
REFERENCE PATH ID: W11A

CHART: RICHMOND INTL ASOS.
CHART: CIRCLING ICON
LTP HAE: 3.2 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W RIC VORTAC, LT, 096.48 INBOUND, 2100 FT. IN LIEU OF PT (IAF)
3. FAC: 106.03 FAF: DUTLE DIST FAF TO MAP: 2.71 THLD: 2.71
4. MIN. ALT: RIC VORTAC 2100, DUTLE 1200
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW11 2600

MAG VAR: 10W EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A | X |

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	540	1	419	540	1	419	540	1 1/8	419		NA				
LNAV MDA	560	1	439	560	1	439	560	1 1/4	439		NA				
CIRCLING	620	1	499	620	1	499	760	1 3/4	639		NA				

NOTES:
CHART NOTE: USE RICHMOND INTL ALTIMETER SETTING.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON RIC VORTAC AIRWAY RADIALS 223 CW 317.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 121 THRE: 121 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10
QUINTON, VA	NEW KENT COUNTY	RNAV	RNAV (GPS) RWY 11, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED 06/03/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART PROFILE NOTE: DESCENT ANGLE NA.

QUALITY 4

CITY AND STATE	ELEVATION: 121 THRE: 121	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10
QUINTON, VA	AIRPORT NAME: NEW KENT COUNTY	RNAV	RNAV (GPS) RWY 11, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED: 06/03/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	W96
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	373014.2265N
LTP/FTP LONGITUDE	0770757.8315W
LTP/FTP ELLIPSOIDAL HEIGHT	+00032
FPAP LATITUDE	373004.8000N
FPAP LONGITUDE	0770606.4900W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	BFDF1697

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00368
FPAP ORTHOMETRIC HEIGHT	+00368

QUALITY A CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        RIC   K6011410VTH  N37300846W077191300     N37300846W077191300W0090001592     NARRICHMOND

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DUTLE K60    W     N37303134W077112069                          W0104     NAR           DUTLE
        SUSAEAENRT   WINVO K60    W     N37291046W076553197                          W0106     NAR           WINVO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP W96 K6AW96     0     036YHN37301235W077073561W010000121          1800018000C    MNAR    NEW KENT COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP W96 K6FR11   ARIC   010RIC  K6D 0VE AL   HF                    09650040    + 02100     18000              A JS
        SUSAP W96 K6FR11   R      010RIC  K6D 0V  I    IF                                + 02100     18000              A JS
        SUSAP W96 K6FR11   R      020DUTLEK6EA1E  F 051TF                    09650063    + 01200                 RW11  K6PGA JS
        SUSAP W96 K6FR11   R      020DUTLEK6EA2WALP       N          ALNAV                                              JS
        SUSAP W96 K6FR11   R      030RW11 K6PG0GY M 031TF                    10600027      00560          000           A JS
        SUSAP W96 K6FR11   R      040         0  M     CA                    1060        + 00521                       A JS
        SUSAP W96 K6FR11   R      050WINVOK6EA0EY       DF                                + 02000                       A JS
        SUSAP W96 K6FR11   R      060WINVOK6EA0EE  L    HM                    28620040    + 02000                       A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP W96 K6GRW11     0036001061 N37301423W077075783-0400     +00032001210000000 75R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP W96 K6PR11    RW11 001 0000W11A0N3730142265W07707578315+000320000N3730048000W07706064900106751656000000F400000BFDF1697
        SUSAP W96 K6PR11    RW11 002E       +00368+00368LP        45932

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP W96 K6SRW11 K6PG               0    18018002625                                                                    M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 121 THRE: 121	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10
QUINTON, VA	AIRPORT NAME: **NEW KENT COUNTY**	**RNAV**	**RNAV (GPS) RWY 11, AMDT 2** 22 AUGUST 2013	AMDT: **1**
				DATED: **06/03/2010**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RIC	RIC	010	IAF	HF	L	FO		096.5(086.5T)	004.0	AA 02100	
		RIC	010	FACF	IF		FB				AA 02100	
		DUTLE	020	FAF	TF		FB	0.5	096.5(086.5T)	006.3	AA 01200	
		RW11	030	MAP	TF		FO	0.3	106.0(096.0T)	002.7	AT 00560	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		106.0(096.0T)		AA 00521	
	WINVO	050		DF		FO				AA 02000	
	WINVO	060		HM	L	FO		286.2(276.2T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	RIC	N373008.46	W0771913.00	N3730.141	W07719.217
	DUTLE	N373031.34	W0771120.69	N3730.522	W07711.345
	WINVO	N372910.46	W0765531.97	N3729.174	W07655.533
	RW11	N373014.23	W0770757.83	N3730.237	W07707.964

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW11	00121	00



CITY AND STATE	ELEVATION: 121 THRE: 121 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10
QUINTON, VA	**NEW KENT COUNTY**	**RNAV**	**RNAV (GPS) RWY 11, AMDT 2** 22 AUGUST 2013	AMDT: 1
				DATED: 06/03/2010

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HPW VORTAC	WINVO (FO)	053.93 / 13.11	2000
KINKE	WINVO (FO)	168.98 / 8.82	2000
HCM VORTAC (IAF)	WINVO (NOPT) (FB)	292.48 / 10.48	2000
WINVO (IF/IAF)	WARAT (FB)	286.19 / 6.07	1200
WARAT (FAF)	COVAP/1.70 NM TO RW29 (FB)	286.11 / 1.59	
COVAP/1.70 NM TO RW29	RW29 (MAP) (FO)	286.11 / 1.70	
(SEE FORM 8260-10)			

MISSED APPROACH

LP: RW29
LNAV: RW29

CLIMB TO 900 THEN CLIMBING LEFT TURN TO 2000 DIRECT WINVO AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 273 TOWER 373034N/0770636W
CHART FAS OBST: 249 TREE 372952N/0770542W
WAAS CHANNEL # 90532
REFERENCE PATH ID: W29A

CHART CIRCLING ICON.
CHART RICHMOND INTL ASOS.
LTP HAE: -.8 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E WINVO, LT 286.19 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 286.11 FAF: WARAT DIST FAF TO MAP: 3.29 THLD: 3.29
4. MIN. ALT: WINVO 2000, WARAT 1200, COVAP/1.70 NM TO RW29 640
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW29 2600

MAG VAR: 10W EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	540	1	432	540	1	432	540	1 1/4	432		NA				
LNAV MDA	560	1	452	560	1	452	560	1 3/8	452		NA				
CIRCLING	620	1	499	620	1	499	760	1 3/4	639		NA				

NOTES:
CHART NOTE: USE RICHMOND INTL ALTIMETER SETTING.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HPW VORTAC ON V260 SOUTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HCM VORTAC ON V33.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 121 THRE: 108 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 28
QUINTON, VA	NEW KENT COUNTY	RNAV	RNAV (GPS) RWY 29, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED 06/03/2010

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW29 (MAP)	900 MSL	286.11	900
900 MSL	WINVO (FO)		2000

NOTES, (CONT.):

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART PROFILE NOTE: DESCENT ANGLE NA.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 121 THRE: 108	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 28
QUINTON, VA	AIRPORT NAME: NEW KENT COUNTY	RNAV	RNAV (GPS) RWY 29, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED: 06/03/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	W96
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	373010.4660N
LTP/FTP LONGITUDE	0770713.3975W
LTP/FTP ELLIPSOIDAL HEIGHT	-00008
FPAP LATITUDE	373019.8900N
FPAP LONGITUDE	0770904.7500W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	237BDE14

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00329
FPAP ORTHOMETRIC HEIGHT	+00329

QUALITY CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD         HCM   K6010880VTL  N37265518W076424087  N37265518W076424087W0070000081     NARHARCUM
        SUSAD         HPW   K6011200VTLA N37194393W077065740  N37194393W077065740W0060000701     NARHOPEWELL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   COVAP K60    W     N37295965W077050594                    W0105     NAR          COVAP
        SUSAEAENRT   KINKE K60    C   L N37372532W076593058                    W0106     NAR          KINKE
        SUSAEAENRT   WARAT K60    W     N37294951W077030685                    W0105     NAR          WARAT
        SUSAEAENRT   WINVO K60    W     N37291046W076553197                    W0106     NAR          WINVO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP W96 K6AW96     0     036YHN37301235W077073561W010000121          1800018000C    MNAR    NEW KENT COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP W96 K6FR29   AHCM   010HCM  K6D 0V  A    IF                                          18000                  A JS
        SUSAP W96 K6FR29   AHCM   020WINVOK6EA0EE B 010TF                  29250105    + 02000                         A JS
        SUSAP W96 K6FR29   AHPW   010HPW  K6D 0V       IF                                          18000                  A JS
        SUSAP W96 K6FR29   AHPW   020WINVOK6EA0EY   020TF                 05390131    + 02000                         A JS
        SUSAP W96 K6FR29   AHPW   030WINVOK6EA0EE AL   HF                 28620040    + 02000                         A JS
        SUSAP W96 K6FR29   AKINKE 010KINKEK6EA0E       IF                                          18000                  A JS
        SUSAP W96 K6FR29   AKINKE 020WINVOK6EA0EY   020TF                 16900088    + 02000                         A JS
        SUSAP W96 K6FR29   AKINKE 030WINVOK6EA0EE AL   HF                 28620040    + 02000                         A JS
        SUSAP W96 K6FR29   R      010WINVOK6EA0E  I    IF                                 + 02000    18000                A JS
        SUSAP W96 K6FR29   R      020WARATK6EA1E  F 051TF                 28620061    + 01200                RW29  K6PGA JS
        SUSAP W96 K6FR29   R      020WARATK6EA2WALP        N        ALNAV                                              JS
        SUSAP W96 K6FR29   R      021COVAPK6EA0E S  031TF                 28610016    + 00640                         A JS
        SUSAP W96 K6FR29   R      030RW29 K6PG0GY M 031TF                 28610017      00560            000          A JS
        SUSAP W96 K6FR29   R      040         0  M     CA                 2861        + 00900                         A JS
        SUSAP W96 K6FR29   R      050WINVOK6EA0EY  L   DF                                 + 02000                         A JS
        SUSAP W96 K6FR29   R      060WINVOK6EA0EE  L   HM                 28620040    + 02000                         A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP W96 K6GRW29    0036002861 N37301047W077071340+0400    -0000800108000000075R
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 121 THRE: 108	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 28
QUINTON, VA	AIRPORT NAME: **NEW KENT COUNTY**	**RNAV**	**RNAV (GPS) RWY 29, AMDT 2** 22 AUGUST 2013	AMDT: **1**
				DATED: **06/03/2010**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    ------------------------------------------------------------------------------------------------------------------------------------
    SUSAP W96 K6PR29   RW29 001 0000W29A0N37301046 60W07707133975-000080000N3730198900W07709047500106751656000000F400000237BDE14
    SUSAP W96 K6PR29   RW29 002E      +00329+00329LP        90532

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    ------------------------------------------------------------------------------------------------------------------------------------
    SUSAP W96 K6SRW29 K6PG              0   18018002625                                                                        M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 121 THRE: 108	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 28
QUINTON, VA	AIRPORT NAME: NEW KENT COUNTY	RNAV	RNAV (GPS) RWY 29, AMDT 2 22 AUGUST 2013	AMDT: 1 DATED: 06/03/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HCM	HCM	010	IAF	IF		FB					
	HCM	WINVO	020		TF		FB	1.0	292.5(282.5T)	010.5	AA 02000	
	HPW	HPW	010		IF		FB					
	HPW	WINVO	020		TF		FO	2.0	053.9(043.9T)	013.1	AA 02000	
	HPW	WINVO	030	IAF	HF	L	FO		286.2(276.2T)	004.0	AA 02000	
	KINKE	KINKE	010		IF		FB					
	KINKE	WINVO	020		TF		FO	2.0	169.0(159.0T)	008.8	AA 02000	
	KINKE	WINVO	030	IAF	HF	L	FO		286.2(276.2T)	004.0	AA 02000	
		WINVO	010	FACF	IF		FB				AA 02000	
		WARAT	020	FAF	TF		FB	0.5	286.2(276.2T)	006.1	AA 01200	
		COVAP	021	SDF	TF		FB	0.3	286.1(276.1T)	001.6	AA 00640	
		RW29	030	MAP	TF		FO	0.3	286.1(276.1T)	001.7	AT 00560	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		286.1(276.1T)		AA 00900	
	WINVO	050		DF	L	FO				AA 02000	
	WINVO	060		HM	L	FO		286.2(276.2T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HCM	N372655.18	W0764240.87	N3726.920	W07642.681
	HPW	N371943.93	W0770657.40	N3719.732	W07706.957
	COVAP	N372959.65	W0770505.94	N3729.994	W07705.099
	KINKE	N373725.32	W0765930.58	N3737.422	W07659.510
	WARAT	N372949.51	W0770306.85	N3729.825	W07703.114
	WINVO	N372910.46	W0765531.97	N3729.174	W07655.533
	RW29	N373010.47	W0770713.40	N3730.175	W07707.223

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29	00108	00



CITY AND STATE	ELEVATION: 121 THRE: 108 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 28
QUINTON, VA	NEW KENT COUNTY	RNAV	RNAV (GPS) RWY 29, AMDT 2 / 22 AUGUST 2013	AMDT: 1
				DATED: 06/03/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HPW VORTAC (IF/IAF)	QUILT INT/ 7.00 DME	003.49 / 7.00	1700

MISSED APPROACH

MAP: 3.43 MILES AFTER QUILT INT/7.00 DME OR AT ZASOM/ 10.43 DME FIX

CLIMBING RIGHT TURN TO 2000 DIRECT HPW VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 351 TOWER 372715N/0770603W
CHART: 379 TOWER 372604N/0770827W
CHART: CIRCLING ICON
CHART: RICHMOND INTL ASOS.
FAC CROSSES MID POINT OF RWY 11-29

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S HPW VORTAC, RT, 003.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC 003.49 FAF QUILT INT/ 7.00 DME DIST FAF TO MAP 3.43 THLD ____
4. MIN. ALT HPW VORTAC 2000, QUILT 1700
8. MSA FROM: HPW VORTAC 270-360 2600, 360-270 2000

MAG VAR: 6W EPOCH YEAR: 1965

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	660	1	539	660	1	539	760	1 3/4	639		NA				

NOTES:

CHART NOTE: USE RICHMOND INTL ALTIMETER SETTING.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.
CHART NOTE: NOPT FOR ARRIVAL ON HPW VORTAC AIRWAY RADIALS 178, 205, AND 237.

QUALIFY 1 CHECKED

CITY AND STATE	ELEVATION: 121 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
QUINTON, VA	NEW KENT COUNTY	HPW	VOR-A, AMDT 2 22 AUGUST 2013	AMDT 1A
				DATE 04/13/2006

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
BREMERTON, WA	BREMERTON NATIONAL	22 AUGUST 2013	4

TAKEOFF MINIMUMS:

RWY 2, 300-1 OR STANDARD , WITH MININIMUM CLIMB OF 410 FT PER NM TO 700.
RWY 20, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 2, CLIMBING RIGHT TURN TO 6000 DIRECT CAN NDB, THENCE...
RWY 20, CLIMB TO 6000 DIRECT CAN NDB, THENCE...
...CONTINUE CLIMB IN HOLD (S, LT, 013° INBOUND) TO 6000 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

RWY 2, BUSHES 380 FT FROM DER, 521 FT LEFT OF CENTERLINE, UP TO 17 FT AGL/456 FT MSL. TREES BEGINNING 1011 FT FROM DER, 709 FT RIGHT OF CENTERLINE, UP TO 120 FT AGL/599 FT MSL. TREES BEGINNING 1209 FT FROM DER, 621 FT LEFT OF CENTERLINE UP TO 120 FT AGL/561 FT MSL .
RWY 20, BUSHES BEGINNING 1 FT FROM DER, 488 FT LEFT OF CENTERLINE, UP TO 11 FT AGL/462 FT MSL. TREES BEGINNING 177 FT FROM DER, 379 FT LEFT OF CENTERLINE UP TO 120 FT AGL/514 FT MSL. TREES BEGINNING 372 FT FROM DER, 277 FT RIGHT OF CENTERLINE, UP TO 120 FT AGL/555 FT MSL.

CONTROLLING OBSTACLES:

RWY 2, 599 MSL TREE 473009.89N/1224452.35W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 2, 20 - 2395 FT MSL TOWER 473253.00N/1224827.00W, 8074 MSL AAO 474850.42N/1231354.60W.

QUALITY 2 CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
BREMERTON, WA	BREMERTON NATIONAL	22 AUGUST 2013	4

REMARKS:

FLIGHT INSPECTED BY:

Daniel C. Favorite 5/15/13

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PETER GETZ (BRUCE MURR) AJV-354 2/22/2013

APPROVED BY:

DEBORAH COPELAND AJV-354 JUL 01 2013

COORDINATED WITH:

ALPA, AOPA, NBAA, ZMP, AMGR

CHANGES:

1. CHANGED RWY NUMBERS FROM RWY 1/19 TO RWY 2/20
2. UPDATED TAKEOFF OBSTACLE NOTES.

REASONS:

1. MAGVAR CHANGE FROM 20E TO 16E
2. NEW OBSTACLE DATA.

QUALITY 2 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
SPOKANE, WA	**FELTS FIELD**	22 AUGUST 2013	**6**

TAKEOFF MINIMUMS:

RWY 4L/R, STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 3700, OR 2300-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 22L/R, STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 3200, OR 2300-3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 4L/R, CLIMB HEADING 038 TO 3600, THEN CLIMBING RIGHT TURN ON HEADING 210 AND GEG R-050 TO GEG VORTAC OR FOR CLIMB IN VISUAL CONDITIONS: CROSS FELTS FIELD AIRPORT AT OR ABOVE 4100, THEN ON HEADING 165 AND GEG R-050 TO GEG VORTAC. CROSS GEG VORTAC AT OR ABOVE MCA/MEA FOR ROUTE OF FLIGHT.

RWY 22L/R, CLIMB HEADING 218 TO 3200, THEN CLIMBING LEFT TURN ON HEADING 190 AND GEG R-050 TO GEG VORTAC OR FOR CLIMB IN VISUAL CONDITIONS: CROSS FELTS FIELD AIRPORT AT OR ABOVE 4100, THEN ON HEADING 165 AND GEG R-050 TO GEG VORTAC. CROSS GEG VORTAC AT OR ABOVE MCA/MEA FOR ROUTE OF FLIGHT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4L, TREES AND BUILDINGS BEGINNING 1151 FT FROM DER, 757 FT RIGHT OF CENTERLINE, UP TO 25 FT AGL/2037 FT MSL. TREES BEGINNING 4873 FT FROM DER, 384 FT LEFT OF CENTERLINE, UP TO 25 FT AGL/2099 FT MSL. TREES AND BUILDINGS BEGINNING 1.1 NM FROM DER, 67 FT LEFT OF CENTERLINE, UP TO 25 FT AGL/2274 FT MSL. TREES 1.2 NM FROM DER, 970 FT LEFT OF CENTERLINE, UP TO 25 FT AGL/2304 FT MSL. BUILDINGS BEGINNING 1.5 NM FROM DER, 1151 FT LEFT OF CENTERLINE, UP TO 2350 FT MSL. TREES 1.6 NM FROM DER, 517 FT LEFT OF CENTERLINE, UP TO 25 FT AGL/2385 FT MSL. TREES 2.0 NM FROM DER, 590 FT LEFT OF CENTERLINE, UP TO 25 FT AGL/2513 FT MSL. TREES 2.4 NM FROM DER, 13 FT RIGHT OF CENTERLINE, UP TO 25 FT AGL/2480 FT MSL. TRANSMISSION POLE, TREES AND BUILDING BEGINNING 2.5 NM FROM DER, 13 FT LEFT OF CENTERLINE, UP TO 25 FT AGL/2534 FT MSL. VERTICAL STRUCTURES BEGINNING 2.7 NM FROM DER, 2839 FT LEFT OF CENTERLINE, 2449 FT MSL. HIGH TERRAIN BEGINNING 2.7 NM FROM DER, 42 FT LEFT OF CENTERLINE, 2439 FT MSL. HIGH TERRAIN BEGINNING 2.8 NM FROM DER, 48 FT RIGHT OF CENTERLINE, 3375 FT MSL. VERTICAL STRUCTURE, TREES AND POLES BEGINNING 2.9 NM FROM DER, 605 FT RIGHT OF CENTERLINE, UP TO 25 FT AGL/3442 FT MSL. TREES, POLES AND ANTENNA BEGINNING 3.0 NM FROM DER, 1899 FT LEFT OF CENTERLINE, UP TO 25 FT AGL/2578 FT MSL. TRANSMISSION TOWER 3.9 NM FROM DER, 995 FT RIGHT OF CENTERLINE, 2570 FT MSL.

NOTE: RWY 4R, BUILDINGS, HANGER AND NDB 86 FT FROM DER, 257 FT RIGHT OF CENTERLINE, UP TO 1987 FT MSL. TREES BEGINNING 930 FT FROM DER, 272 FT RIGHT OF CENTERLINE, UP TO 25 FT AGL/2029 FT MSL.TREES BEGINNING 4884 FT FROM DER, 884 FT LEFT OF CENTERLINE, UP TO 25 FT AGL/2092 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 29 FT LEFT OF CENTERLINE, UP TO 25 FT AGL/2295 FT MSL. TREES AND BUILDINGS BEGINNING 2.4 NM FROM DER, 11 FT RIGHT OF CENTERLINE, UP TO 25 FT AGL/2494 FT MSL. POLES/TRANSMISSION POLES BEGINNING 2.5 NM FROM DER, 93 FT LEFT OF CENTERLINE, UP TO 2534 FT MSL. POLES/TRANSMISSION POLES BEGINNING 2.6 NM FROM DER, 516 FT RIGHT OF CENTERLINE, UP TO 2424 FT MSL. HIGH TERRAIN BEGINNING 2.5 NM FROM DER, 67 FT LEFT OF CENTERLINE, 2439 FT MSL. HIGH TERRAIN BEGINNING 2.6 NM FROM DER, 33 FT RIGHT OF CENTERLINE, 3375 FT MSL. TREES, POLES AND ANTENNA BEGINNING 3.1 NM FROM DER, 3238 FT LEFT OF CENTERLINE, 25 FT/AGL/3442 FT MSL. TRANSMISSION TOWER 3.9 NM FROM DER, 496 FT RIGHT OF CENTERLINE, 2570 FT MSL.

NOTE: RWY 22L, BUILDINGS AND SIGNS BEGINNING 55 FT FROM DER, 74 FT LEFT OF CENTERLINE, UP TO 1998 FT MSL. SIGN 95 FT FROM DER, 74 FT RIGHT OF CENTERLINE, 1953 FT MSL. OL POLE ON BUILDING 728 FT FROM DER, 301 FT LEFT OF CENTERLINE, 1992 FT MSL. VEHICLE ON ROADWAY 739 FT FROM DER, 481 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/1971 FT MSL. TREES AND POLES BEGINNING 1294 FT FROM DER, 183 FT LEFT OF CENTERLINE, UP TO 25 FT AGL/2045 FT MSL. BUILDINGS AND ELEVATORS 4492 FT FROM DER, 573 FT LEFT OF CENTERLINE, UP TO 2082 FT MSL.

NOTE: RWY 22R, NAVAIDS 38 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, 1953 FT MSL. VEHICLES ON ROADWAY 187 FEET FROM DER, 446 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/1954 FT MSL. TREES BEGINNING 187 FT FROM DER, 511 FT RIGHT OF CENTERLINE, UP TO 25 FT AGL/1979 FT MSL. LT ON HANGER 202 FT FROM DER, 496 FT LEFT OF CENTERLINE, 1969 FT MSL. BUILDINGS, OL ON BUILDINGS BEGINNING 210 FT FROM DER, 230 FT LEFT OF CENTERLINE, UP TO 1979 FT MSL. POLES BEGINNING 1271 FT FROM DER, 63 FT RIGHT OF CENTERLINE, UP TO 1987 FT MSL. TRANSMISSION LINE TOWERS BEGINNING 1396 FT FROM DER, 2 FT LEFT OF CENTERLINE, UP TO 41 FT AGL/1986 FT MSL. ELEVATOR AND BUILDING BEGINNING 2653 FT FROM DER, 1073 FT LEFT OF CENTERLINE, UP TO 2082 FT MSL. TOWER 4066 FT FROM DER, 1554 FT LEFT OF CENTERLINE, 120 FT AGL/2072 FT MSL. RISING TERRAIN BEGINNING 3.2 NM FROM DER, 5087 FT LEFT OF CENTERLINE, UP TO 2339 FT MSL.

CONTROLLING OBSTACLES:

RWY 4L/R: 3575 FT MSL AAO 474331.96N/1171009.28W

RWY 22L/R: 3072 FT MSL TOWER (53-000124) 473659.00N/1172159.00W.

VCA: 3259 FT MSL AAO 473703.63N/1171809.12W; **VCOA:** 3794 FT MSL TOWER (53-000720) 473604.00N/1171757.00W

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: **RWY 4L/R** – 6083 FT MSL AAO 475521.90N/1170635.90W.

QUALITY CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
SPOKANE, WA	FELTS FIELD	22 AUGUST 2013	6

REMARKS:

FLIGHT INSPECTED BY:

A. E. Bamsey 5/21/13

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PETE GETZ (THERON CYRUS) AJV-354 11/21/2012

APPROVED BY:

DEB COPELAND AJV-354 JUN 27 2013

COORDINATED WITH:

AOPA, ALPA, NBAA, ZSE, AMGR, GEG APP CON, SFF ATCT.

CHANGES:

1. UPDATE TAKEOFF OBS NOTES.
2. ADDED ODP ROUTE OBS.
3. CHANGED RWY 3L/R AND RWY 21L/R TO RWY 4L/R AND RWY 22L/R.
4. CHANGED DP ROUTE DESCRIPTION RWY 4L/R FROM "CLIMB HEADING 035 TO 3600" TO "CLIMB HEADING 038 TO 3600."
5. CHANGED TAKEOFF MINIMUM: RWY 4L FROM "STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 3600" TO "STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 3700."
6. CHANGED RWY 22L/R CLIMB GRADIENT FROM 375 FT PER NM TO 370 FT PER NM.

REASONS:

1. 2. NEW OBS EVALUATION.
3. FPT/MAGVAR.
4. MAGVAR/ATC/FPT.
5. NEW OBS EVAL/ATC/FPT.
6. NEW OBS EVAL.

QUALITY CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
YAJJU (IF/IAF)	ZOBER (FB)	046.34 / 7.00	3000
ZOBER (FAF)	EVXAG/1.90 NM TO RW05 (FB)	046.43 / 3.46	
EVXAG/1.90 NM TO RW05	RW05 (MAP) (FO)	046.43 / 1.90	
RW05 (MAP)	1640 MSL	046.43	
1640 MSL	EXLIJ (FO)		3000

MISSED APPROACH

LP: RW05
LNAV: RW05

CLIMB TO 3000 DIRECT EXLIJ AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 226.65 INBOUND.
CHART FAS OBST: 1379 TREE 443712N/0901306W
CHART FAS OBST: 1449 TREE 443736N/0901300W
WAAS CHANNEL # 50532
REFERENCE PATH ID: W05A
CHART CIRCLING ICON
ZOBER TO RW05: 3.00/40
LTP HAE: 347.8 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW YAJJU, RT, 046.34 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 046.43 FAF: ZOBER DIST FAF TO MAP: 5.36 THLD: 5.36
4. MIN. ALT: YAJJU 3000, ZOBER 3000, EVXAG/1.90 NM TO RW05 1880
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 0E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1640	1	387	1640	1	387	1640	1 1/8	387	1640	1 1/8	387			
LNAV MDA	1700	1	447	1700	1	447	1700	1 3/8	447	1700	1 3/8	447			
CIRCLING	1760	1	482	1760	1	482	2020	2 1/4	742	2020	2 1/2	742			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.
CHART NOTE: RWY 5 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.
(SEE FORM 8260-10)

@ CAT C 800-2 1/4, CAT D 800-2 1/2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1278 THRE: 1253 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MARSHFIELD, WI	MARSHFIELD MUNI	RNAV	RNAV (GPS) RWY 5, ORIG 22 AUGUST 2013	AMDT: NONE DATED

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NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CENTRAL WISCONSIN ALTIMETER SETTING AND INCREASE ALL MDA 60 FT, INCREASE VISIBILITY LP CAT C/D 1/4.

TAA

	FROM	TO	ALT
1.	316/30 CW 136/30 (NOPT)	316/20 CW 136/20	4100
	316/20 CW 136/20	YAJJU (IF/IAF) (FB)	3000
2.	136/30 CW 316/30	YAJJU (IF/IAF) (FO)	3000

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1278 THRE: 1253	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARSHFIELD, WI	AIRPORT NAME: MARSHFIELD MUNI	RNAV	RNAV (GPS) RWY 5, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMFI
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	443755.3010N
LTP/FTP LONGITUDE	0901133.0450W
LTP/FTP ELLIPSOIDAL HEIGHT	+03478
FPAP LATITUDE	443856.6300N
FPAP LONGITUDE	0901002.5300W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	7B1E422A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03818
FPAP ORTHOMETRIC HEIGHT	+03818

QUALITY 2 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EVXAG K50    W     N44363680W090132879                        W0021     NAR           EVXAG
        SUSAEAENRT   EXLIJ K50    W     N44465034W089582050                        W0023     NAR           EXLIJ
        SUSAEAENRT   YAJJU K50    W     N44292405W090240441                        W0019     NAR           YAJJU
        SUSAEAENRT   ZOBER K50    W     N44341371W090165941                        W0020     NAR           ZOBER

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFIK5AMFI     0     050YHN44381277W090112158E000001278         1800018000C    MNAR    MARSHFIELD MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFIK5FR05   AYAJJU 010YAJJUK5EA0EE AR   HF                    04630040    + 03000     18000                A JS
        SUSAP KMFIK5FR05   R       010YAJJUK5EA0E  I    IF                                + 03000     18000                A JS
        SUSAP KMFIK5FR05   R       020ZOBERK5EA1E  F 051TF                    04630070    + 03000                          A JS
        SUSAP KMFIK5FR05   R       020ZOBERK5EA2WALP        N          ALNAV                                                JS
        SUSAP KMFIK5FR05   R       021EVXAGK5EA0E S  031TF                    04640035    V 0188001898        -300         A JS
        SUSAP KMFIK5FR05   R       030RW05 K5PG0GY M 031TF                    04640019      01293             -300         A JS
        SUSAP KMFIK5FR05   R       040         0  M     CA                    0464        + 01640                          A JS
        SUSAP KMFIK5FR05   R       050EXLIJK5EA0EY       DF                              + 03000                          A JS
        SUSAP KMFIK5FR05   R       060EXLIJK5EA0EE  R    HM                    22670040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFIK5GRW05     0035970465 N44375530W090113305-0100     +03478012530000400100R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFIK5PR05   RW05 001 0000W05A0N4437553010W09011330450+034780300N4438566300W0901002530010675165600040OF4000007B1E422A
        SUSAP KMFIK5PR05   RW05 002E      +03818+03818LP        50532
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1278 THRE: 1253	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MARSHFIELD, WI	AIRPORT NAME: **MARSHFIELD MUNI**	**RNAV**	**RNAV (GPS) RWY 5, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	YAJJU	YAJJU	010	IAF	HF	R	FO		046.3(046.3T)	004.0	AA 03000	
		YAJJU	010	FACF	IF		FB				AA 03000	
		ZOBER	020	FAF	TF		FB	0.5	046.3(046.3T)	007.0	AA 03000	
		EVXAG	021	SDF	TF		FB	0.3	046.4(046.4T)	003.5	AA 01880 GS 01898	
		RW05	030	MAP	TF		FO	0.3	046.4(046.4T)	001.9	AT 01293	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		046.4(046.4T)		AA 01640	
	EXLIJ	050		DF		FO				AA 03000	
	EXLIJ	060		HM	R	FO		226.7(226.7T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EVXAG	N443636.80	W0901328.79	N4436.613	W09013.480
	EXLIJ	N444650.34	W0895820.50	N4446.839	W08958.342
	YAJJU	N442924.05	W0902404.41	N4429.401	W09024.074
	ZOBER	N443413.71	W0901659.41	N4434.229	W09016.990
	RW05	N443755.30	W0901133.05	N4437.922	W09011.551

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	01253	40

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1278 THRE: 1253 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MARSHFIELD, WI	**MARSHFIELD MUNI**	**RNAV**	**RNAV (GPS) RWY 5, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EXLIJ (IF/IAF)	UWBUZ (FB)	226.65 / 7.01	3000
UWBUZ (FAF)	ASUYO/1.60 NM TO RW23 (FB)	226.56 / 3.77	
ASUYO/1.60 NM TO RW23	RW23 (MAP) (FO)	226.56 / 1.60	
RW23 (MAP)	1640 MSL	226.56	
1640 MSL	YAJJU (FO)		3000

MISSED APPROACH

LP: RW23
LNAV: RW23

CLIMB TO 3000 DIRECT YAJJU AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 046.34 INBOUND.
CHART FAS OBST: 1399 TREE 443945N/0900954W
CHART FAS OBST: 1379 TREE 443921N/0900945W
WAAS CHANNEL # 70732
REFERENCE PATH ID: W23A
CHART CIRCLING ICON
UWBUZ TO RW23: 3.00/40
LTP HAE: 346.7 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE EXLIJ, RT, 226.65 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 226.56 FAF: UWBUZ DIST FAF TO MAP: 5.37 THLD: 5.37
4. MIN. ALT: EXLIJ 3000, UWBUZ 3000, ASUYO/1.60 NM TO RW23 1760
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 0E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1640	1	391	1640	1	391	1640	1 1/8	391	1640	1 1/8	391			
LNAV MDA	1660	1	411	1660	1	411	1660	1 1/8	411	1660	1 1/8	411			
CIRCLING	1760	1	482	1760	1	482	2020	2 1/4	742	2020	2 1/2	742			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.
CHART NOTE: RWY 23 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CENTRAL WISCONSIN ALTIMETER SETTING AND INCREASE ALL MDA 60 FT, INCREASE LP AND LNAV VISIBILITY CAT C/D 1/4 MILE.

@ CAT C 800-2 1/4, CAT D 800-2 1/2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1278 THRE: 1249	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MARSHFIELD, WI	AIRPORT NAME: MARSHFIELD MUNI		RNAV (GPS) RWY 23, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TAA

	FROM	TO	ALT
1.	136/30 CW 316/30 (NOPT)	136/12 CW 316/12	3600
	136/12 CW 316/12	EXLIJ (IF/IAF) (FB)	3000
2.	316/30 CW 136/30	EXLIJ (IF/IAF) (FO)	3000

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1278 THRE: 1249	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARSHFIELD, WI	AIRPORT NAME: MARSHFIELD MUNI	RNAV	RNAV (GPS) RWY 23, ORIG 22 AUGUST 2013	AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMFI
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	443819.7490N
LTP/FTP LONGITUDE	0901056.9660W
LTP/FTP ELLIPSOIDAL HEIGHT	+03467
FPAP LATITUDE	443718.4100N
FPAP LONGITUDE	0901227.4600W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	84354BE7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03808
FPAP ORTHOMETRIC HEIGHT	+03808

QUALITY 2 CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ASUYO K50    W     N44392582W090091941                    W0021     NAR           ASUYO
        SUSAEAENRT   EXLIJ K50    W     N44465034W089582050                    W0023     NAR           EXLIJ
        SUSAEAENRT   UWBUZ K50    W     N44420148W090052917                    W0022     NAR           UWBUZ
        SUSAEAENRT   YAJJU K50    W     N44292405W090240441                    W0019     NAR           YAJJU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFIK5AMFI     0     050YHN44381277W090112158E000001278         1800018000C    MNAR    MARSHFIELD MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFIK5FR23   AEXLIJ 010EXLIJK5EA0EE AR   HF                    22670040    + 03000     18000                A JS
        SUSAP KMFIK5FR23   R      010EXLIJK5EA0E  I    IF                                + 03000     18000                A JS
        SUSAP KMFIK5FR23   R      020UWBUZK5EA1E  F 051TF                    22670070    + 03000                          A JS
        SUSAP KMFIK5FR23   R      020UWBUZK5EA2WALP        N          ALNAV                                               JS
        SUSAP KMFIK5FR23   R      021ASUYOK5EA0E S  031TF                    22660038    V 0176001799        -300         A JS
        SUSAP KMFIK5FR23   R      030RW23 K5PG0GY M 031TF                    22660016      01289             -300         A JS
        SUSAP KMFIK5FR23   R      040         0  M     CA                    2266        + 01640                          A JS
        SUSAP KMFIK5FR23   R      050YAJJUK5EA0EY       DF                              + 03000                          A JS
        SUSAP KMFIK5FR23   R      060YAJJUK5EA0EE  R   HM                    04630040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFIK5GRW23    0035972265 N44381975W090105697+0100    +0346701249000040100R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFIK5PR23   RW23 001 0000W23A0N4438197490W09010569660+034670300N4437184100W090122746001067516560004O0F40000084354BE7
        SUSAP KMFIK5PR23   RW23 002E      +03808+03808LP        70732
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1278 THRE: 1249	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MARSHFIELD, WI	AIRPORT NAME: **MARSHFIELD MUNI**	**RNAV**	**RNAV (GPS) RWY 23, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	EXLIJ	EXLIJ	010	IAF	HF	R	FO		226.7(226.7T)	004.0	AA 03000	
		EXLIJ	010	FACF	IF		FB				AA 03000	
		UWBUZ	020	FAF	TF		FB	0.5	226.7(226.7T)	007.0	AA 03000	
		ASUYO	021	SDF	TF		FB	0.3	226.6(226.6T)	003.8	AA 01760 GS 01799	
		RW23	030	MAP	TF		FO	0.3	226.6(226.6T)	001.6	AT 01289	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		226.6(226.6T)		AA 01640	
	YAJJU	050		DF		FO				AA 03000	
	YAJJU	060		HM	R	FO		046.3(046.3T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ASUYO	N443925.82	W0900919.41	N4439.430	W09009.324
	EXLIJ	N444650.34	W0895820.50	N4446.839	W08958.342
	UWBUZ	N444201.48	W0900529.17	N4442.025	W09005.486
	YAJJU	N442924.05	W0902404.41	N4429.401	W09024.074
	RW23	N443819.75	W0901056.97	N4438.329	W09010.950

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23	01249	40

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1278 THRE: 1249	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MARSHFIELD, WI	AIRPORT NAME: **MARSHFIELD MUNI**	**RNAV**	**RNAV (GPS) RWY 23, ORIG** 22 AUGUST 2013	AMDT: **NONE**
				DATED:

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. **30910**; Amdt. No. **3545**]

Standard Instrument Approach Procedures, and Takeoff Minimums and Obstacle Departure Procedures; Miscellaneous Amendments

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

SUMMARY: This rule establishes, amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures for operations at certain airports. These regulatory actions are needed because of the adoption of new or revised criteria, or because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, adding new obstacles, or changing air traffic requirements. These changes are designed to provide safe and efficient use of the navigable airspace and to promote safe flight operations under instrument flight rules at the affected airports.

DATES: This rule is effective [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER]. The compliance date for each SIAP, associated Takeoff Minimums, and ODP is specified in the amendatory provisions.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the Federal

Register as of [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER].

ADDRESSES: Availability of matter incorporated by reference in the amendment is as follows:

For Examination –

1. FAA Rules Docket, FAA Headquarters Building, 800 Independence Avenue, SW, Washington, DC 20591;

2. The FAA Regional Office of the region in which the affected airport is located;

3. The National Flight Procedures Office, 6500 South MacArthur Blvd., Oklahoma City, OK 73169 or,

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability – All SIAPs are available online free of charge. Visit nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

1.FAA Public Inquiry Center (APA-200), FAA Headquarters Building, 800 Independence Avenue, SW., Washington, DC 20591; or

2.The FAA Regional Office of the region in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Richard A. Dunham III, Flight Procedure Standards Branch (AFS-420)Flight Technologies and Programs Division, Flight Standards Service, Federal Aviation Administration, Mike Monroney Aeronautical Center, 6500 South

MacArthur Blvd., Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082 Oklahoma City, OK. 73125) telephone: (405) 954-4164. SUPPLEMENTARY INFORMATION: This rule amends Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) by amending the referenced SIAPs. The complete regulatory description of each SIAP is listed on the appropriate FAA Form 8260, as modified by the National Flight Data Center (FDC)/Permanent Notice to Airmen (P-NOTAM), and is incorporated by reference in the amendment under 5 U.S.C. 552(a), 1 CFR part 51, and §97.20 of Title 14 of the Code of Federal Regulations.

The large number of SIAPs, their complex nature, and the need for a special format make their verbatim publication in the Federal Register expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, but refer to their graphic depiction on charts printed by publishers of aeronautical materials. Thus, the advantages of incorporation by reference are realized and publication of the complete description of each SIAP contained in FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAP and the corresponding effective dates. This amendment also identifies the airport and its location, the procedure and the amendment number.

THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP as amended in the transmittal. For safety and timeliness of change considerations, this amendment incorporates only specific changes contained for each SIAP as modified by FDC/P-NOTAMs.

The SIAPs, as modified by FDC P-NOTAM, and contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these changes to SIAPs, the TERPS criteria were applied only to specific conditions existing at the affected airports. All SIAP amendments in this rule have been previously issued by the FAA in a FDC NOTAM as an emergency action of immediate flight safety relating directly to published aeronautical charts. The circumstances which created the need for all these SIAP amendments requires making them effective in less than 30 days.

Because of the close and immediate relationship between these SIAPs and safety in air commerce, I find that notice and public procedure before adopting these SIAPs are impracticable and contrary to the public interest and, where applicable, that good cause exists for making these SIAPs effective in less than 30 days.

CONCLUSION

The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. It, therefore- (1) is not a "significant regulatory action" under Executive Order 12866; (2) is not a "significant rule" under DOT regulatory Policies and Procedures (44 FR 11034; February 26, 1979); and (3) does not warrant preparation of a regulatory evaluation as the anticipated impact is so minimal. For the same reason, the FAA certifies that this amendment will not have a significant economic impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR part 97:

Air Traffic Control, Airports, Incorporation by reference, and Navigation (Air).

Issued in Washington, DC on JULY 5, 2013.

John M. Allen
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal regulations, Part 97, 14 CFR part 97, is amended by amending Standard Instrument Approach Procedures, effective at 0901 UTC on the dates specified, as follows:

Part 97 – Standard Instrument Approach Procedures

1. The authority citation for part 97 continues to read as follows:

AUTHORITY: 49 U.S.C. 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

By amending: §97.23 VOR, VOR/DME, VOR or TACAN, and VOR/DME or TACAN; §97.25 LOC, LOC/DME, LDA, LDA/DME, SDF, SDF/DME; §97.27 NDB, NDB/DME; §97.29 ILS, ILS/DME, MLS, MLS/DME, MLS/RNAV; §97.31 RADAR SIAPs; §97.33 RNAV SIAPs; and §97.35 COPTER SIAPs, Identified as follows:

.....EFFECTIVE UPON PUBLICATION

AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
8/22/13	NC	Hickory	Hickory Rgnl	3/1240	7/2/13	VOR/DME RWY 24, Orig-B
8/22/13	KY	Paducah	Barkley Rgnl	3/6221	7/2/13	RNAV (GPS) RWY 4, Orig-A
8/22/13	KY	Paducah	Barkley Rgnl	3/6222	7/2/13	RNAV (GPS) RWY 22, Orig-B
8/22/13	KY	Paducah	Barkley Rgnl	3/6223	7/2/13	VOR/DME RWY 22, Amdt 6
8/22/13	KY	Paducah	Barkley Rgnl	3/6224	7/2/13	ILS OR LOC RWY 4, Amdt 10
8/22/13	KY	Paducah	Barkley Rgnl	3/6225	7/2/13	VOR RWY 4, Amdt 18
8/22/13	NC	New Bern	Coastal Carolina Regional	3/7541	7/2/13	VOR RWY 22, Amdt 3
8/22/13	NJ	Teterboro	Teterboro	3/8651	7/2/13	ILS OR LOC RWY 6, Amdt 29F
8/22/13	GA	Savannah	Savannah/Hilton Head Intl	3/8966	7/2/13	RNAV (GPS) Z RWY 28, Amdt 2
8/22/13	NY	Norwich	LT Warren Eaton	3/9290	7/2/13	RNAV (GPS) RWY 19, Orig
8/22/13	NJ	Millville	Millville Muni	3/9811	7/2/13	RNAV (GPS) RWY 14, Orig-B

AIRAC Date: 22 AUGUST 2013

FDC **3/1240** HKY FI/P IAP HICKORY RGNL, HICKORY, NC. VOR/DME RWY 24, ORIG-B... S-24 MDA 1600/HAT 411 ALL CATS. VIS CAT C 1 1/4. CHART NOTE: CIRCLING TO RWY 1/16/19 NA AT NIGHT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MORGANTON ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE S-24 CAT D VISIBILITY 1/4 MILE. MSA FROM BARRETS MOUNTAIN (BZM) VOR/DME 5800. THIS IS VOR/DME RWY 24, ORIG-C.

FDC **3/6221** PAH FI/P IAP BARKLEY RGNL, PADUCAH, KY. RNAV (GPS) RWY 4, ORIG-A... LNAV MDA 880/HAT 470 ALL CATS. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MAYFIELD ALTIMETER SETTING AND INCREASE LPV DA TO 818, LNAV/VNAV DA TO 946 AND ALL MDA 80 FEET, AND INCREASE LPV ALL CATS AND LNAV CAT C/D VISIBILITY 1/4 MILE. CHANGE UNCOMPENSATED BARO-VNAV SYSTEMS NOTE TO READ: FOR UNCOMPENSATED BARO-VNAV SYSTEMS LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING TO RWY 14 NA AT NIGHT. CHART FAS OBSTACLE 612 MSL WATER TOWER, 370032N/0884853W. THIS IS RNAV (GPS) RWY 4, ORIG-B.

FDC **3/6222** PAH FI/P IAP BARKLEY RGNL, PADUCAH, KY. RNAV (GPS) RWY 22, ORIG-B... LNAV MDA ALL CATS 820/HAT 418, CAT C VISIBILITY 1 1/4. CHANGE UNCOMPENSATED BARO-VNAV SYSTEMS NOTE TO READ: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MAYFIELD ALTIMETER SETTING AND INCREASE LPV DA TO 738, LNAV/VNAV DA TO 850 AND ALL MDA 80 FEET, AND INCREASE LPV ALL CATS VISIBILITY TO 1 1/4, LNAV/VNAV ALL CATS VISIBILITY TO 1 3/4, LNAV CAT D VISIBILITY TO 1 1/2. CHART NOTE: CIRCLING TO RWY 14 NA AT NIGHT. CHART FAS OBSTACLE 559 MSL TOWER 370546.84N/0884235.27W. THIS IS RNAV (GPS) RWY 22, ORIG-C.

FDC **3/6223** PAH FI/P IAP BARKLEY RGNL, PADUCAH, KY. VOR/DME RWY 22, AMDT 6... CHART NOTE: CIRCLING TO RWY 14 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 22 PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS VOR/DME RWY 22, AMDT 6A.

FDC **3/6224** PAH FI/P IAP BARKLEY RGNL, PADUCAH, KY. ILS OR LOC RWY 4, AMDT 10... CHART NOTE: CIRCLING TO RWY 14 NA AT NIGHT. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MAYFIELD ALTIMETER SETTING AND INCREASE DA TO 671 AND ALL MDA 80 FEET, AND INCREASE S-LOC 4 CAT C AND D VISIBILITY 1/8 MILE. THIS IS ILS OR LOC RWY 4, AMDT 10A.

FDC **3/6225** PAH FI/P IAP BARKLEY RGNL, PADUCAH, KY. VOR RWY 4, AMDT 18... CHART NOTE: CIRCLING TO RWY 14 NA AT NIGHT. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MAYFIELD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, AND INCREASE S-4 CAT C AND D VISIBILITY 1/4 MILE. THIS IS VOR RWY 4, AMDT 18A.

FDC **3/7541** EWN FI/P IAP COASTAL CAROLINA REGIONAL, NEW BERN, NC. VOR RWY 22, AMDT 3... CHANGE DESCENT ANGLE/TCH TO READ: 3.42/55. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS VOR RWY 22, AMDT 3A.

FDC **3/8651** TEB FI/P IAP TETERBORO, TETERBORO, NJ. ILS OR LOC RWY 6, AMDT 29F... CHART NOTE: WHEN RWY 1 VGSI INOP, CIRCLING RWY 1 NA AT NIGHT. THIS IS ILS OR LOC RWY 6, AMDT 29G.

FDC **3/8966** SAV FI/P IAP SAVANNAH/HILTON HEAD INTL, SAVANNAH, GA. RNAV (GPS) Z RWY 28, AMDT 2... LNAV: MDA 660/HAT 614 ALL CATS, VIS CAT C 1 3/4. CIRCLING: CATS A/B/C MDA 660/HAA 610. VIS CAT C 1 3/4. CHART VDP AT 1.76 MILES TO RW28* *LNAV ONLY. THIS IS RNAV (GPS) Z RWY 28, AMDT 2A.

FDC **3/9290** OIC FI/P IAP LT WARREN EATON, NORWICH, NY. RNAV (GPS) RWY 19, ORIG... LNAV MDA HAT 996 ALL CATS. ADD NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. ADD NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART TDZE: 1024 FEET. THIS IS RNAV (GPS) RWY 19, ORIG-A.

FDC **3/9811** MIV FI/P IAP MILLVILLE MUNI, MILLVILLE, NJ. RNAV (GPS) RWY 14, ORIG-B... DELETE NOTE: CIRCLING TO RWY 10/32 NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 14 PROCEDURE NA AT NIGHT. DELETE PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OOD VORTAC ON AIRWAY RADIALS 121 CW 212. CHART NOTE: CIRCLING TO RWY 32 NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: WHEN RWY 14 VGSI INOP, STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OOD VORTAC ON AIRWAY RADIALS 121 CW 240. THIS IS RNAV (GPS) RWY 14, ORIG-C.