

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 09-22

September 18, 2009

**PREPARED BY THE NATIONAL FLIGHT DATA CENTER, AJR-321
(AVAILABLE ON THE WEB AT [HTTP://NFDC.FAA.GOV](http://NFDC.FAA.GOV))**

Notice - Notice - Notice

Revised IAP Chart Format, Addition of Procedure Effective Date

Effective 22 Oct 2009, all original and amended US Government Instrument Approach Procedure (IAP) charts will contain a Procedure Amendment Date. This date reflects the AIRAC cycle date of the latest procedural revision and will appear in the lower left margin adjacent to and associated with the amendment number (e.g., AMDT 4B 22OCT09, ORIG 22OCT09, etc). The Julian Date (Jdate, i.e. 09295) on these new/amended procedures will be relocated to the upper right margin of the chart and continue to reflect the date on which the chart was revised for any reason. Similar chart revisions are being considered by non-government chart developers.

For IAPs promulgated in the Transmittal Letter (TL) via an 8260-series form, the Procedure Amendment Date is shown in the "PROCEDURE NO/AMENDMENT NO/EFFECTIVE DATE" block at the bottom of the form supporting the IAP. For P-NOTAM procedural amendments, an AIRAC Date will be listed in the first column of the NOTAM matrix following the second docket in the TL. This specified AIRAC date will be used as the Procedure Amendment Date as shown in the excerpt below.

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
22-Oct-09	IA	COUNCIL BLUFFS	COUNCIL BLUFFS MUNI	9/5812	8/22/2009	RNAV (GPS) RWY 32, ORIG

Sample US government revised chart header and footer are shown below.

Top of Chart:

ALEXANDRIA, MINNESOTA		AL-14 (FAA)				09323
WAAS CH 61007 W31A	APP CRS 315°	Rwy Idg TDZE Apt Elev	5100 1423 1424	RNAV (GPS) RWY 31 ALEXANDRIA/ CHANDLER FIELD (AXN)		
Inoperative table does not apply to LPV & LNAV/VNAV Cats A/B/C and LNAV Cat C. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP -0.3 NA. VDP and Baro-VNAV NA when using Glenwood altimeter setting.					MISSED APPROACH: Climb to 3500 direct OCIWE and via 352° track to TILER and hold.	

Bottom of Chart:

MIRL Rwy 4-22 and 13-31	CIRCLING	1920-1 496 (500-1)	1720-172 496 (500-1½)	1700-2 556 (600-2)
ALEXANDRIA, MINNESOTA Amdt 1 22OCT09				
		ALEXANDRIA/ CHANDLER FIELD (AXN) RNAV (GPS) RWY 31		

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

The following are corrected copies of procedures published in Transmittal Letters 09-20 and 09-21:

Fairbanks, AK, Fairbanks Intl, ILS OR LOC RWY 2L, ILS RWY 2L (CAT II), ILS RWY 2L (CAT III), Amdt 8
 Fairbanks, AK, Fairbanks Intl, RNAV (GPS) RWY 2L, Orig
 Fairbanks, AK, Fairbanks Intl, RNAV (GPS) RWY 20R, Orig
 Nenana, AK, Nenana Muni, RNAV (GPS) RWY 4L, Amdt 1
 Kahului, HI, Kahului, ILS OR LOC RWY 2, Amdt 24
 Bloomington, IN, Monroe County, ILS OR LOC/DME RWY 35, Amdt 6
 San Juan, PR, Luis Munoz Marin Intl, VOR OR TACAN RWY 8, Amdt 1
 San Juan, PR, Luis Munoz Marin Intl, VOR OR TACAN RWY 10, Amdt 1

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FAI VORTAC	CACHE INT/I-CNA 6.07 DME	163.06 / 4.41	3200
CUN NDB	CACHE INT/I-CNA 6.07 DME	222.94 / 15.15	3800
GLOWS INT (IAF)	CILAX INT/I-CNA 15.48 DME (NOPT)	313.00 / 6.64 (HDG) & 017.04 / 5.07 (I-CNA)	2600
CILAX INT/I-CNA 15.48 DME (IF)	CACHE INT/I-CNA 6.07 DME	017.04 / 9.41 (I-CNA)	2400

This is a corrected copy of a procedure published in TL 09-20, dated 08/21/2009.

** Added (NoPT) to GLOWS-CILAX terminal route ; changed Category II ILS Minimums note. **

MISSED APPROACH

ILS: DA
LOC: 5.89 MILES AFTER CACHE INT/6.07 DME OR AT I-CNA 0.19 DME FIX

CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 4000 DIRECT CUN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000; OR WHEN DIRECTED BY ATC, CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 4000 VIA FAI VORTAC R-093 THEN RIGHT TURN DIRECT FAI VORTAC AND HOLD, S, RT, 348.00 INBOUND.

ADDITIONAL FLIGHT DATA:
HOLD NE, LT, 247.97 INBOUND.
CHART ALTERNATE MISSED APPROACH HOLDING: HOLD S, FAI VORTAC, RT, 348.00 INBOUND.
CHART FAS OBST: 491 TREE 644754N/1475310W
CHART VDP AT 1.04 DME;
DISTANCE VDP TO THLD 0.86 MILES.
CHART 3200 PRIOR TO CACHE IN PROFILE.
CHART (EJUPA) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE.

- PT L SIDE OF COURSE 197.04 OUTBOUND 2800 FT WITHIN 15 MILES OF CACHE (IAF)
-
- FAC: 017.04 FAF: CACHE INT/I-CNA 6.07 DME DIST FAF TO MAP: 5.89 THLD: 5.89
- MIN. ALT: CACHE 2400
- DIST TO THLD FROM OM: - MM: - IM: 974 150 HAT: - 100 HAT: 831 GS ANT: 1060
- MIN GS INCPT: 2400 GS ALT AT: CACHE INT/I-CNA 6.07 DME 2400 OM: - MM: - IM: 544
- GS ANGLE: 3.00 TCH: 56.4
- MSA FROM: FAI VORTAC 4500

MAG VAR: 21E

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	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 2L		638	1800	200	638	1800	200	638	1800	200	638	1800	200	638	2400	200
S-LOC 2L		760	2400	322	760	2400	322	760	2400	322	760	4000	322	760	4000	322
CIRCLING		840	1	401	900	1	461	900	1 1/2	461	1000	2	561	1080	2 1/4	641

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 2L: CAT A, B, C, D, RA 104, RVR 1200, DA 538 MSL, HAT/HAT 100.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 2L: CAT IIIA RVR 700; CATS A, B, C, D. CAT IIIB RVR 6000; CATS A, B, C, D. CAT IIIC N/A.
SEE 8260-10

CAT E 700-2 1/4
@ CAT E 800-2 1/4

CITY AND STATE FAIRBANKS, AK	ELEVATION: 439 TDZE: 438 AIRPORT NAME: FAIRBANKS INTL	FACILITY IDENTIFIER: I-CNA	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 2L, AMDT 8, 10/22/2009 ILS RWY 2L (CAT II), ILS RWY 2L (CAT III) 22 OCT 2009	SUP: ILS RWY 1L AMDT: 7 DATED 12/30/1999

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-ILS 2L CAT E VISIBILITY TO RVR 4000, S-LOC 2L CAT D TO RVR 5000 AND CAT E TO RVR 6000.

CHART NOTE: CIRCLING NA WEST OF RWY 2L-20R.

CHART NOTE: ADF REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

QUALITY
2
CHECKED

CITY AND STATE FAIRBANKS, AK	ELEVATION: 439 TDZE: 438 AIRPORT NAME: FAIRBANKS INTL	FACILITY IDENTIFIER: I-CNA	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 2L, AMDT 8, 10/22/2009 ILS RWY 2L (CAT II), ILS RWY 2L (CAT III) 22 OCT 2009	SUP: ILS RWY 1L
				AMDT: 7
				DATED: 12/30/1999

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ICONA (IAF)	JOTUG (NOPT) (FB)	287.29 / 5.30	3700
JIPEN (IAF)	JOTUG (NOPT) (FB)	106.29 / 5.70	3700
JOTUG (IF/IAF)	RIMSE (FB)	016.78 / 1.96	3400
RIMSE	BOSGE (FB)	016.82 / 5.10	2100

LPV: DA
LNAV/VNAV: DA
LNAV: RW02L

CLIMB TO 4900 DIRECT ELACA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4900.

This is a corrected copy of a procedure published in TL 09-20, dated 8/21/2009.

** Fix Name "Perzo" changed to "Jotug" in all occurrences. **

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 197.44 INBOUND.
CHART FAS OBST: 505 TREE 644806N/1475243W
CHART: 909 TREE 644527N/1480224W
CHART: 859 TREE 644729N/1475757W
DISTANCE TO THLD FROM 200 HAT: 0.46 NM.
CHART VDP AT 1.05 MILES TO RW02L* *LNAV ONLY.
WAAS CHANNEL # 57915
REFERENCE PATH ID: W02B
CHART: R-2211
CHART: EIELSON MOA

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S JOTUG, RT, 016.78 INBOUND, 3700 FT. IN LIEU OF PT (IAF)
- FAC: 016.93 FAF: BOSGE DIST FAF TO MAP: 4.98 THLD: 4.98
- MIN. ALT: JOTUG 3700, RIMSE 3400, BOSGE 2100, ORACE/1.70 NM TO RW02L 1020*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2100 GS ALT AT: BOSGE 2100 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 56.4 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 21E

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	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	638	2400	199	638	2400	199	638	2400	199	638	2400	199			
LNAV/VNAV DA	1019	1 1/2	580	1019	1 1/2	580	1019	1 1/2	580	1019	1 1/2	580			
LNAV MDA	820	2400	382	820	2400	382	820	2400	382	820	5000	382			
CIRCLING	840	1	401	900	1	461	900	1 1/2	461	1000	2	561			

NOTES:

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV CAT D VISIBILITY TO RVR 6000.

CHART NOTE: CIRCLING NA WEST OF RWY 2L-20R.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25C (-13F) OR ABOVE 48C (118F).

SEE 8260-10

CITY AND STATE FAIRBANKS, AK	ELEVATION: 439 TDZE: 439 AIRPORT NAME: FAIRBANKS INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD NO./EFFECTIVE DATE: RNAV (GPS) RWY 2L, ORIG, 10/22/2009 22 OCT 2009	SUP: AMD: NONE DATED

QUALITY
2
CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

TAA

	FROM	TO	ALT
1.	287/30 CW 017/30 (NOPT)	287/20 CW 017/20	5500
	017/30 CW 106/30 (NOPT)	017/20 CW 106/20	3900
	287/20 CW 106/20	JOTUG (IF/IAF) (FB)	3700 ←
2.	106/30 CW 197/30	JIPEN (IAF) (FB)	5500
3.	197/30 CW 287/30	ICONA (IAF) (FB)	4900

QUALITY
2
CHECKED

CITY AND STATE FAIRBANKS, AK	ELEVATION: 439 TDZE: 439 AIRPORT NAME: FAIRBANKS INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2L, ORIG, 10/22/2009 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
PAFA
RW02L
0

0
W02B
644815.2125N
1475258.6545W
+01424
644942.1000N
1475018.9700W
00056.4
F
03.00
113.50
0048
40.0
35.0

CRC REMAINDER

3D7EAAF3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

PA
+01329
+01329

CITY AND STATE
FAIRBANKS, AK

ELEVATION: 439 TDZE: 439
AIRPORT NAME:
FAIRBANKS INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 2L, ORIG, 10/22/2009
22 OCT 2009

SUP:
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.

[illegible][illegible][illegible][illegible]

CITY AND STATE FAIRBANKS, AK	ELEVATION: 439 TDZE: 439 AIRPORT NAME: FAIRBANKS INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2L, ORIG, 10/22/2009 22 OCT 2009	SUP:	
				AMDT:	NONE
				DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 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	1	2	3	4	5	6	7	8	9	0	1	2	3
	1	2	3	4	5	6	7	8	9	0	1	2	3

SCANP PAFAPAPR02L	RW02L001	0000W02B0N6448152125W14752586545+014240300N6449421000W14750189700113500048000564F4003503D7EAAF3											
SCANP PAFAPAPR02L	RW02L002E	+01329+01329LPV	57915										

CITY AND STATE
FAIRBANKS, AK

ELEVATION: 439 TDZE: 439
AIRPORT NAME:
FAIRBANKS INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 2L, ORIG, 10/22/2009
22 OCT 2009

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ICONA	ICONA	010	IAF	IF		FB				
	ICONA	JOTUG	020	IF	TF		FB	1.0	287.3 (308T)	005.3	03700
	JIPEN	JIPEN	010	IAF	IF		FB				
	JIPEN	JOTUG	020	IF	TF		FB	1.0	106.3 (127T)	005.7	03700
→	JOTUG	JOTUG	010	IAF	HF	R	FO		016.8 (038T)	004.0	03700
	JOTUG	JOTUG	010	FACF	IF		FB				03700
	RIMSE		011	SDF	TF		FB	0.5	016.8 (038T)	002.0	03400
	BOSGE		020	FAF	TF		FB	0.5	016.8 (038T)	005.1	02100
	ORACE		021	SDF	TF		FB	0.3	016.9 (038T)	003.3	0102001037
	RW02L		030	MAP	TF		FO	0.3	016.9 (038T)	001.7	00493

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ELACA	040		DF		FO	1.0			04900
	ELACA	050		HM	R	FO	2.0	197.4 (218T)	005.0	04900

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BOSGE	N644420.62	W1480007.93	N6444.344	W14800.132
	ELACA	N650226.11	W1472638.38	N6502.435	W14726.640
	ICONA	N643531.24	W1480033.73	N6435.521	W14800.562
	JIPEN	N644214.21	W1482046.57	N6442.237	W14820.776
→	JOTUG	N643847.14	W1481013.53	N6438.786	W14810.226
	ORACE	N644655.12	W1475525.50	N6446.919	W14755.425
	RIMSE	N644019.75	W1480725.88	N6440.329	W14807.431
	RW02L	N644815.29	W1475258.51	N6448.255	W14752.975

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW02L	00436	56

CITY AND STATE
FAIRBANKS, AK

ELEVATION: 439 TDZE: 439
 AIRPORT NAME:
FAIRBANKS INTL

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 2L, ORIG, 10/22/2009
22 OCT 2009

SUP:
 AMDT: **NONE**
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CEPLA (IAF)	ELACA (NOPT) (FB)	107.40 / 5.70	4900	LPV: DA LNAV/VNAV: DA LNAV: RW20R CLIMB TO 3700 DIRECT JOTUG AND HOLD.
SUXXI (IAF)	ELACA (NOPT) (FB)	287.49 / 5.30	4900	
ELACA (IF/IAF)	ROPEE (FB)	197.44 / 2.82	4600	
ROPEE	CIGNI (FB)	197.38 / 4.70	3400	

This is a corrected copy of a procedure published in TL 09-21, dated 9/4/2009.

** Fix Name "Perzo" changed to "Jotug" at each occurrence. **

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 016.78 INBOUND.
 CHART FAS OBST: 512 TREE 644951N/1475040W
 CHART FAS OBST: 764 TWR 645147N/1474515W
 DISTANCE TO THLD FROM 200 HAT: 0.45 NM.
 CHART VDP AT 1.67 MILES TO RW20R* *LNAV ONLY.
 WAAS CHANNEL # 99315
 REFERENCE PATH ID: W20B
 CHART: YUKON 2 MOA.
 CHART: R-2205

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N ELACA, RT, 197.44 INBOUND, 4900 FT. IN LIEU OF PT (IAF)
- FAC: 197.27 FAF: CIGNI DIST FAF TO MAP: 8.90 THLD: 8.90
- MIN. ALT: ELACA 4900, ROPEE 4600, CIGNI 3400, HOVMO/5.10 NM TO RW20R 2140*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 3400 GS ALT AT: CIGNI 3400 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 55.8 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 21E

EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	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	639	2400	200	639	2400	200	639	2400	200	639	2400	200			
LNAV/VNAV DA	1148	2	709	1148	2	709	1148	2	709	1148	2	709			
LNAV MDA	1020	2400	581	1020	2400	581	1020	5000	581	1020	6000	581			
CIRCLING	1020	1	581	1020	1	581	1020	1 1/2	581	1020	2	581			

NOTES:
 CHART NOTE: CIRCLING NA WEST OF RWY 2L-20R.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25C (-13F) OR ABOVE 48C (118F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDE PATH NOT COINCIDENT.

CITY AND STATE	ELEVATION: 439 TDZE: 439	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20R, ORIG, 10/22/2009	SUP:
FAIRBANKS, AK	AIRPORT NAME: FAIRBANKS INTL		22 OCT 2009	AMDT: NONE
				DATED

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

TAA

	FROM	TO	ALT
1.	107/30 CW 287/30 (NOPT) 107/10 CW 287/10	107/10 CW 287/10 ELACA (IF/IAF) (FB)	7000 4900
2.	287/30 CW 017/30	SUXXI (IAF) (FB)	5200
3.	017/30 CW 107/30	CEPLA (IAF) (FB)	5500

CITY AND STATE

FAIRBANKS, AK

ELEVATION: 439 TDZE: 439

AIRPORT NAME:

FAIRBANKS INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20R, ORIG, 10/22/2009

22 OCT 2009

SUP:

AMDT: NONE

DATED:

**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAFA
RUNWAY	RW20R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20B
LTP/FTP LATITUDE	644935.0975N
LTP/FTP LONGITUDE	1475031.8245W
LTP/FTP ELLIPSOIDAL HEIGHT	+01433
FPAP LATITUDE	644809.2200N
FPAP LONGITUDE	1475309.6400W
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	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

EA073FFA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+01338
FPAP ORTHOMETRIC HEIGHT	+01338

CITY AND STATE

FAIRBANKS, AK

ELEVATION: 439 TDZE: 439

AIRPORT NAME:

FAIRBANKS INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20R, ORIG, 10/22/2009

22 OCT 2009

SUP:

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.

[illegible][illegible][illegible][illegible]

CITY AND STATE FAIRBANKS, AK	ELEVATION: 439 TDZE: 439 AIRPORT NAME: FAIRBANKS INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20R, ORIG, 10/22/2009 22 OCT 2009	SUP:
				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.

[illegible]

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CEPLA	CEPLA	010	IAF	IF		FB				
	CEPLA	ELACA	020	IF	TF		FB	1.0	107.4 (128T)	005.7	04900
	ELACA	ELACA	010	IAF	HF	R	FO		197.4 (218T)	005.0	04900
	SUXXI	SUXXI	010	IAF	IF		FB				
	SUXXI	ELACA	020	IF	TF		FB	1.0	287.5 (309T)	005.3	04900
		ELACA	010	FACF	IF		FB				04900
		ROPEE	011	SDF	TF		FB	0.5	197.4 (218T)	002.8	04600
		CIGNI	020	FAF	TF		FB	0.5	197.4 (218T)	004.7	03400
		HOVMO	021	SDF	TF		FB	0.3	197.3 (218T)	003.8	0214002143
		RW20R	030	MAP	TF		PO	0.3	197.3 (218T)	005.1	00495

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JOTUG	040		DF		FO	1.0			03700
	JOTUG	050		HM	R	FO	2.0	016.8 (038T)	004.0	03700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEPLA	N650558.25	W1473710.89	N6505.971	W14737.182
	CIGNI	N645633.64	W1473737.41	N6456.561	W14737.624
	ELACA	N650226.11	W1472638.38	N6502.435	W14726.640
	HOVMO	N645334.98	W1474309.05	N6453.583	W14743.151
	JOTUG	N643847.14	W1481013.53	N6438.786	W14810.226
	ROPEE	N650013.97	W1473046.20	N6500.233	W14730.770
	SUXXI	N645909.25	W1471651.38	N6459.154	W14716.856
	RW20R	N644935.10	W1475031.82	N6449.585	W14750.530

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH
RW20R	00439 56

CITY AND STATE
FAIRBANKS, AK

ELEVATION: 439 TDZE: 439
 AIRPORT NAME:
 FAIRBANKS INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 20R, ORIG, 10/22/2009
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
ROYOY (IAF)	ICEBI (NOPT) (FB)	127.51 / 5.00	3000	LNAV: RW04L	
ICEBI (IF/IAF)	EKUCO (FB)	037.60 / 6.25	2000	CLIMBING RIGHT TURN TO 3000 DIRECT ICEBI AND HOLD.	
"THIS IS A CORRECTED COPY OF THE FORM DATED 04/27/2009 ORIGINALLY PUBLISHED IN TL09-20				ADDITIONAL FLIGHT DATA:	
				FAS OBST: 580 AAO 642941N/1491156W 630 AAO 643006N/1491448W CHART VDP AT 1.25 MILES TO RW04L. EKUCO TO RW4L: 3.04/35.	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW ICEBI, RT, 037.60 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 037.78 FAF: EKUCO DIST FAF TO MAP: 4.95 THLD: 4.95
- MIN. ALT: ICEBI 3000, EKUCO 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 21E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:	STANDARD	X	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	800	1	432	800	1	432	800	1 1/4	432	800	1 1/2	432			
CIRCLING	860	1	492	860	1	492	860	1 1/2	492	920	2	552			

NOTES:
 CHART NOTE: CIRCLING NA W OF RWY 4L-22R.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FAIBANKS INTL ALTIMETER SETTING:
 INCREASE ALL MDA 100 FT AND LNAV VISIBILITY CAT C/D 1/4 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
2
CHECKED

CITY AND STATE NENANA, AK	ELEVATION: 368 TDZE: 368 AIRPORT NAME: NENANA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4L, AMDT 1, 10/22/2009 22 OCT 2009	SUP: AMDT: ORIG-A DATED 02/17/2006

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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TAA

	FROM	TO	ALT
1.	308/30 CW 128/30 (NOPT)	308/10 CW 128/10	6400
2.	308/10 CW 128/10	ICEBI (IF/IAF) (FB)	3000
3.	128/30 CW 218/30	128/10 CW 218/10	4500
4.	128/10 CW 218/10	ROYOY (IAF) (FB)	3000
5.	218/30 CW 308/30	ICEBI (IF/IAF) (FO)	6400

QUALITY
2
CHECKED

CITY AND STATE

NENANA, AK

ELEVATION: 368 TDZE: 368

AIRPORT NAME:

NENANA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4L, AMDT 1, 10/22/2009

22 OCT 2009

SUP:

AMDT: ORIG-A

DATED: 02/17/2006

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.

[illegible]

SUP:	
AMDT:	ORIG-A
DATED:	02/17/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ICEBI	ICEBI	010	IAF	HF	R	FO		037.6 (059T)	004.0	03000
	ROYOY	ROYOY	010	IAF	IF		FB				
	ROYOY	ICEBI	020		TF		FB	1.0	127.5 (149T)	005.0	03000
		ICEBI	010	FACF	IF		FB				03000
		EKUCO	020	FAP	TF		FB	0.5	037.6 (059T)	006.3	02000
		RW04L	030	MAP	TF		FO	0.3	037.8 (059T)	005.0	00402

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ICEBI	040		DF	R	FO	1.0			03000
	ICEBI	050		HM	R	FO	2.0	037.6 (059T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EKUCO	N643011.12	W1491501.61	N6430.185	W14915.027
	ICEBI	N642656.88	W1492721.82	N6426.948	W14927.364
	ROYOY	N643111.98	W1493323.51	N6431.200	W14933.392
	RW04L	N643244.19	W1490513.43	N6432.737	W14905.224

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04L	00367	35

CITY AND STATE NENANA, AK	ELEVATION: 368 TDZE: 368	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4L, AMDT 1, 10/22/2009 22 OCT 2009	SUP:
	AIRPORT NAME: NENANA MUNI			AMDT: ORIG-A
				DATED: 02/17/2006

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE 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 R/V/R.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 8.84 MILES AFTER TEBBS/10.04 DME/RADAR OR AT I-OGG 1.12 DME FIX CLIMB TO 3000 VIA OGG R-024 THEN CLIMBING RIGHT TURN TO 5000 DIRECT OGG VORTAC, THEN VIA OGG R-190 AND LNY R-095 TO CAMPS AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 3000 VIA THE VYI NDB 024 BEARING OUTBOUND, THEN CLIMBING RIGHT TURN TO 7000 TO INTERCEPT THE VYI NDB 024 BEARING INBOUND TO THE VYI NDB AND HOLD. (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD W, LT, 095.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NE VYI NDB, RT, 204.00 INBOUND. CHART FAS OBST: 252 STACK 205203N/1562714W CHART VDP AT 2.43 DME; DISTANCE VDP TO THLD 1.22 MILES. CHART IN PLANVIEW: VYI NDB. CHART IN PLANVIEW: LNY 21.44 DME AT CAMPS.	
→ HARPO INT/LNY 26.55 DME (IAF)	CAMPS/I-OGG 17.53 DME (NOPT)	275.00 / 5.11 (LNY R-095) (OGG LR-197)	3000		
KEIKI INT/LNY 17.00 DME (IAF)	CAMPS/I-OGG 17.53 DME (NOPT)	095.00 / 4.44 (LNY R-095) (OGG LR-211)	3000		
CAMPS/I-OGG 17.53 DME (IF)	TEBBS/I-OGG 10.04 DME/RADAR	023.97 / 7.49	3000		
THIS IS A CORRECTED COPY OF THIS PROCEDURE PUBLISHED IN TL09-21.					
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SW CAMPS, RT, 024.28 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>023.97</u> FAF: <u>TEBBS/I-OGG 10.04 DME/RADAR</u> DIST FAF TO MAP: <u>8.83</u> THLD: <u>8.83</u> 4. MIN. ALT: <u>CAMPS 3000, TEBBS 3000, NOWAK/I-OGG 5.51 DME/RADAR 1520*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>1342</u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>TEBBS/I-OGG 10.04 DME/RADAR 3000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>62.3</u> 8. MSA FROM: <u>OGG VORTAC 090-180 11300, 180-360 7000, 360-090 3300</u>					
				MAG VAR: 11E EPOCH YEAR: 1990	
MINIMUMS					
TAKEOFF: <u> </u>		STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: <u>N A</u> ILS: # <u> </u> LOC: @ <u> </u>	
CATEGORY <u>-----></u>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 2	304	3/4	250	304	3/4
S-LOC 2	1520	1 1/4	1466	1520	1 1/2
CIRCLING	1520	1 1/4	1466	1520	1 1/2
NOWAK FIX MINIMUMS					
S-LOC 2	520	3/4	466	520	3/4
CIRCLING	520	1	466	560	1
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO ILS ALL CATS, LOC CAT A AND B. CHART NOTE: DME OR RADAR REQUIRED. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *LOC ONLY SEE 8260-10					
CITY AND STATE KAHULUI, HI		ELEVATION: 54 TDZE: 54 AIRPORT NAME: KAHULUI		FACILITY IDENTIFIER: I-OGG	
PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 2, AMDT 24 22 OCT 2009				SUP: ILS RWY 2 AMDT: 23A DATED 03/15/2007	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE NOWAK FIX MINIMUMS LOC CAT A AND B VISIBILITY 1/4 MILE, INCREASE CAT E 1/2 MILE.

CHART NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART PROFILE NOTE: USE I-OGG DME WHEN ON THE LOCALIZER COURSE.



CITY AND STATE KAHULUI, HI	ELEVATION: 54 TDZE: 54 AIRPORT NAME: KAHULUI	FACILITY IDENTIFIER: I-OGG	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 2, AMDT 24 22 OCT 2009	SUP: ILS RWY 2
				AMDT: 23A
				DATED: 03/15/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.99 MILES AFTER NITTE
OOM VORTAC	NITTE/OOM 5.18 DME	174.89 / 5.18	3000	CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 2500 DIRECT OOM VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1400 THEN CLIMBING RIGHT TURN 6000 VIA HEADING 070 AND SHB VORTAC R-231 TO MOUTH INT/26.13 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000, HOLD NE, RT, 230.64 INBOUND.
OPMUC/OOM 12.00 DME CCW (IAF)	JEPBU/OOM 12.00 DME (NOPT)	12.00 DME ARC (OOM LR-184)	3000	
JEPBU/OOM 12.00 DME (IF)	NITTE/OOM 5.18 DME	353.66 / 6.82	2500	

This is a corrected copy of a procedure published in TL 09-21, dated 4 September 2009.

** Line 5: DIST TO THLD FROM OM value changed from 5.09 to 4.99. **

ADDITIONAL FLIGHT DATA:

HOLD S, LT, 003.00 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD NE MOUTH INT/26.13 DME, RT, 230.64 INBOUND.
CHART OOM R-264 AT OPMUC.
CHART IN PLANVIEW: MOUTH INT/26.13 DME.
FAS OBST: 1168 AAO 390627N/0863618W.
CHART FIELD ELEVATION 846.
CHART TDZE 844.

1. PT R SIDE OF COURSE 173.66 OUTBOUND 2500 FT WITHIN 10 MILES OF NITTE (IAF)
- 2.
3. FAC: 353.66 FAF: NITTE/OOM 5.18 DME DIST FAF TO MAP: 4.99 THLD: 4.99
4. MIN. ALT: NITTE/OOM 5.18 DME 2500
5. DIST TO THLD FROM OM: 4.99 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 965
6. MIN GS INCPT: 2500 GS ALT AT: NITTE/OOM 5.18 DME 2500 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 50.3
8. MSA FROM: OOM VORTAC 040-140 3100, 140-040 2400

MAG VAR: 2W

EPOCH YEAR: 1990

MINIMUMS

TAKEOFF:		STANDARD	X	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
S-ILS 35		1044	1/2	200	1044	1/2	200	1044	1/2	200	1044	1/2	200			
S-LOC 35		1420	1/2	576	1420	1/2	576	1420	1	576	1420	1 1/4	576			
CIRCLING		1420	1	574	1420	1	574	1420	1 1/2	574	1420	2	574			

NOTES:
CHART PLANVIEW NOTE: DME REQUIRED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TERRE HAUTE INTL-HULMAN FIELD ALTIMETER SETTING AND INCREASE ALL DA 121 FEET AND ALL MDA 140 FEET AND INCREASE S-ILS 35 ALL CATS VISIBILITY 1/4 MILE, S-LOC 35 CAT C, D AND CIRCLING CAT C VISIBILITY 1/2 MILE AND CIRCLING CAT D SEE 8260-10.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
7
CHECKED

CITY AND STATE BLOOMINGTON, IN	ELEVATION: 846 TDZE: 844 AIRPORT NAME: MONROE COUNTY	FACILITY IDENTIFIER: I-BMG	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 35, AMDT 6 22 OCT 2009	SUP. ILS OR LOC RWY 35 AMDT: 5B DATED 12/05/2005

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING TERRE HAUTE INTL-HULMAN FIELD ALTIMETER SETTING:

INCREASE S-ILS 35 ALL CATS VISIBILITY TO 1 1/4 MILES.

CHART NOTE: DME FROM OOM VORTAC. SIMULTANEOUS RECEPTION OF I-BMG AND OOM DME REQUIRED.



CITY AND STATE BLOOMINGTON, IN	ELEVATION: 846 TDZE: 844 AIRPORT NAME: MONROE COUNTY	FACILITY IDENTIFIER: I-BMG	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 35, AMDT 6 22 OCT 2009	SUP: ILS OR LOC RWY 35
				AMDT: 5B
				DATED: 12/05/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
TACAN OR VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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
SJU VORTAC	ANTEN INT/SJU 6.00 DME	262.00 / 6.00	2000
WALNA/SJU 12.00 DME CCW (IAF)	BARVE/SJU 12.00 DME (NOPT)	12.00 DME ARC (SJU LR-272)	2200
BARVE/SJU 12.00 DME (IF)	CETLO/SJU 9.00 DME	082.00 / 3.00 (SJU R-262)	2100
CETLO/SJU 9.00 DME	ANTEN INT/SJU 6.00 DME	082.00 / 3.00 (SJU R-262)	1700

This is a corrected copy of a procedure published in TL 09-21.
CHANGED NAME OF MAP FROM FPNMR TO CUMAD.
CHANGED FAF TO MAP/THLD DIST TO 4.49.

MISSED APPROACH

MAP: 4.49 MILES AFTER ANTEN INT/SJU 6.00 DME OR AT CUMAD/SJU 1.51 DME FIX

CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 VIA HEADING 320 AND SJU VORTAC R-004 OUTBOUND TO DEEDY INT/SJU VORTAC 15.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
 HOLD N, RT, 183.77 INBOUND.
 CHART FAS OBST: 297 BLDG 182430N/0660325W
 CHART: 448 TWR 182443N/0660538W
 CHART VDP AT 3.02 DME;
 DISTANCE VDP TO THLD 1.51 MILES.
 CHART SJU R-004 AT WALNA.
 ANTEN TO RW08: 3.45/46.
 FAC 66R OF RWY C/L EXTENDED 3000 FROM THLD.

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD W ANTEN, LT, 082.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC 082.00 FAF ANTEN INT/SJU 6.00 DME DIST FAF TO MAP 4.49 THLD 4.49
4. MIN. ALT ANTEN 1700
8. MSA FROM: SJU VORTAC 100-280 5100, 280-100 2200

MAG VAR: 11W

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:		STANDARD	X	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		560	1/2	551	560	1/2	551	560	1	551	560	1 1/4	551	560	1 1/2	551		
CIRCLING		600	1	591	600	1	591	600	1 1/2	591	600	2	591	900	3	891		

NOTES:

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-8 CAT E VISIBILITY TO 2 MILES.
 CHART PLANVIEW NOTE: ADF OR DME REQUIRED.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART PLANVIEW NOTE: COURSE REVERSAL NA FOR CAT E.

@ CAT E 900-3



CITY AND STATE SAN JUAN, PR	ELEVATION: 9 TDZE: 9 AIRPORT NAME: LUIS MUNOZ MARIN INTL	FACILITY IDENTIFIER: SJU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR OR TACAN RWY 8, AMDT 1 22 OCT 2009	SUP VOR RWY 8
				AMDT ORIG
				DATE 08/08/2002

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION TACAN OR VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 4.49 MILES AFTER ANTEN INT/SJU 6.00 DME OR AT CUMAD/SJU 1.51 DME FIX CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 VIA HEADING 320 AND SJU VORTAC R-004 TO DEEDY INT/SJU 15.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 183.77 INBOUND. CHART FAS OBST: 297 BLDG 182430N/0660325W CHART: 448 TWR 182443N/0660538W CHART VDP AT 3.10 DME; DISTANCE VDP TO THLD 1.57 MILES. CHART SJU R-004 AT WALNA. ANTEN TO RW10: 3.47/50. FAC CROSSES RWY C/L EXTENDED 4946 FROM THLD.									
SJU VORTAC		ANTEN INT/SJU 6.00 DME		262.00 / 6.00				2000											
WALNA/SJU 12.00 DME CW (IAF)		BARVE/SJU 12.00 DME (NOPT)		12.00 DME ARC (SJU LR-272)				2200											
BARVE/SJU 12.00 DME (IF)		CETLO/SJU 9.00 DME		082.00 / 3.00 (SJU R-262)				2100											
CETLO/SJU 9.00 DME		ANTEN INT/SJU 6.00 DME		082.00 / 3.00 (SJU R-262)				1700											
This is a corrected copy of a procedure published in TL 09-21. CHANGED NAME OF MAP FROM FPNMR TO CUMAD. CHANGED FAF TO MAP FROM 4.41 TO 4.49..																			
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. <u>HOLD W ANTEN, LT, 082.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF)</u> 3. FAC <u>082.00</u> FAF <u>ANTEN INT/SJU 6.00 DME</u> DIST FAF TO MAP <u>4.49</u> THLD <u>4.45</u> 4. MIN. ALT <u>ANTEN 1700</u> 8. MSA FROM: <u>SJU VORTAC 100-280 5100, 280-100 2200</u>														MAG VAR: 11W EPOCH YEAR: 1985					
MINIMUMS																			
TAKEOFF:		STANDARD		X		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-10	560	1	551	560	1	551	560	1 1/2	551	560	1 3/4	551	560	2	551				
CIRCLING	600	1	591	600	1	591	600	1 1/2	591	600	2	591	900	3	891				
NOTES: CHART PLANVIEW NOTE: ADF OR DME REQUIRED. CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT. CHART PLANVIEW NOTE: COURSE REVERSAL NA FOR CAT E.																			
CITY AND STATE SAN JUAN, PR				ELEVATION: 9 TDZE: 9 AIRPORT NAME: LUIS MUNOZ MARIN INTL		FACILITY IDENTIFIER: SJU		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR OR TACAN RWY 10, AMDT 1 22 OCT 2009				SUP VOR RWY 10							
												AMDT ORIG							
												DATE 08/08/2002							



[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30687 Amdt. No 3340]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

SUMMARY: This 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: Harry J. Hodges, 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.

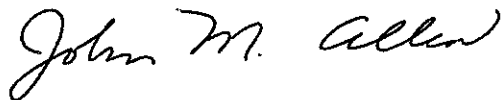
CONCLUSION

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 September 18, 2009.

A handwritten signature in cursive script that reads "John M. Allen".

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 OCT 2009

Quinhagak, AK, Quinhagak, RNAV (GPS) RWY 12, Orig
Quinhagak, AK, Quinhagak, RNAV (GPS) RWY 30, Orig
Quinhagak, AK, Quinhagak, Takeoff Minimums and Obstacle DP, Orig
Alabaster, AL, Shelby County, VOR-A, Amdt 7
Birmingham, AL, Birmingham-Shuttlesworth Intl, ILS OR LOC RWY 6, ILS RWY 6 (CAT II) Amdt 42
Birmingham, AL, Birmingham-Shuttlesworth Intl, ILS OR LOC/DME RWY 24, Amdt 2
Birmingham, AL, Birmingham-Shuttlesworth Intl, LOC RWY 18, Amdt 1
Birmingham, AL, Birmingham-Shuttlesworth Intl, RNAV (GPS) RWY 6, Amdt 1
Birmingham, AL, Birmingham-Shuttlesworth Intl, RNAV (GPS) RWY 18, Amdt 1
Birmingham, AL, Birmingham-Shuttlesworth Intl, RNAV (GPS) RWY 24, Amdt 2
Birmingham, AL, Birmingham-Shuttlesworth Intl, RNAV (GPS) RWY 36, Amdt 1
Demopolis, AL, Demopolis Muni, NDB RWY 4, Amdt 1
Napa, CA, Napa County, RNAV (GPS) Z RWY 36L, Orig-A
Tracy, CA, Tracy Muni, GPS RWY 25, Orig, CANCELLED
Tracy, CA, Tracy Muni, NDB RWY 12, Amdt 1
Tracy, CA, Tracy Muni, RNAV (GPS) RWY 26, Orig
Tracy, CA, Tracy Muni, Takeoff Minimums and Obstacle DP, Amdt 3
Tracy, CA, Tracy Muni, VOR/DME RWY 26, Orig
Tracy, CA, Tracy Muni, VOR OR GPS-A, Amdt 5, CANCELLED
Twentynine Palms, CA, Twentynine Palms, VOR RWY 26, Amdt 2A
Aspen, CO, Aspen-Pitkin Co/Sardy Field, LOC/DME-E, Amdt 1
Gunnison, CO, Gunnison-Crested Butte Rgnl, ILS OR LOC RWY 6, Amdt 5
Willimantic, CT, Windham, LOC RWY 27, Amdt 3
Washington, DC Washington Dulles Intl, RNAV (RNP) Z RWY 1C, Orig-C
Washington, DC Washington Dulles Intl, RNAV (RNP) Z RWY 1R, Orig-A
Washington, DC Washington Dulles Intl, RNAV (RNP) Z RWY 19C, Orig-B
Washington, DC Washington Dulles Intl, RNAV (RNP) Z RWY 19L, Orig-A
Wilmington, DE, New Castle, GPS RWY 9, Orig-B, CANCELLED
Wilmington, DE, New Castle, GPS RWY 27, Orig-A, CANCELLED
Wilmington, DE, New Castle, RNAV (GPS) RWY 1, Orig
Wilmington, DE, New Castle, RNAV (GPS) RWY 9, Orig
Wilmington, DE, New Castle, RNAV (GPS) RWY 19, Orig
Wilmington, DE, New Castle, RNAV (GPS) RWY 27, Orig
Miami, FL, Kendall-Tamiami Executive, RNAV (GPS) RWY 9L, Orig
Miami, FL, Kendall-Tamiami Executive, RNAV (GPS) RWY 27L, Amdt 1
Miami, FL, Kendall-Tamiami Executive, RNAV (GPS) RWY 27R, Orig
Titusville, FL, Space Coast Rgnl, ILS OR LOC RWY 36, Amdt 11
Titusville, FL, Space Coast Rgnl, RNAV (GPS) RWY 36, Orig
Atlanta, GA, Hartsfield-Jackson Atlanta Intl, ILS OR LOC RWY 26L, Amdt 19B
Atlanta, GA, Hartsfield-Jackson Atlanta Intl, ILS OR LOC RWY 26R, ILS RWY 26R (CAT II), Amdt 5

Atlanta, GA, Hartsfield-Jackson Atlanta Intl, ILS PRM RWY 26L (Simultaneous Close Parallel), Orig-A
Atlanta, GA, Hartsfield-Jackson Atlanta Intl, ILS PRM RWY 26R (Simultaneous Close Parallel), ILS PRM RWY 26R (CAT II), Amdt 1
Atlanta, GA, Newnan Coweta County, LOC RWY 32, Amdt 2
Atlanta, GA, Newnan Coweta County, RNAV (GPS) RWY 14, Amdt 1
Atlanta, GA, Newnan Coweta County, RNAV (GPS) RWY 32, Amdt 2
Brunswick, GA, Brunswick Golden Isles, ILS OR LOC RWY 7, Amdt 10
Cochran, GA, Cochran, RNAV (GPS) RWY 29, Orig
Cochran, GA, Cochran, Takeoff Minimums and Obstacle DP, Amdt 2
Cochran, GA, Cochran, VOR/DME RWY 5, Amdt 6
Jefferson, GA, Jackson County, RNAV (GPS) RWY 17, Amdt 1
Jefferson, GA, Jackson County, RNAV (GPS) RWY 35, Amdt 1
Jefferson, GA, Jackson County, Takeoff Minimums and Obstacle DP, Amdt 2
Jefferson, GA, Jackson County, VOR/DME RWY 35, Amdt 1
Jesup, GA, Jesup-Wayne County, NDB RWY 11, Amdt 2
Jesup, GA, Jesup-Wayne County, NDB RWY 29, Amdt 3
Jesup, GA, Jesup-Wayne County, RNAV (GPS) RWY 11, Orig
Jesup, GA, Jesup-Wayne County, RNAV (GPS) RWY 29, Orig
Jesup, GA, Jesup-Wayne County, Takeoff Minimums and Obstacle DP, Orig
Thomaston, GA, Thomaston-Upson County, ILS OR LOC RWY 30, Amdt 2
Thomaston, GA, Thomaston-Upson County, NDB RWY 30, Amdt 2
Thomaston, GA, Thomaston-Upson County, RNAV (GPS) RWY 12, Orig
Jerome, ID, Jerome County, GPS RWY 8, Orig, CANCELLED
Jerome, ID, Jerome County, GPS RWY 26, Orig, CANCELLED
Jerome, ID, Jerome County, RNAV (GPS) RWY 9, Orig
Jerome, ID, Jerome County, RNAV (GPS) RWY 27, Orig
Jerome, ID, Jerome County, Takeoff Minimums and Obstacle DP, Amdt 2
Jerome, ID, Jerome County, VOR/DME-A, Amdt 2
Fairfield, IL, Fairfield Muni, GPS RWY 9, Orig, CANCELLED
Fairfield, IL, Fairfield Muni, RNAV (GPS) RWY 9, Orig
Bogalusa, LA, George R Carr Memorial Air Fld, NDB OR GPS RWY 18, Amdt 3A, CANCELLED
Bogalusa, LA, George R Carr Memorial Air Fld, RNAV (GPS) RWY 18, Orig
Sault Ste Marie, MI, Chippewa County Intl, Takeoff Minimums and Obstacle DP, Orig
Boonville, MO, Jesse Viertel Memorial, NDB RWY 18, Amdt 10A, CANCELLED
Malden, MO, Malden Rgnl, RNAV (GPS) RWY 14, Orig
Malden, MO, Malden Rgnl, RNAV (GPS) RWY 18, Amdt 1
Malden, MO, Malden Rgnl, RNAV (GPS) RWY 32, Amdt 1
Malden, MO, Malden Rgnl, RNAV (GPS) RWY 36, Amdt 1
Malden, MO, Malden Rgnl, Takeoff Minimums and Obstacle DP, Orig
Malden, MO, Malden Rgnl, VOR RWY 32. Amdt 9
Malden, MO, Malden Rgnl, VOR/DME RWY 14. Amdt 1
Philadelphia, MS, Philadelphia Muni, RNAV (GPS) RWY 18, Amdt 1

Philadelphia, MS, Philadelphia Muni, RNAV (GPS) RWY 36, Amdt 1
Philadelphia, MS, Philadelphia Muni, Takeoff Minimums and Obstacle DP, Amdt 2
Greensboro, NC, Piedmont Triad Intl, ILS OR LOC RWY 5L, ILS RWY 5L (CAT II),
ILS RWY 5L (CAT III), Orig
Greensboro, NC, Piedmont Triad Intl, ILS OR LOC RWY 5R, ILS RWY 5R (CAT II),
Amdt 7
Greensboro, NC, Piedmont Triad Intl, ILS OR LOC RWY 23R, Orig
Greensboro, NC, Piedmont Triad Intl, RNAV (GPS) RWY 5L, Orig
Greensboro, NC, Piedmont Triad Intl, RNAV (GPS) RWY 23R, Orig
Reidsville, NC, Rockingham County NC Shiloh, GPS RWY 31, Orig, CANCELLED
Reidsville, NC, Rockingham County NC Shiloh, NDB RWY 31, Amdt 5
Reidsville, NC, Rockingham County NC Shiloh, RNAV (GPS) RWY 13, Orig
Reidsville, NC, Rockingham County NC Shiloh, RNAV (GPS) RWY 31, Orig
Reidsville, NC, Rockingham County NC Shiloh, Takeoff Minimums and Obstacle
DP, Amdt 2
Reidsville, NC, Rockingham County NC Shiloh, VOR/DME-A, Amdt 9
Potsdam, NY, Potsdam Muni/Damon Fld, Takeoff Minimums and Obstacle DP, Orig
Rochester, NY, Greater Rochester Intl, ILS OR LOC RWY 4, ILS RWY 4 (CAT II),
Amdt 20
Boise City, OK, Boise City, Takeoff Minimums and Obstacle DP, Orig
Columbia, SC, Jim Hamilton L.B. Owens, RADAR-1, Amdt 2
Brownfield, TX, Terry County, GPS RWY 2, Amdt 1A, CANCELLED
Brownfield, TX, Terry County, RNAV (GPS) RWY 2, Orig
Brownfield, TX, Terry County, RNAV (GPS) RWY 20, Orig
Brownfield, TX, Terry County, Takeoff Minimums and Obstacle DP, Orig
Corpus Christi, TX, Corpus Christi Intl, ILS OR LOC RWY 13, Amdt 27
Corpus Christi, TX, Corpus Christi Intl, ILS OR LOC RWY 35, Amdt 12
Corpus Christi, TX, Corpus Christi Intl, RNAV (GPS) RWY 13, Amdt 1
Floydada, TX, Floydada Muni, RNAV (GPS) RWY 17, Orig
Floydada, TX, Floydada Muni, RNAV (GPS) RWY 35, Orig
Floydada, TX, Floydada Muni, Takeoff Minimums and Obstacle DP, Orig
Houston, TX, West Houston, Takeoff Minimums and Obstacle DP, Amdt 3
Orange, TX, Orange County, NDB OR GPS-A, Amdt 1, CANCELLED
Orange, TX, Orange County, RNAV (GPS) RWY 22, Orig
Orange, TX, Orange County, Takeoff Minimums and Obstacle DP, Orig
Emporia, VA, Emporia-Greenville Rgnl, RNAV (GPS) RWY 15, Orig
Hoquiam, WA, Bowerman, RNAV (GPS) RWY 6, Amdt 1
Hoquiam, WA, Bowerman, RNAV (GPS) RWY 24, Amdt 1
Clarksburg, WV, North Central West Virginia, ILS OR LOC RWY 21, Amdt 2
Jackson, WY, Jackson Hole, RNAV (RNP) Y RWY 1, Orig-A
Jackson, WY, Jackson Hole, RNAV (RNP) Z RWY 1, Orig-B
Jackson, WY, Jackson Hole, RNAV (RNP) Z RWY 19, Orig-A
Pinedale, WY, Pinedale/Ralph Wenz Field, NDB RWY 29, Amdt 1A, CANCELLED
Pinedale, WY, Pinedale/Ralph Wenz Field, NDB-A, Orig

Pinedale, WY, Pinedale/Ralph Wenz Field, Takeoff Minimums and Obstacle DP, Amdt 2

On Monday, September 14, 2009 (74 FR 176) The FAA published several Amendments in Docket No. 30683; Amdt No. 3336 to Part 97 of the Federal Aviation Regulations under sections 97.23 and 97.33. The following entries are hereby corrected to have an effective date of October 22, 2009:

Daggett, CA, Barstow-Daggett, RNAV (GPS) RWY 22, Amdt 1

Daggett, CA, Barstow-Daggett, RNAV (GPS) RWY 26, Amdt 1

Daggett, CA, Barstow-Daggett, Takeoff Minimums and Obstacle DP, Amdt 2

Daggett, CA, Barstow-Daggett, VOR OR TACAN RWY 22, Amdt 9

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
WIPNA (IAF)	HOTKU (NOPT) (FB)	029.74 / 5.00	2500	LPV: DA LNAV/VNAV: DA LNAV: RW12	
ZURUX (IAF)	HOTKU (NOPT) (FB)	209.94 / 5.00	2500	CLIMB TO 4500 DIRECT VIVUC AND VIA 087.11 TRACK TO HUBUK AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4500.	
HOTKU (IF/IAF)	JOSAD (FB)	119.84 / 6.01	1600		
				ADDITIONAL FLIGHT DATA: HOLD NE, RT, 210.54 INBOUND. CHART FAS OBST: 64 TREE 594531N/1615121W FAS OBST: 220 AAO 594749N/1615554W DISTANCE TO THLD FROM 645 HAT: 1.92 NM. WAAS CHANNEL # 99311 REFERENCE PATH ID: W12A CHART WAAS SYMBOL CHART PLATINUM AWOS-3, 118.375.	
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW HOTKU, RT, 119.84 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: 119.96 FAF: JOSAD DIST FAF TO MAP: 4.72 THLD: 4.72 4. MIN. ALT: HOTKU 2500, JOSAD 1600 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 1600 GS ALT AT: JOSAD <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 35.0 34:1 IS CLEAR 8. MSA FROM: <u> </u>					
				MAG VAR: 14E EPOCH YEAR: 2010	

MINIMUMS

TAKEOFF:	STANDARD	X	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	687	2 1/4	645	687	2 1/4	645	687	2 1/4	645	687	2 1/4	645				
LNAV/VNAV DA	729	2 1/2	687	729	2 1/2	687	729	2 1/2	687	729	2 1/2	687				
LNAV MDA	880	1	838	880	1 1/4	838	880	2 1/2	838	880	2 3/4	838				
CIRCLING	880	1	838	880	1 1/4	838	880	2 1/2	838	880	2 3/4	838				

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: USE PLATINUM ALTIMETER SETTING.

CITY AND STATE QUINHAGAK, AK	ELEVATION: 42 TDZE: 42 AIRPORT NAME: QUINHAGAK	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, ORIG 22 OCT 2009	SUP: AMDT: NONE DATED



**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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TAA

	FROM	TO	ALT
1.	030/30 CW 210/30 (NOPT)	HOTKU (IF/IAF) (FB)	2500
2.	210/30 CW 300/30	210/9 CW 300/9 (FB)	5200
3.	210/9 CW 300/9	ZURUX (IAF) (FB)	2500
4.	300/30 CW 030/30	300/15 CW 030/15 (FB)	4800
5.	300/15 CW 030/15	WIPNA (IAF) (FB)	2500

CITY AND STATE

QUINHAGAK, AK

ELEVATION: 42 TDZE: 42

AIRPORT NAME:

QUINHAGAK

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 12, ORIG
22 OCT 2009

SUP:

AMDT: NONE

DATED:

 QUALITY
 3
 2009

**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

0
0
PAQH
RW12
0

0
W12A
594532.0365N
1615111.3725W
+00254
594430.2200N
1614904.8500W
00035.0
F
03.00
106.75
1528
40.0
50.0

CRC REMAINDER

3A629426

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

PA
+00125
+00125

CITY AND STATE

QUINHAGAK, AK

ELEVATION: 42 TDZE: 42

AIRPORT NAME:

QUINHAGAK

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 12, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

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.

[illegible][illegible][illegible][illegible][illegible]

CITY AND STATE QUINHAGAK, AK	ELEVATION: 42 TDZE: 42 AIRPORT NAME: QUINHAGAK	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED: QUAT

QUALITY
3
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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. Cellings are 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 PAQHPAPR12 RW12 001 0000W12A0N5945320365W16151113725+002540300N5944302200W16149048500106751528000350F4005003A629426
 SCANP PAQHPAPR12 RW12 002E +00125+00125LPV 99311 000

CITY AND STATE

QUINHAGAK, AK

ELEVATION: 42 TDZE: 42

AIRPORT NAME:

QUINHAGAK

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 12, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

QUALITY
3
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	HOTKU	HOTKU	010		HF	R	FB		119.8(134T)	004.0	02500
	WIPNA	WIPNA	010	IAF	IF		FB				
	WIPNA	HOTKU	020		TF		FB	1.0	029.7(044T)	005.0	02500
	ZURUX	ZURUX	010	IAF	IF		FB				
	ZURUX	HOTKU	020		TF		FB	1.0	209.9(224T)	005.0	02500
		HOTKU	010	FACF	IF		FB				02500
		JOSAD	020	FAF	TF		FB	0.5	119.8(134T)	006.0	01600
		RW12	030	MAP	TF		FO	0.3	120.0(134T)	004.7	00076

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	VIVUC	040		DF		FB	1.0			
	HUBUK	050		TF		FO	1.0	087.1(101T)		04500
	HUBUK	060		HM	R	FO	2.0	210.5(225T)	005.0	04500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HOTKU	N595257.70	W1620629.43	N5952.962	W16206.491
	HUBUK	N593627.21	W1611839.93	N5936.454	W16118.666
	JOSAD	N594848.46	W1615754.71	N5948.808	W16157.912
	VIVUC	N593813.79	W1613618.88	N5938.230	W16136.315
	WIPNA	N594921.70	W1621321.03	N5949.362	W16213.351
	ZURUX	N595633.34	W1615936.34	N5956.556	W16159.606
	RW12	N594532.04	W1615111.37	N5945.534	W16151.190

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW12	00041		35

CITY AND STATE
QUINHAGAK, AK

ELEVATION: 42 TDZE: 42
AIRPORT NAME:
QUINHAGAK

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 12, ORIG
22 OCT 2009

SUP:
AMDT: NONE
DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
UCILO (IAF)	CUTEB (NOPT) (FB)	030.34 / 5.00	5200	LPV: DA LNAV/VNAV: DA LNAV: RW30 CLIMB TO 2500 DIRECT JOSAD AND VIA 260.19 TRACK TO WIPNA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 029.74 INBOUND. CHART FAS OBST: 64 TREE 594500N/1615019W FAS OBST: 249 AAO 594245N/1614531W DISTANCE TO THLD FROM 645 HAT: 1.92 NM. WAAS CHANNEL # 58310 REFERENCE PATH ID: W30A CHART WAAS SYMBOL CHART PLATINUM AWOS-3, 118.375.											
HUBUK (IAF)	CUTEB (NOPT) (FB)	210.54 / 5.00	5200												
CUTEB (IF/IAF)	VIVUC (FB)	300.44 / 7.65	3300												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE CUTEB, LT, 300.44 INBOUND, 5200 FT. IN LIEU OF PT (IAF) 3. FAC: <u>300.28</u> FAF: <u>VIVUC</u> DIST FAF TO MAP: <u>9.85</u> THLD: <u>9.85</u> 4. MIN. ALT: <u>CUTEB 5200, VIVUC 3300</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>3300</u> GS ALT AT: <u>VIVUC</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>35.0</u> 34:1 IS CLEAR 8. MSA FROM: <u> </u>				MAG VAR: 14E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: <u> </u>	☐ STANDARD	☒ 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	687	2 1/4	645	687	2 1/4	645	687	2 1/4	645	687	2 1/4	645			
LNAV/VNAV DA	729	2 1/2	687	729	2 1/2	687	729	2 1/2	687	729	2 1/2	687			
LNAV MDA	1100	1 1/4	1058	1100	1 1/2	1058	1100	3	1058	1100	3	1058			
CIRCLING	1100	1 1/4	1058	1100	1 1/2	1058	1100	3	1058	1100	3	1058			
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: USE PLATINUM ALTIMETER SETTING.															
CITY AND STATE		ELEVATION: 42 TDZE: 42		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
QUINHAGAK, AK		AIRPORT NAME: QUINHAGAK				RNAV (GPS) RWY 30, ORIG				AMDT: NONE					
						22 OCT 2009				DATED					

QUALITY
3
Checked

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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TAA

	FROM	TO	ALT
1.	211/30 CW 256/30 (NOPT)	211/20 CW 256/20	5500
2.	256/30 CW 030/30	CUTEB (IF/IAF) (FB)	5200
3.	211/20 CW 256/20	CUTEB (IF/IAF) (FB)	5200
4.	030/30 CW 120/30	UCILO (IAF) (FB)	5200
5.	120/30 CW 211/30	120/20 CW 211/20	6700
6.	120/20 CW 211/20	HUBUK (IAF) (FB)	5200

CITY AND STATE

QUINHAGAK, AK

ELEVATION: 42 TDZE: 42

AIRPORT NAME:

QUINHAGAK

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

 QUALITY
3
CHECKER

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAQH
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	594504.6355N
LTP/FTP LONGITUDE	1615015.2655W
LTP/FTP ELLIPSOIDAL HEIGHT	+00257
FPAP LATITUDE	594606.4500N
FPAP LONGITUDE	1615221.8500W
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	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

8D03F5EA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00128
FPAP ORTHOMETRIC HEIGHT	+00128

CITY AND STATE QUINHAGAK, AK	ELEVATION: 42 TDZE: 42 AIRPORT NAME: QUINHAGAK	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 22 OCT 2009	SUP:
				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. Cellings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible][illegible][illegible][illegible][illegible]

CITY AND STATE QUINHAGAK, AK	ELEVATION: 42 TDZE: 42 AIRPORT NAME: QUINHAGAK	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

QUALITY
3
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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SCANP PAQHPAPR30 RW30 001 0000W30A0N5945046355W16150152655+002570300N5946064500W16152218500106751528000350F4005008D03F5EA
 SCANP PAQHPAPR30 RW30 002E +00128+00128LPV 58310 000

CITY AND STATE QUINHAGAK, AK	ELEVATION: 42 TDZE: 42 AIRPORT NAME: QUINHAGAK	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CUTEB	CUTEB	010		HF	L	FB		300.4 (314T)	005.0	05200
	HUBUK	HUBUK	010	IAF	IF		FB				
	HUBUK	CUTEB	020		TF		FB	1.0	210.5 (225T)	005.0	05200
	UCILO	UCILO	010	IAF	IF		FB				
	UCILO	CUTEB	020		TF		FB	1.0	030.3 (044T)	005.0	05200
		CUTEB	010	PACF	IF		FB				05200
		VIVUC	020	FAP	TF		FB	0.5	300.4 (314T)	007.7	03300
		RW30	030	MAP	TF		FO	0.3	300.3 (314T)	009.9	00077

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JOSAD	040		DF		FB	1.0			
	WIPNA	050		TF		FO	1.0	260.2 (274T)		02500
	WIPNA	060		HM	R	FO	2.0	029.7 (044T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUTEB	N593253.74	W1612533.33	N5932.896	W16125.556
	HUBUK	N593627.21	W1611039.93	N5936.454	W16118.666
	JOSAD	N594848.46	W1615754.71	N5948.808	W16157.912
	UCILO	N592919.91	W1613225.28	N5929.332	W16132.421
	VIVUC	N593813.79	W1613618.88	N5938.230	W16136.315
	WIPNA	N594921.70	W1621321.03	N5949.362	W16213.351
	RW30	N594504.64	W1615015.27	N5945.077	W16150.255

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW30	00042	35

CITY AND STATE

QUINHAGAK, AK

ELEVATION: 42 TDZE: 42

AIRPORT NAME:

QUINHAGAK

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

QUALITY
3
CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 30, STANDARD.

RWY 12, STANDARD WITH MINIMUM CLIMB OF 220 FEET PER NM TO 3600, OR 1100-3 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 12 - FOR CLIMB IN VISUAL CONDITIONS: CROSS QUINHAGAK AIRPORT AT OR ABOVE 1,000 MSL BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 30, TREE 22' FROM DER, 425' LEFT OF CENTERLINE 15' AGL/64' MSL.

NOTE: RWY 12, TREE 248' FROM DER, 438' LEFT OF CENTERLINE 15' AGL/64' MSL. TREE 9' FROM DER, 411' RIGHT OF CENTERLINE 15' AGL/64' MSL. REFLECTOR 19' FROM DER, 279' RIGHT OF CENTERLINE. 21' AGL/46' MSL.

(4) CONTROLLING OBSTACLES:

RWY 12: 2739 MSL 200 AAO, 593020.80N-1613724.20W.

(5) City, State

QUINHAGAK, ALASKA

(6) Airport

QUINHAGAK

(7) Effective Date

22 OCT 2009

(8) Amdt. No.

ORIG

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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										MISSED APPROACH						
FROM	TO	COURSE AND DISTANCE			ALTITUDE	MAP: 4.57 MILES AFTER ALRIC INT/19.00 DME OR AT 23.57 DME FIX CLIMBING RIGHT TURN TO 2400 VIA HEADING 309 AND OKW VORTAC R-099 TO WOODS INT/9.41 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 099.00 INBOUND. CHART FAS OBST: 1009 TOWER 331114N/0865312W FAC CROSSES MID POINT OF RWY 16-34.										
OAKGO INT	OKW VORTAC	183.00 / 12.84			2300											
OKW VORTAC (IAF)	WOODS INT/9.41 DME	099.00 / 9.41			2300											
WOODS INT/9.41 DME (IF)	ALRIC INT/19.00 DME	099.00 / 9.59			2300											
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT WOODS 3. FAC <u>099.00</u> FAF <u>ALRIC INT/19.00 DME</u> DIST FAF TO MAP <u>4.57</u> THLD <u> </u> 4. MIN. ALT <u>WOODS 2300, ALRIC 2300</u> 8. MSA FROM: <u>OKW VORTAC 3700</u>										MAG VAR: 0E EPOCH YEAR: 1990						
MINIMUMS																
TAKEOFF:	STANDARD	X	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	
CIRCLING	1300	1	713	1300	1 1/4	713	1300	2	713	1300	2 1/4	713				
NOTES: CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OKW VORTAC VIA V66 WESTBOUND. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BIRMINGHAM ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE CIRCLING CAT C AND D VISIBILITY 1/4 MILE.																
CITY AND STATE ALABASTER, AL		ELEVATION: 587 TDZE: AIRPORT NAME: SHELBY COUNTY		FACILITY IDENTIFIER: OKW		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 7 22 OCT 2009				SUP VOR OR GPS-A						
										AMDT 6						
										DATE 10/23/1986						

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE 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.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.54 MILES AFTER MCDEN LOM/INT CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 DIRECT VUZ VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 3300 VIA HEADING 058 AND GAD R-231 TO SPATT INT/GAD 28.80 DME AND HOLD NE, RT, 231.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 226.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NE SPATT INT, RT, 231.00 INBOUND. CHART FAS OBST: 839 TREE 333150N/0864900W CHART VUZ R-298 AT NEGEE. CHART IN PLANVIEW: SPATT INT. CHART 3100 PRIOR TO MCDEN LOM IN PROFILE. DO NOT CHART I-ROE REFERENCE IN PLANVIEW AT SPATT ALTERNATE MISSED APPROACH FIX	
VUZ VORTAC	MCDEN LOM/INT	162.06 / 9.90	3100		
NEGEE/VUZ 16.00 DME CCW (IAF)	GUFLO INT/VUZ 16.00 DME (NOPT)	16.00 DME ARC (VUZ LR-205)	3000		
OKW VORTAC (IAF)	GUFLO INT/VUZ 16.00 DME (NOPT)	048.65 / 16.25	3000		
GUFLO INT/VUZ 16.00 DME (IF)	CEMPO INT	058.45 / 5.50 (I-BHM)	2600		
CEMPO INT	MCDEN LOM/INT	058.45 / 4.32 (I-BHM)	2200		
1. PT <u>R</u> SIDE OF COURSE <u>238.45</u> OUTBOUND <u>2700</u> FT WITHIN <u>10</u> MILES OF <u>MCDEN LOM</u> (IAF) 2. 3. FAC: <u>058.45</u> FAF: <u>MCDEN LOM/INT</u> DIST FAF TO MAP: <u>4.54</u> THLD: <u>4.54</u> 4. MIN. ALT: <u>MCDEN 2200</u> 5. DIST TO THLD FROM OM: <u>4.54</u> MM: <u>0.43</u> IM: <u>884</u> 150 HAT: <u>-</u> 100 HAT: <u>939</u> GS ANT: <u>1018</u> 6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>GS INTCP</u> OM: <u>2121</u> MM: <u>794</u> IM: <u>703</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>53.4</u> 8. MSA FROM: <u>BH LOM 3700</u>				MAG VAR: 3W EPOCH YEAR: 2010	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	ILS: STANDARD LOC: STANDARD
CATEGORY ==>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 6	806	1800	200	806	1800
S-LOC 6	1120	2400	514	1120	5000
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 6: DA 706 MSL, 118 RA, RVR 1200, HAT 100; CAT A, B, C, D. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-ILS 6 CAT E VISIBILITY TO RVR 4000 AND S-LOC 6 CAT E SEE 8260-10					
CITY AND STATE		ELEVATION: 650 TDZE: 606		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
BIRMINGHAM, AL		AIRPORT NAME:		ILS OR LOC RWY 6, AMDT 42	
		BIRMINGHAM-SHUTTLESWORTH INTL		ILS RWY 6 (CAT II)	
				22 OCT 2009	
				SUP:	
				AMDT: 41B	
				DATED 07/13/1999	

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

VISIBILITY TO 1 3/4.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OKW VORTAC VIA V66 WESTBOUND.

CHART NOTE: CAT E PROCEDURE TURN NA.



CITY AND STATE

BIRMINGHAM, AL

ELEVATION: 650

TDZE: 606

AIRPORT NAME:

BIRMINGHAM-SHUTTLESWORTH INTL

FACILITY
IDENTIFIER:

I-BHM

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 6, AMDT 42
ILS RWY 6 (CAT II)
22 OCT 2009

SUP:

AMDT: 41B

DATED: 07/13/1999

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE 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.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: I-ROE 1.94 DME FIX CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT VUZ VORTAC AND HOLD (TACAN AIRCRAFT CONTINUE VIA VUZ VORTAC R-333 TO SIPSY/VUZ 14.81 DME AND HOLD NW, RT, 152.79 INBOUND); OR WHEN DIRECTED BY ATC, CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 VIA HEADING 058 AND TDG VOR/DME R-283 TO SPATT INT/TDG 25.93 DME AND HOLD NE, RT, 238.47 INBOUND. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 226.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NE SPATT INT, RT, 238.47 INBOUND. CHART FAS OBST: 897 TREE 333515N/0864321W CHART 1390 TOWER 333601N/0864002W. CHART 1397 TOWER 333638N/0863920W. CHART VDP AT 3.36 DME; DISTANCE VDP TO THLD 1.42 MILES. CHART TDG 25.9 DME AT SPATT IN PLANVIEW ONLY.	
TDG VOR/DME	SPATT INT/I-ROE 14.06 DME	282.99 / 25.93	3300		
VUZ VORTAC	SPATT INT/I-ROE 14.06 DME	084.84 / 17.89	3300		
SPATT INT/I-ROE 14.06 DME (IF/IAF)	HUKEV/I-ROE 9.80 DME	238.47 / 4.26 (I-ROE)	2700		
HUKEV/I-ROE 9.80 DME	LOWGA/I-ROE 6.62 DME	238.47 / 3.18 (I-ROE)	2200		

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. HOLD NE SPATT, RT, 238.47 INBOUND, 3300 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>238.47</u> FAF: <u>LOWGA/I-ROE 6.62 DME</u> DIST FAF TO MAP: <u> </u> THLD: <u>4.68</u>	
4. MIN. ALT: <u>HUKEV 2700, LOWGA 2200, CUXOB/I-ROE 5.14 DME 1720*</u>	
5. DIST TO THLD FROM OM: <u>4.68</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1235</u>	
6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>LOWGA 2200</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u>	
7. GS ANGLE: <u>3.00</u> TCH: <u>51.2</u>	
8. MSA FROM: <u>VUZ VORTAC 3700</u>	

MAG VAR: 3W EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF: <u> </u>	☐ STANDARD ☒ X		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 24	942	4000	292	942	4000	292	942	4000	292	942	4000	292	942	4000	292
S-LOC 24	1160	4000	510	1160	4000	510	1160	5000	510	1160	5000	510	1160	6000	510

NOTES:
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 24 CAT E VISIBILITY TO RVR 5000 AND S-LOC 24 CATS A AND B VISIBILITY TO RVR 5000, AND S-LOC 24 CAT E VISIBILITY TO 1 3/4.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT SPATT INT ON V209 SOUTHWEST BOUND.
 SEE 8260-10

CITY AND STATE	ELEVATION: 650 TDZE: 650	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BIRMINGHAM, AL	AIRPORT NAME:	I-ROE	ILS OR LOC/DME RWY 24, AMDT 2	AMDT: 1A
	BIRMINGHAM-SHUTTLESWORTH INTL		22 OCT 2009	DATED 08/28/2008

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

*LOC ONLY

CITY AND STATE

BIRMINGHAM, AL

ELEVATION: 650 TDZE: 650

AIRPORT NAME:

BIRMINGHAM-SHUTTLESWORTH INTL

FACILITY
IDENTIFIER:

I-ROE

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 24, AMDT 2

22 OCT 2009

SUP:

AMDT: 1A

DATED: 08/28/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - 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.				
TERMINAL ROUTES					MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: 4.68 MILES AFTER BASKN INT/I-BXO 6.02 DME OR AT I-BXO 1.34 DME FIX CLIMB TO 3800 VIA HEADING 181 AND VUZ R-137 TO HANDE INT/VUZ VORTAC 28.56 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 316.51 INBOUND. CHART FAS OBST: 910 TREE 333612N/0864451W CHART 995 TOWER 333727N/0864451W. 1115 AAO 333915N/0864423W BASKN TO RW18: 3.24/48					
VUZ VORTAC	BASKN INT/I-BXO 6.02 DME	096.37 / 7.73	3000						
1. PT <u>L</u> SIDE OF COURSE <u>003.03</u> OUTBOUND <u>3000</u> FT WITHIN <u>10</u> MILES OF <u>BASKN</u> (IAF) 2. _____ 3. FAC <u>183.03</u> FAF <u>BASKN INT/I-BXO 6.02 DME</u> DIST FAF TO MAP <u>4.68</u> THLD <u>4.68</u> 4. MIN. ALT <u>BASKN 2300, IMTOY/3.34 DME 1380</u> 8. MSA FROM: <u>VUZ VORTAC 3700</u>					MAG VAR: <u>3W</u> EPOCH YEAR: <u>2010</u>				
MINIMUMS									
TAKEOFF:	STANDARD	X	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
S-18	1380	1	736	1380	1	736	1380	2	736
IMTOY FIX MINIMUMS									
S-18	1200	1	556	1200	1	556	1200	1 1/2	556
NOTES: _____ @ CAT D 800-2 1/4									
CITY AND STATE		ELEVATION: 650 TDZE: 644		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP	
BIRMINGHAM, AL		AIRPORT NAME:		I-BXO		LOC RWY 18, AMDT 1		AMDT ORIG-A	
		BIRMINGHAM-SHUTTLESWORTH INTL				22 OCT 2009		DATE 08/14/1997	

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HEENA (IAF)	GUFLO (FB)	334.69 / 14.41	3000
OKW VORTAC (IAF)	GUFLO (FB)	051.65 / 16.25	3000
RIMZO (IAF)	GUFLO (FB)	148.28 / 8.70	3000
GUFLO (IF)	CEMPO (FB)	058.33 / 5.50	2600
CEMPO	JUSGO (FB)	058.33 / 4.07	2200

LPV: DA
LNAV/VNAV: DA
LNAV: RW06

CLIMB TO 3300 DIRECT SPATT AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 238.58 INBOUND.
CHART FAS OBST: 690 TRMSN POLE 333247N/0864706W
CHART FAS OBST: 1049 BLDG 333104N/0864830W
CHART 995 TOWER 333727N/0864451W.
DISTANCE TO THLD FROM 200 HAT: 0.47 NM.
CHART VDP AT 2.41 MILES TO RW06* *LNAV ONLY.
WAAS CHANNEL # 82014
REFERENCE PATH ID: W06A

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT GUFLO
- FAC: 058.41 FAF: JUSGO DIST FAF TO MAP: 4.78 THLD: 4.78
- MIN. ALT: GUFLO 3000, CEMPO 2600, JUSGO 2200
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2200 GS ALT AT: JUSGO 2200 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 53.4 34:1 IS CLEAR
- MSA FROM: RW06 3100

MAG VAR: 3W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	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	806	2400	200	806	2400	200	806	2400	200	806	2400	200				
LNAV/VNAV DA	1120	6000	514	1120	6000	514	1120	6000	514	1120	6000	514				
LNAV MDA	1440	2400	834	1440	4000	834	1440	2	834	1440	2 1/4	834				

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).

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

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HEENA VIA V115 SOUTHBOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CITY AND STATE

BIRMINGHAM, AL

ELEVATION: 650 TDZE: 606

AIRPORT NAME:

BIRMINGHAM-SHUTTLESWORTH INTL

FACILITY

IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, AMDT 1

22 OCT 2009

SUP:

AMDT: ORIG-A

DATED 10/23/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 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 KBHM
RUNWAY RW06
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W06A
LTP/FTP LATITUDE 333317.2235N
LTP/FTP LONGITUDE 0864617.6665W
LTP/FTP ELLIPSOIDAL HEIGHT +01548
FPAP LATITUDE 333424.8100N
FPAP LONGITUDE 0864420.3700W
THRESHOLD CROSSING HEIGHT (TCH) 00053.4
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.50
LENGTH OFFSET 0016
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

78E62E32

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +01839
FPAP ORTHOMETRIC HEIGHT +01839

QUALITY
1
CHECKED

CITY AND STATE BIRMINGHAM, AL	ELEVATION: 650 TDZE: 606 AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 22 OCT 2009	SUP:
				AMDT: ORIG-A
				DATED: 10/23/2008

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.

[illegible]

DATED: 10/23/2008

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.

[illegible]

SUP:	
AMDT:	ORIG-A
DATED:	10/23/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HEENA	HEENA	010	IAF	IF		FB				
	HEENA	GUFLO	020		TF		FB	1.0	334.7 (332T)	014.4	03000
	OKW	OKW	010	IAF	IF		FB				
	OKW	GUFLO	020		TF		FB	1.0	051.7 (049T)	016.3	03000
	RIMZO	RIMZO	010	IAF	IF		FB				
	RIMZO	GUFLO	020		TF		FB	1.0	148.3 (145T)	008.7	03000
		GUFLO	010	FACF	IF		FB				03000
		CEMPO	011	SDF	TF		FB	0.5	058.3 (055T)	005.5	02600
		JUSGO	020	FAF	TF		FB	0.5	058.3 (055T)	004.1	02200
		RW06	030	MAP	TF		FO	0.3	058.4 (055T)	004.8	00657

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SPATT	040		DF		FO	1.0			03300
	SPATT	050		HM	R	FO	2.0	238.6 (236T)	006.0	03300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OKW	N331422.42	W0871459.99	N3314.374	W08715.000
	CEMPO	N332815.19	W0865500.66	N3328.253	W08655.011
	GUFLO	N332507.10	W0870025.29	N3325.118	W08700.422
	HEENA	N331224.62	W0865215.28	N3312.410	W08652.255
	JUSGO	N333034.10	W0865100.32	N3330.568	W08651.005
	RIMZO	N333217.00	W0870620.47	N3332.283	W08706.341
	SPATT	N334110.08	W0863234.77	N3341.168	W08632.580
	RW06	N333317.22	W0864617.67	N3333.287	W08646.295

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW06	00603	53

CITY AND STATE BIRMINGHAM, AL	ELEVATION: 650 TDZE: 606	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 22 OCT 2009	SUP:
	AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL			AMDT: ORIG-A
				DATED: 10/23/2008

PAGE 1 OF 4 PAGES

**RNAV (GPS) 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 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)[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBHMK7FR18	ACAPUN	010CAPUNK7EA0E	A	IF					18000			B JS	
SUSAP KBHMK7FR18	ACAPUN	020COLIGK7EA0EE		010TF			09290079	+ 03500				B JS	
SUSAP KBHMK7FR18	ACOLIG	010COLIGK7EA0EE	AR	HF			18300040	+ 03500	18000			B JS	
SUSAP KBHMK7FR18	ATDG	010TDG K7D 0V		IF					18000			B JS	
SUSAP KBHMK7FR18	ATDG	020ALEPEK7EA0E	A	020TF			29650319	+ 04000				B JS	
SUSAP KBHMK7FR18	ATDG	030COLIGK7EA0EE		010TF			27310060	+ 03500				B JS	
SUSAP KBHMK7FR18	R	010COLIGK7EA0E	I	IF				+ 03500	18000			B JS	
SUSAP KBHMK7FR18	R	011BIDPEK7EA0E	S	051TF			18300041	+ 02600				B JS	
SUSAP KBHMK7FR18	R	020BASKNK7EA1E	F	051TF			18300040	+ 02300			RW18	K7PGB JS	
SUSAP KBHMK7FR18	R	020BASKNK7EA2WN			N	ALNAV						JS	
SUSAP KBHMK7FR18	R	021IMTOYK7EA0E	S	031TF			18300027	V 0138001384		-324		B JS	
SUSAP KBHMK7FR18	R	030RW18 K7PGOGY	M	031TF			18300020	00692		-324		B JS	
SUSAP KBHMK7FR18	R	040HAMGAK7EA0E	M	010DF								B JS	
SUSAP KBHMK7FR18	R	050HANDEK7EA0EY		010TF			1413	+ 03800				B JS	

QUALITY
CHECKED

CITY AND STATE
BIRMINGHAM, AL

ELEVATION: 650 TDZE: 644
AIRPORT NAME:
BIRMINGHAM-SHUTTLESWORTH INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18, AMDT 1
22 OCT 2009

SUP:	
AMDT:	ORIG
DATED:	03/02/2001

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

31850040 + 03800

B JS

SUSAP KBHMK7GRW18 0071001830 N33342358W086444991-0200 +0167200644000048150R

SUSAP KBHMK7SRW18 K7PG 0 18018003125

M

SUP:	
AMDT:	ORIG
DATED:	03/02/2001

PAGE 3 OF 4 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CAPUN	CAPUN	010	IAF	IF		FB				
	CAPUN	COLIG	020		TF		FB	1.0	092.9(090T)	007.9	03500
	COLIG	COLIG	010	IAF	HF	R	FO		183.0(180T)	004.0	03500
	TDG	TDG	010		IF		FB				
	TDG	ALEPE	020	IAF	TF		FB	2.0	296.5(294T)	031.9	04000
	TDG	COLIG	030		TF		FB	1.0	273.1(270T)	006.0	03500
		COLIG	010	FACF	IF		FB				03500
		BIDPE	011	SDF	TF		FB	0.5	183.0(180T)	004.1	02600
		BASKN	020	FAF	TF		FB	0.5	183.0(180T)	004.0	02300
		IMTOY	021	SDF	TF		FB	0.3	183.0(180T)	002.7	0138001384
		RW18	030	MAP	TF		FO	0.3	183.0(180T)	002.0	00692

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HAMGA	040		DF		FB	1.0			
	HANDE	050		TF		FO	1.0	141.3(138T)		03800
	HANDE	060		HM	R	FO	2.0	318.5(316T)	004.0	03800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TDG	N333430.55	W0860233.67	N3334.509	W08602.561
	ALEPE	N334708.09	W0863737.52	N3347.135	W08637.625
	BASKN	N333904.71	W0864449.73	N3339.079	W08644.829
	BIDPE	N334305.34	W0864449.58	N3343.089	W08644.826
	CAPUN	N334708.38	W0865415.97	N3347.140	W08654.266
	COLIG	N334708.49	W0864449.44	N3347.142	W08644.824
	HAMGA	N333123.25	W0864450.02	N3331.388	W08644.834
	HANDE	N331844.40	W0863124.44	N3318.740	W08631.407
	IMTOY	N333623.80	W0864449.83	N3336.397	W08644.831
	RW18	N333423.58	W0864449.91	N3334.393	W08644.832

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW18	00644	48

QUALITY
CHECKED

CITY AND STATE BIRMINGHAM, AL	ELEVATION: 650 TDZE: 644	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1 22 OCT 2009	SUP:
	AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL			AMDT: ORIG
				DATED: 03/02/2001

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV: RW24 CLIMB TO 3000 DIRECT CASPO AND VIA TRACK 307.46 TO HUVUP AND VIA TRACK 011.54 TO VUZ VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 229.00 INBOUND. CHART FAS OBST: 1299 TREE 333407N/0864148W CHART 1397 TOWER 333638N/0863920W. DISTANCE TO THLD FROM 321 HAT: 0.88 NM. CHART VDP AT 1.92 MILES TO RW24* *LNAV ONLY. WAAS CHANNEL # 53605 REFERENCE PATH ID: W24A											
TDG VOR/DME	EZRUB (FB)	287.99 / 19.93	3300												
VUZ VORTAC	LEPHO (FB)	070.72 / 15.62	3300												
EZRUB (IAF)	SPATT (NOPT) (FB)	287.77 / 6.00	3300												
LEPHO (IAF)	SPATT (NOPT) (FB)	148.54 / 6.00	3300												
SPATT (IF/IAF)	HUKEV (FB)	238.58 / 4.26	2700												
HUKEV	LOWGA (FB)	238.58 / 3.18	2200												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE SPATT, RT, 238.58 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC: 238.51 FAF: LOWGA DIST FAF TO MAP: 4.68 THLD: 4.68 4. MIN. ALT: SPATT 3300, HUKEV 2700, LOWGA 2200, CUXOB/3.20 NM TO RW24 1720* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2200 GS ALT AT: LOWGA OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 51.2 34:1 IS NOT CLEAR 8. MSA FROM: RW24 3100				MAG VAR: 3W EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	@STANDARD										
CATEGORY =====>	A		B		C										
	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	971	4000	321	971	4000	321	971	4000	321	971	4000	321	971	4000	321
LNAV MDA	1320	4000	670	1320	4000	670	1320	6000	670	1320	1 1/2	670	1320	1 3/4	670
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT SPATT ON V209 SOUTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VUZ VORTAC VIA AIRWAY RADIALS 046 CW 111. SEE 8260-10															
CITY AND STATE BIRMINGHAM, AL		ELEVATION: 650 TDZE: 650 AIRPORT NAME: BIRMINGHAM-SHUTTLESWORTH INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 2 22 OCT 2009				SUP: AMDT: 1 DATED 10/25/2007					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

*RNAV ONLY

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV ALL CATS VISIBILITY TO 1 1/4, RNAV CAT A/B
VISIBILITY TO 1 AND CAT E VISIBILITY TO 2 1/4.

CITY AND STATE

BIRMINGHAM, AL

ELEVATION: 650 TDZE: 650

AIRPORT NAME:

BIRMINGHAM-SHUTTLESWORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 24, AMDT 2

22 OCT 2009

SUP:

AMDT: 1

DATED: 10/25/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KBHM
RUNWAY RW24
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W24A
LTP/FTP LATITUDE 333417.8100N
LTP/FTP LONGITUDE 0864432.5200W
LTP/FTP ELLIPSOIDAL HEIGHT +01663
FPAP LATITUDE 333316.8000N
FPAP LONGITUDE 0864618.4000W
THRESHOLD CROSSING HEIGHT (TCH) 00051.2
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0024
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

7C03DB97

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +01952
FPAP ORTHOMETRIC HEIGHT +01952

CITY AND STATE

BIRMINGHAM, AL

ELEVATION: 650

TDZE: 650

AIRPORT NAME:

BIRMINGHAM-SHUTTLESWORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 24, AMDT 2

22 OCT 2009

SUP:

AMDT:

1

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.

[illegible]

PAGE 4 OF 6 PAGES

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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

SUP:	
AMDT:	1
DATED:	10/25/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SPATT	SPATT	010	IAF	HF	R	FO		238.6 (236T)	006.0	03300
	TDG	TDG	010		IF		FB				
	TDG	EZRUB	020	IAF	TF		FB	2.0	288.0 (285T)	019.9	03300
	TDG	SPATT	030		TF		FB	1.0	287.8 (285T)	006.0	03300
	VUZ	VUZ	010		IF		FB				
	VUZ	LEPHO	020	IAF	TF		FB	2.0	070.7 (068T)	015.6	03300
	VUZ	SPATT	030		TF		FB	1.0	148.5 (146T)	006.0	03300
		SPATT	010	FACF	IF		FB				03300
		HUKEV	011	SDF	TF		FB	0.5	238.6 (236T)	004.3	02700
		LOWGA	020	FAF	TF		FB	0.5	238.6 (236T)	003.2	02200
		CUXOB	021	SDF	TF		FB	0.3	238.5 (236T)	001.5	0172001721
		RW24	030	MAP	TF		FO	0.3	238.5 (236T)	003.2	00692

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CASPO	040		DF		FB	1.0			
	HUVUP	050		TF		FB	1.0	307.5 (305T)		
	VUZ	060		TF		FO	1.0	011.5 (009T)		03000
	VUZ	070		HM	R	FO	2.0	229.0 (226T)	007.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TDG	N333430.55	W0860233.67	N3334.509	W08602.561
	VUZ	N334012.67	W0865359.28	N3340.211	W08653.988
	CASPO	N333144.40	W0864858.60	N3331.740	W08648.977
	CUXOB	N333606.80	W0864123.15	N3336.113	W08641.386
	EZRUB	N333938.30	W0862537.61	N3339.638	W08625.627
	HUKEV	N333845.38	W0863647.13	N3338.756	W08636.786
	HUVUP	N333508.34	W0865453.91	N3335.139	W08654.899
	LEPHO	N334607.53	W0863638.87	N3346.126	W08636.648
	LOWGA	N333657.04	W0863955.78	N3336.951	W08639.930
	SPATT	N334110.08	W0863234.77	N3341.168	W08632.580
	RW24	N333417.81	W0864432.52	N3334.297	W08644.542

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW24	00641		51

CITY AND STATE

BIRMINGHAM, AL

ELEVATION: 650 TDZE: 650

AIRPORT NAME:

BIRMINGHAM-SHUTTLESWORTH INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 24, AMDT 2

22 OCT 2009

SUP:

AMDT: 1

DATED: 10/25/2007

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
TDG VOR/DME	HANDE (FB)	240.03 / 28.82	4000	LNAV: RW36 CLIMB TO 3000 DIRECT BASKN AND VIA TRACK 281.45 TO VUZ VORTAC AND HOLD.								
OKW VORTAC	JAPAM (FB)	086.00 / 18.99	3000									
HANDE (IAF)	GOTBY (NOPT) (FB)	266.40 / 11.25	3000	ADDITIONAL FLIGHT DATA: HOLD NE, RT, 229.00 INBOUND. CHART FAS OBST: 1219 TWR 333131N/0864430W CHART 1239 TREE 332756N/0864556W BERFY TO RW36: 3.04/55.								
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									
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				MAG VAR: 3W EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF:	STANDARD	X	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
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 NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HANDE VIA V159-521 SOUTHEAST BOUND. SEE 8260-10												
CITY AND STATE		ELEVATION: 650 TDZE: 633		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
BIRMINGHAM, AL		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 36, AMDT 1			AMDT: ORIG			
		BIRMINGHAM-SHUTTLESWORTH INTL				22 OCT 2009			DATED 05/17/2001			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

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 VIA V18 EASTBOUND.

CITY AND STATE

BIRMINGHAM, AL

ELEVATION: 650

TDZE: 633

AIRPORT NAME:

BIRMINGHAM-SHUTTLESWORTH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 1

22 OCT 2009

SUP:

AMDT: ORIG

DATED: 05/17/2001

RNAV (GPS) 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 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)[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBHMK7FR36	AGOTBY	010GOTBYK7EA0EE	AR	HF			00260040	+	03000	18000		B	JS
SUSAP KBHMK7FR36	AOKW	0100KW	K7D 0V	IF						18000		B	JS
SUSAP KBHMK7FR36	AOKW	020JAPAMK7EA0E	A	020TF			08600190	+	03000			B	JS
SUSAP KBHMK7FR36	AOKW	030GOTBYK7EA0EE		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		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		00688	-304		B	JS
SUSAP KBHMK7FR36	R	040BASKNK7EA0E	M	010DF								B	JS
SUSAP KBHMK7FR36	R	050VUZ	K7D 0VY	010TF			2815	+	03000			B	JS

QUALITY
CHECKED

CITY AND STATE
BIRMINGHAM, AL

ELEVATION: 650 TDZE: 633
AIRPORT NAME:
BIRMINGHAM-SHUTTLESWORTH INTL

FACILITY
IDENTIFIER:
BNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, AMDT 1
22 OCT 2009

SUP:	
AMDT:	ORIG
DATED:	05/17/2001

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

B JS

SUSAP KBHMK7GRW36 0071000030 N33331335W086444996+0200 +0163900633000055150R

SUSAP KBHMK7SRW36 K7PG 0 18018003125

M

SUP:	
AMDT:	ORIG
DATED:	05/17/2001

PAGE 4 OF 5 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GOTBY	GOTBY	010	IAF	HF	R	FB		002.6 (360T)	004.0	03000
	OKW	OKW	010		IF		FB				
	OKW	JAPAM	020	IAF	TF		FB	2.0	086.0 (083T)	019.0	03000
	OKW	GOTBY	030		TF		FB	1.0	086.2 (083T)	006.6	03000
	TDG	TDG	010		IF		FB				
	TDG	HANDE	020	IAF	TF		FB	2.0	240.0 (237T)	028.8	04000
	TDG	GOTBY	030		TF		FB	1.0	266.4 (263T)	011.3	03000
		GOTBY	010	FACF	IF		FB				03000
		IMOBY	011	SDF	TF		FB	0.5	002.6 (360T)	006.8	02800
		BERFY	020	FAF	TF		FB	0.5	002.6 (360T)	004.0	02300
		RW36	030	MAP	TF		FO	0.3	003.0 (360T)	005.0	00688

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BASKN	040		DF		FB	1.0			
	VUZ	050		TF		FO	1.0	281.5 (279T)		03000
	VUZ	060		HM	R	FO	2.0	229.0 (226T)	007.0	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	N334012.67	W0865359.28	N3340.211	W08653.988
	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	N333313.35	W0864449.96	N3333.223	W08644.833

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW36	00633		55

CITY AND STATE BIRMINGHAM, AL	ELEVATION: 650	TDZE: 633	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 22 OCT 2009	SUP:	
	AIRPORT NAME:				AMDT:	ORIG
	BIRMINGHAM-SHUTTLESWORTH INTL				DATED:	05/17/2001

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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					MISSED APPROACH										
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: 3.89 MILES AFTER RZO NDB											
EWA VORTAC	RZO NDB	078.68 / 22.69	2000	CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2000 DIRECT RZO NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 048.73 INBOUND. CHART FAS OBST: 391 STACK 322711N/0875832W RZO NDB TO RW04: 3.50/43											
1. PT <u>R</u> SIDE OF COURSE <u>228.73</u> OUTBOUND <u>2000</u> FT WITHIN <u>10</u> MILES OF <u>RZO NDB</u> (IAF) 2. <u> </u> 3. FAC <u>048.73</u> FAF <u>RZO NDB</u> DIST FAF TO MAP <u>3.89</u> THLD <u>3.89</u> 4. MIN. ALT <u>RZO NDB 1600</u> 8. MSA FROM: <u>RZO NDB 2300</u>										MAG VAR: 2W EPOCH YEAR: 2010					
MINIMUMS															
TAKEOFF:	STANDARD	☒	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-4	760	1	647	760	1	647	760	1 3/4	647	760	2	647			
CIRCLING	760	1	647	760	1	647	760	1 3/4	647	760	2	647			
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MERIDIAN ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET. INCREASE S-4 AND CIRCLING CAT B VISIBILITY 1/4 MILE. INCREASE CATS C/D VISIBILITY 1/2 MILE.															
CITY AND STATE DEMOPOLIS, AL		ELEVATION: 113 TDZE: 113 AIRPORT NAME: DEMOPOLIS MUNI		FACILITY IDENTIFIER: RZO		PROCEDURE NO./AMD T NO./EFFECTIVE DATE: NDB RWY 4, AMDT 1 22 OCT 2009				SUP NDB OR GPS RWY					
										AMDT		ORIG			
										DATE		02/19/2004			

 QUALITY
2
CHECKED

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW36L CLIMB TO 5000 DIRECT CIVDA AND VIA TRACK 330.39 TO POPES AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 330.39 INBOUND. CHART FAS OBST: 106 TREE 381157N/1221712W CHART FAS OBST: 298 T-L TWR 380915N/1221752W DISTANCE TO THLD FROM 283 HAT: 0.74 NM. CHART VDP AT 1.93 MILES TO RW36L* *LNAV ONLY. WAAS CHANNEL # 40313 REFERENCE PATH ID: W36B								
HABAP	PEBGE (FB)	140.21 / 9.53	4000									
PEBGE	FESAV (FO)	140.26 / 8.00	2600									
MICRA (IAF)	ZIRUP (NOPT) (FB)	056.54 / 6.63	4100									
ZIRUP	FESAV (FB)	056.60 / 7.00	2600									
SAU VORTAC (IAF)	WEGNA (NOPT) (FB)	019.65 / 6.66	3200									
WEGNA	FESAV (FB)	019.68 / 6.00	2600									
SABLO (IAF)	FESAV (NOPT) (FB)	270.87 / 8.41	2600									
FESAV (IF/IAF)	CIKPI (FB)	005.69 / 6.09	1800									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S FESAV, RT, 005.69 INBOUND, 2600 FT. IN LIEU OF PT (IAF) 3. FAC: 005.72 FAF: CIKPI _____ DIST FAF TO MAP: 5.37 THLD: 5.37 4. MIN. ALT: FESAV 2600, CIKPI 1800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1800 GS ALT AT: CIKPI _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR 8. MSA FROM: RW36L 5100				MAG VAR: 15E EPOCH YEAR: 2005								
MINIMUMS												
TAKEOFF:	STANDARD	X	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
LPV DA	300	1	283	300	1	283	300	1	283			
LNAV/VNAV DA	856	3	839	856	3	839	856	3	839			
LNAV MDA	680	1	663	680	1	663	680	1 3/4	663	680	2	663
CIRCLING	700	1	665	700	1	665	920	2 3/4	885	1180	3	1145
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BUCHANAN FIELD ALTIMETER SETTING AND SEE 8260-10. @ CAT C 900-2 3/4, CAT D 1200-3 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.												
CITY AND STATE		ELEVATION: 35 TDZE: 17		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
NAPA, CA		AIRPORT NAME:		RNAV		RNAV (GPS) Z RWY 36L, ORIG-A			AMDT: ORIG			
		NAPA COUNTY				22 OCT 2009			DATED 08/27/2009			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

INCREASE ALL DA 41 FEET, ALL MDA 60 FEET, AND INCREASE VISIBILITY LPV ALL CATS 1/4 MILE, LNAV/VNAV ALL CATS 1 MILE, AND LNAV CATS C/D 1/4 MILE.

CHART NOTE: VDP NA WHEN USING BUCHANAN FIELD ALTIMETER SETTING.

CHART NOTE: BARO-VNAV NA WHEN USING BUCHANAN FIELD ALTIMETER SETTING.

CHART NOTE: PROCEDURE NA FOR ARRIVAL AT MICRA VIA V107-301 NORTHWEST BOUND

CHART NOTE: PROCEDURE NA FOR ARRIVAL AT HABAP VIA V108 NORTHWEST BOUND

CHART NOTE: PROCEDURE NA FOR ARRIVAL AT SAU VORTAC VIA AIRWAY RADIAL 035

CHART PLANVIEW NOTE: MISSED APPROACH OBSTRUCTIONS REQUIRES MINIMUM CLIMB GRADIENT OF 250 FT/NM TO 5000. IF UNABLE SEE RNAV (GPS) Y RWY 36L

QUALITY
1
CHECKED

CITY AND STATE

NAPA, CA

ELEVATION: 35

TDZE: 17

AIRPORT NAME:

NAPA COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 36L, ORIG-A

22 OCT 2009

SUP:

AMDT:

ORIG

DATED:

08/27/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KAPC
RUNWAY RW36L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Z
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W36B
LTP/FTP LATITUDE 381228.7135N
LTP/FTP LONGITUDE 1221706.9780W
LTP/FTP ELLIPSOIDAL HEIGHT -00276
FPAP LATITUDE 381352.1200N
FPAP LONGITUDE 1221626.9400W
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) 50.0
VERTICAL ALERT LIMIT (VAL) 40.0

CRC REMAINDER

34DC58C1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K2
LTP ORTHOMETRIC HEIGHT +00042
FPAP ORTHOMETRIC HEIGHT +00042

QUALITY
1
CHECKED

CITY AND STATE

NAPA, CA

ELEVATION: 35

TDZE: 17

AIRPORT NAME:

NAPA COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 36L, ORIG-A

22 OCT 2009

SUP:

AMDT: ORIG

DATED: 08/27/2009

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.

[illegible]

AMDT:	ORIG
DATED:	08/27/2009

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.

QUALITY
7
CHECKED

PAGE 5 OF 7 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HABAP	HABAP	010		IF		FB				
	HABAP	PEBGE	020		TF		FB	2.0	140.2 (155T)	009.5	04000
	HABAP	FESAV	030		TF		FO	2.0	140.3 (155T)	008.0	02600
	HABAP	FESAV	040	IAF	HF	R	FO		005.7 (021T)	004.0	02600
	MICRA	MICRA	010	IAF	IF		FB				
	MICRA	ZIRUP	020		TF		FB	1.0	056.5 (072T)	006.6	04100
	MICRA	FESAV	030		TF		FB	1.0	056.6 (072T)	007.0	02600
	SABLO	SABLO	010	IAF	IF		FB				
	SABLO	FESAV	020		TF		FB	1.0	270.9 (286T)	008.4	02600
	SAU	SAU	010	IAF	IF		FB				
	SAU	WEGNA	020		TF		FB	1.0	019.7 (035T)	006.7	03200
	SAU	FESAV	030		TF		FB	1.0	019.7 (035T)	006.0	02600
		FESAV	010	FACF	IF		FB				02600
		CIKPI	020	FAF	TF		FB	0.5	005.7 (021T)	006.1	01800
		RW36L	030	MAP	TF		FO	0.3	005.7 (021T)	005.4	00064

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CIVDA	040		DF		FB	1.0			
	POPES	050		TF		FO	1.0	330.4 (345T)		05000
	POPES	060		HM	R	FO	2.0	330.4 (345T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SAU	N375119.24	W1223121.91	N3751.321	W12231.365
	CIKPI	N380726.96	W1221931.62	N3807.449	W12219.527
	CIVDA	N381448.92	W1221559.64	N3814.815	W12215.994
	FESAV	N380144.75	W1222215.21	N3801.746	W12222.254
	HABAP	N381741.06	W1223133.42	N3817.684	W12231.557
	MICRA	N375726.49	W1223836.72	N3757.442	W12238.612
	PEBGE	N380901.20	W1222629.37	N3809.020	W12226.490
	POPES	N382909.47	W1222045.11	N3829.158	W12220.752
	SABLO	N375927.02	W1221200.65	N3759.450	W12212.011
	WEGNA	N375648.47	W1222634.44	N3756.808	W12226.574
	ZIRUP	N375932.35	W1223039.39	N3759.539	W12230.657
	RW36L	N381228.71	W1221706.98	N3812.479	W12217.116

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

QUALITY
7
CHECKED

CITY AND STATE

NAPA, CA

ELEVATION: 35 TDZE: 17
 AIRPORT NAME:
 NAPA COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) Z RWY 36L, ORIG-A
 22 OCT 2009

SUP:

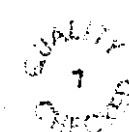
AMDT: ORIG

DATED: 08/27/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

RW36L 00014 50



CITY AND STATE

NAPA, CA

ELEVATION: 35 TDZE: 17

AIRPORT NAME:

NAPA COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 36L, ORIG-A

22 OCT 2009

SUP:

AMDT: ORIG

DATED: 08/27/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
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: _____									
TAKEOFF: ☐ STANDARD ☐ 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				
NOTES: PROCEDURE CANCELED EFFECTIVE 22 OCT 2009																			
CITY AND STATE TRACY, CA				ELEVATION: 193 TDZE: 185 AIRPORT NAME: TRACY MUNI				FACILITY IDENTIFIER: GPS				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 25, ORIG, 01/28/1999				SUP AMDT NONE DATE			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: TCY NDB									
PATYY INT TCY NDB		TCY NDB		287.72 / 22.34				4900		CLIMB TO 3000 VIA 114 BEARING FROM TCY NDB TO GROAN INT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 293.77 INBOUND. CHART FAS OBST: 494 TREE 374405N/1213356W CHART: R-2531 FAC 499L OF RWY C/L EXTENDED 3000 FROM THLD. IHWAY TO RW12: 3.27/40									
		IHWAY INT		294.20 / 6.00				3800											
1. PT <u>R</u> SIDE OF COURSE <u>294.20</u> OUTBOUND <u>3400</u> FT WITHIN <u>10</u> MILES OF <u>IHWAY INT</u> (IAF) 2. _____ 3. FAC <u>114.20</u> FAF <u>IHWAY INT</u> DIST FAF TO MAP _____ THLD <u>5.99</u> 4. MIN. ALT <u>IHWAY 2300</u> 8. MSA FROM: TCY NDB 255-345 5100, 345-125 4000, 125-255 5600										MAG VAR: 15E EPOCH YEAR: 2000									
MINIMUMS																			
TAKEOFF: ☐		STANDARD ☐		X ☐		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-12	840	1	647	840	1	647	840	1 3/4	647		NA								
CIRCLING	840	1	647	840	1	647	840	1 3/4	647		NA								
NOTES: CHART NOTE: CIRCLING NA SOUTHWEST OF RWY 12/30. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE STOCKTON METRO ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.																			
CITY AND STATE TRACY, CA				ELEVATION: 193 TDZE: 193 AIRPORT NAME: TRACY MUNI				FACILITY IDENTIFIER: TCY				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 12, AMDT 1 22 OCT 2009				SUP			
																AMDT		ORIG	
																DATE		01/28/1999	



**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

AND INCREASE ALL MDA 60 FEET.

CHART NOTE: CIRCLING NA SW OF RWY 12-30.

CITY AND STATE

TRACY, CA

ELEVATION: 193

TDZE: 185

AIRPORT NAME:

TRACY MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, ORIG

22 OCT 2009

SUP:

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.

[illegible]

QUALITY
1
CHECKED

CITY AND STATE TRACY, CA	ELEVATION: 193 TDZE: 185 AIRPORT NAME: TRACY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 22 OCT 2009	SUP:
				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.

[illegible]

QUALITY
1
CHECKED

CITY AND STATE TRACY, CA	ELEVATION: 193 TDZE: 185 AIRPORT NAME: TRACY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ECA	ECA	010	IAF	IF		FB				
	ECA	OMWAP	020		TF		FB	1.0	171.2 (186T)	008.6	03000
	SHELI	SHELI	010	IAF	IF		FB				
	SHELI	OMWAP	020		TF		FB	1.0	300.6 (316T)	006.7	03000
	TRACY	TRACY	010		IF		FB				
	TRACY	OMWAP	020		TF		FO	2.0	085.5 (101T)	013.0	03000
	TRACY	OMWAP	030	IAF	HF	R	FO		254.7 (270T)	004.0	03000
		OMWAP	010	FACF	IF		FB				03000
		IVABE	020	FAF	TF		FB	0.5	254.7 (270T)	006.2	02000
		RW26	030	MAP	TF		FO	0.3	254.7 (270T)	005.5	00212

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	OMWAP	040		DF	R	FO	1.0			03000
	OMWAP	050		HM	R	FO	2.0	254.7 (270T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ECA	N375000.97	W1211016.95	N3750.016	W12110.283
	IVABE	N374128.22	W1211913.10	N3741.470	W12119.218
	OMWAP	N374130.22	W1211126.63	N3741.504	W12111.444
	SHELI	N373643.80	W1210533.49	N3736.730	W12105.558
	TRACY	N374353.18	W1212733.49	N3743.886	W12127.558
	RW26	N374125.99	W1212611.04	N3741.433	W12126.184

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW26	00172		40

QUALITY
1
CHECKED

CITY AND STATE TRACY, CA	ELEVATION: 193 TDZE: 185 AIRPORT NAME: TRACY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 8, 12, 30 STANDARD.

RWY 26, 700-3 OR STANDARD WITH A MINIMUM CLIMB OF 320 FEET PER NM TO 1000.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 8- CLIMB TO 3000' VIA HEADING 072.58 AND MOD VOR/DME R-264 TO MOD VOR/DME BEFORE PROCEEDING ON COURSE.

RWY 26- CLIMBING RIGHT TURN TO 3000' VIA HEADING 150 AND MOD VOR/DME R-264 TO MOD VOR/DME BEFORE PROCEEDING ON COURSE.

RWY 30- CLIMBING RIGHT TURN TO 3000' VIA HEADING 150 TO INTERCEPT MOD VOR/DME R-264 TO MOD VOR/DME BEFORE PROCEEDING ON COURSE.

RWY 12- CLIMBING LEFT TURN TO 3000' TO INTERCEPT MOD VOR/DME R-264 TO MOD VOR/DME BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

RWY 8: TREE 472' FROM DER, 198' LEFT OF CENTERLINE, 50' AGL/194' MSL. FENCE 167' FROM DER, 8' RIGHT OF CENTERLINE, 25' AGL/176' MSL. VEHICLE ON ROAD 241' FROM DER, 412' LEFT OF CENTERLINE, 15' AGL/183' MSL. VEHICLES ON ROADS STARTING 241' FROM DER, 7' RIGHT OF CENTERLINE, UP TO 15' AGL/189' MSL. POLES STARTING 403' FROM DER, 204' LEFT OF CENTERLINE, UP TO 54' AGL/208' MSL. POLES STARTING 727' FROM DER, 49' RIGHT OF CENTERLINE, UP TO 54' AGL/212' MSL.

RWY 12: TREES STARTING 436' FROM DER, 251' RIGHT OF CENTERLINE, UP TO 72' AGL/253' MSL. CONVEYOR 1995' FROM DER, 504' LEFT OF CENTERLINE, 66' AGL/ 270' MSL. POLES STARTING 832' FROM DER, 396' RIGHT OF CENTERLINE, UP TO 56' AGL/ 240' MSL.

(4) CONTROLLING OBSTACLES:

RWY 26: 794 TREE 374056.35N-1213005.39W

QUALITY
1
CHECKED

(5) City, State TRACY, CA	(6) Airport TRACY MUNICIPAL	(7) Effective Date 22 OCT 2009	(8) Amdt. No. 3

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION) FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

Bearings, headings, courses, and radials are magnetic. Elevations 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 unless otherwise indicated, except visibilities which are in
statute miles or in feet RVR.

RWY 12 CONT: OBSTRUCITON LIGHT ON HOPPER 1934' FROM DER, 274' RIGHT OF CENTERLINE, 74' AGL/255' MSL. VEHICLES ON ROAD STARTING 133' FROM DER, 272' LEFT OF CENTERLINE, UP TO 15' AGL/206' MSL. FENCE 32' FROM DER 405' LEFT OF CENTERLINE, 25' AGL/194' MSL.

RWY 26: TREE 1173' FROM DER, 180' RIGHT OF CENTERLINE, 35' AGL/234' MSL. TREES STARTING 1067' FROM DER, 125' LEFT OF CENTERLINE, UP TO 35' AGL/794' MSL. VEHICLE ON ROAD 236' FROM DER, 150' LEFT OF CENTERLINE, 15' AGL/214' MSL. FENCE 69' FROM DER, 133' LEFT OF CENTERLINE, 23' AGL/203' MSL. RISING TERRAIN 11105' FROM DER, 2814' LEFT OF CENTERLINE, UP TO 739' MSL.

RWY 30: TREES STARTING 438' FROM DER, 30' RIGHT OF CENTERLINE, UP TO 35' AGL/209' MSL. TREE 1079' FROM DER, 82' LEFT OF CENTERLINE, 35' AGL/214' MSL. OBSTUCTION LIGHT ON HOPPER 985' FROM DER, 353' RIGHT OF CENTERLINE, 72' AGL/236' MSL. BUSH 195' FROM DER, 364' LEFT OF CENTERLINE, 25' AGL/189' MSL. LIGHT POLE 1149' FROM DER, 160' LEFT OF CENTERLINE, 47' AGL/211' MSL. OBSTRUCTION LIGHT ON BUILDING 2289' FROM DER, 65' RIGHT OF CENTERLINE, 74' AGL/238' MSL.

QUALITY
1
CHECKED

City, State TRACY, CA		Airport TRACY MUNICIPAL		Effective Date 22 OCT 2009	Amdt. No. 3
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

FLIGHT STANDARDS SERVICE - FAR PART 97.23

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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: _____																																																																																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">TAKEOFF: _____</td> <td colspan="2">STANDARD _____</td> <td colspan="4">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="2">ALTERNATE: N A _____</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">CATEGORY =====></td> <td colspan="2" style="text-align: center;">A</td> <td colspan="2" style="text-align: center;">B</td> <td colspan="2" style="text-align: center;">C</td> <td colspan="2" style="text-align: center;">D</td> <td colspan="2" style="text-align: center;">E</td> </tr> <tr> <td></td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>										TAKEOFF: _____		STANDARD _____		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																																																																												
TAKEOFF: _____		STANDARD _____		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																																																																																																														
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PROCEDURE CANCELED EFFECTIVE <u>22 OCT 2009</u>																																																																																																																									
CITY AND STATE TRACY, CA				ELEVATION: 193 TDZE: AIRPORT NAME: TRACY MUNI				FACILITY IDENTIFIER: ECA				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR OR GPS-A, AMDT 5, 08/03/2006				SUP AMDT 4A DATE 28 AUG 86																																																																																																									

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.23

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JEHLI/TNP 10.00 DME (IF)	TNP VORTAC (NOPT)	255.35 / 10.00	4600

MAP: 8.34 MILES AFTER TNP VORTAC OR AT TNP 8.34 DME FIX

CLIMBING RIGHT TURN TO 5900 DIRECT TNP VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5900.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 2330 TREE 340637N/1155535W
TNP VORTAC TO RW26: 3.13/40.
CHART: SUNDANCE MOA.
CHART AIRPORT ELEV: 1888

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD E TNP VORTAC, LT, 255.35 INBOUND, 4900 FT. IN LIEU OF PT (IAF)
3. FAC 264.22 FAF TNP VORTAC DIST FAF TO MAP 8.34 THLD 8.34
4. MIN. ALT TNP VORTAC 4600
8. MSA FROM: TNP VORTAC 285-145 5900, 145-285 7100

MAG VAR: 15E

EPOCH YEAR: 1965

MINIMUMS

TAKEOFF:		STANDARD	X	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-26		3580	1 1/4	1745	3580	1 1/2	1745		NA			NA						
CIRCLING		3580	1 1/4	1692	3580	1 1/2	1692		NA			NA						

NOTES:

CHART NOTE: WHEN PALM SPRINGS INTL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: CIRCLING NA SOUTH OF RWY 8-26.
CHART NOTE: USE PALM SPRINGS INTL ALTIMETER SETTING.

CITY AND STATE TWENTYNINE PALMS, CA	ELEVATION: 1888 TDZE: 1835 AIRPORT NAME: TWENTYNINE PALMS	FACILITY IDENTIFIER: TNP	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 26, AMDT 2A 22 OCT 2009	SUP
				AMDT 2
				DATE 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.

1. PT	NA	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT JARGU INT/I-ASE 13.02 DME					
3. FAC	147.63	FAF DOYPE/I-ASE 7.00 DME	DIST FAF TO MAP		THLD	
4. MIN. ALT	JARGU 13400, KICER 12900, FIMSO 12300, DOYPE 11700					
8. MSA FROM:	DBL VOR/DME 020-240 15700, 240-020 13100					

MAG VAR: 12E

EPOCH YEAR: 1990

[illegible]

100

FAA FORM 8260-5 / December 2002 (computer generated) PAGE 1 OF 1 PAGES

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES					MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE			
HBU VOR/DME	KEEZR INT/HBU 9.28 DME	260.62 / 9.28	12200	ILS: DA LOC: 5.09 MILES AFTER OSDUE INT/I-GUC 9.29 DME OR AT MEBNE INT/I-GUC 4.21 DME FIX		
COGRI/HBU 9.28 DME CW (IAF)	KEEZR INT/I-GUC 16.11 DME (NOPT)	9.28 DME ARC (HBU LR-248)	12200			
MEYRS/HBU 20.00 DME (IAF)	KEEZR INT/I-GUC 16.11 DME (NOPT)	080.86 / 10.72 (HBU R-261)	12200	CLIMB TO 10000 THEN CLIMBING RIGHT TURN TO 12000 VIA HEADING 180 AND HBU VOR/DME R-050 TO WIDIG/HBU 4.00 DME CONTINUE VIA HBU VOR/DME R-050 TO HBU VOR/DME AND HOLD.		
KEEZR INT/I-GUC 16.11 DME (IF/IAF)	ONIU INT/I-GUC 13.20 DME	061.55 / 2.91 (I-GUC)	11400			
ONIU INT/I-GUC 13.20 DME	OSDUE INT/I-GUC 9.29 DME	061.55 / 3.90 (I-GUC)	10300	ADDITIONAL FLIGHT DATA: HOLD SW, LT, 031.00 INBOUND. CHART FAS OBST: 7773 POLE 383156N/1065742W 8434 AAO 383130N/1070144W CHART HBU 9.28 DME AT KEEZR CHART HBU R-190 AT COGRI.		

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. HOLD SW KEEZR, LT, 061.55 INBOUND, 12200 FT. IN LIEU OF PT (IAF)	
3. FAC: 061.55 FAF: OSDUE INT/I-GUC 9.29 DME DIST FAF TO MAP: 5.09 THLD: 7.49	
4. MIN. ALT: KEEZR 12200, ONIU 11400, OSDUE 10300, JOREV INT/I-GUC 5.63 DME 9020*	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 834	
6. MIN GS INCPT: 10300 GS ALT AT: OSDUE INT/I-GUC 9.29 DME 10300 OM: _____ MM: _____ IM: _____	
7. GS ANGLE: 3.20 TCH: 48.9	
8. MSA FROM: HBU VOR/DME 130-230 15300, 230-130 14500	

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: NA	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 6	8590	3	923	8590	3	923	8590	3	923	NA					
S-LOC 6	9020	3	1353	9020	3	1353	9020	3	1353	9020	3	1353			
CIRCLING	9260	3	1580	9260	3	1580	9260	3	1580	9260	3	1580			

JOREV FIX MINIMUMS															
S-LOC 6	8640	3	973	8640	3	973	8640	3	973	8640	3	973			
CIRCLING	9260	3	1580	9260	3	1580	9260	3	1580	9260	3	1580			

NOTES:

CHART NOTE: CIRCLING NA AT NIGHT.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

CHART NOTE: DME REQUIRED.

SEE 8260-10

CAT A, B, C 1600-3

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

CITY AND STATE GUNNISON, CO	ELEVATION: 7680 TDZE: 7667	FACILITY IDENTIFIER: I-GUC	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 6, AMDT 5 22 OCT 2009	SUP: ILS OR LOC/DME RWY 6
	AIRPORT NAME: GUNNISON-CRESTED BUTTE REGIONAL			AMDT: 4A
				DATED 02/12/2009

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

*LOC ONLY

CHART NOTE: PROCEDURE NA WHEN AIRPORT CLOSED EXCEPT BY PRIOR ARRANGEMENT.

QUALITY
2
CHECKED

CITY AND STATE
GUNNISON, CO

ELEVATION: 7680 TDZE: 7667
AIRPORT NAME:
GUNNISON-CRESTED BUTTE REGIONAL

FACILITY
IDENTIFIER:
I-GUC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 6, AMDT 5
22 OCT 2009

SUP: ILS OR LOC/DME
RWY 6
AMDT: 4A
DATED: 02/12/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - 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.							
TERMINAL ROUTES					MISSED APPROACH							
FROM	TO	COURSE AND DISTANCE	ALTITUDE		MAP: 5.91 MILES AFTER LINKS INT/I-JD 6.62 DME OR AT I-JD 0.71 DME FIX. CLIMBING LEFT TURN TO 2600 DIRECT ORW VOR/DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMBING RIGHT TURN TO 2400 VIA HFD VOR/DME R-076 TO CAMPU INT/HFD 7.53 DME AND HOLD W, RT, 075.70 INBOUND. ADDITIONAL FLIGHT DATA: HOLD S, RT, 338.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD W CAMPU INT/HFD 7.53 DME, RT, 075.70 INBOUND. CHART FAS OBST: 652 TREE 414500N/0720804W CHART IN PLANVIEW: CAMPU INT/HFD 7.53 DME. LINKS TO RW27: 3.06/40							
PUT VOR/DME (IAF)	TANFY INT	212.17 / 9.81	2500									
TANFY INT (IF)	LINKS INT/I-JD 6.62 DME	269.43 / 6.10 (I-JD)	2200									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT TANFY 3. FAC <u>269.43</u> FAF LINKS INT/I-JD 6.62 DME DIST FAF TO MAP <u>5.91</u> THLD <u>5.91</u> 4. MIN. ALT <u>TANFY INT 2500, LINKS 2200, OLECO/I-JD 3.20 DME 1040*</u> 8. MSA FROM: <u>ORW VOR/DME 2600</u>					MAG VAR: 15W EPOCH YEAR: 1985							
MINIMUMS												
TAKEOFF:	STANDARD	X	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
S-27	1040	1	800	1040	1 1/4	800	1040	2 1/4	800	NA		
CIRCLING	1040	1	793	1040	1 1/4	793	1040	2 1/4	793	NA		
OLECO FIX MINIMUMS												
S-27	920	1	680	920	1	680	920	2	680	NA		
CIRCLING	920	1	673	920	1	673	960	2	713	NA		
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *1120 WHEN USING WINDSOR LOCKS ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WINDSOR LOCKS ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE S-27 CAT C, CIRCLING CAT C, OLECO FIX MINIMUMS S-27 CAT B SEE 8260-10												
CITY AND STATE		ELEVATION: 247 TDZE: 240		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP			
WILLIMANTIC, CT		AIRPORT NAME:		I-JD		LOC RWY 27, AMDT 3			AMD 2B			
		WINDHAM				22 OCT 2009			DATE 6/20/02			

LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - 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.

NOTES CONT.

AND C, AND CIRCLING CAT B AND C VISIBILITIES 1/4 MILE.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

CITY AND STATE

WILLIMANTIC, CT

ELEVATION: 247 TDZE: 240

AIRPORT NAME:

WINDHAM

FACILITY
IDENTIFIER:

I-4JD

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

LOC RWY 27, AMDT 3

22 OCT 2009

SUP:

AMDT: 2B

DATED: 06/20/02

U.S. 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										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE		ALTITUDE		MAP: DA							
DRUZZ (40E)		CSN VORTAC (TF)(FB)(RNP 1.00) (40V)(43A)		153.46/38.88		5000		CLIMB TO 5000 VIA TRACK 010.65 TO WASMA AND LEFT TURN DIRECT HARPP AND HOLD.							
SHNON (40E)		CSN VORTAC (TF)(FB)(RNP 1.00) (40V)(43A)		162.86/19.65		5000									
CSN VORTAC (IAF)(40V)(43A)		ERACE (TF) (FB) (RNP 1.00) (40E) (41E)		087.20/19.38		4000		ADDITIONAL FLIGHT DATA: HOLD NW, LT, 134.00 INBOUND. CHART: R-6608A/B/C DIST TO THLD FROM 531 HAT: 1.50 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 340.1 MSL (DO NOT CHART)							
BRV VORTAC (IAF)(40V)(43A)		ERACE (TF)(FB)(RNP 1.00)(40E) (41E)		357.07/23.12		4000									
ERACE (IF)(40E)(43I)		SKINS (TF)(FB)(RNP 0.50)(40E) (43F)		010.65/7.55		2300									
SKINS (FAF)(40E)(43F)		RW01C (TF)(FO)(40G)(41Y)(43M)		010.65/6.05											
RW01C (MAP)(40G)(41Y)(43M)		WASMA (TF)(FO)(RNP 1.00) (40E) (41Y)(42M)		010.65/1.89											
WASMA (40E)(41Y)(42M)		HARPP (DF)(FO)(RNP 1.00) (40E) (41Y)				5000									
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)										MAG VAR: 10W EPOCH YEAR: 2000					
2. PROFILE STARTS AT ERACE															
3. FAC: <u>010.65</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u>															
4. MIN. ALT: ERACE 4000															
5. DIST TO THLD FROM OM: <u>6.05</u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>															
6. MIN GS INCPT: <u>2300</u> GS ALT AT: <u>SKINS 2300</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>53.8#</u> 34:1 IS CLEAR															
8. MSA FROM: <u>RW01C 3400</u>															
MINIMUMS															
TAKEOFF:		STANDARD	X	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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30 DA	817	1 1/2	531	817	1 1/2	531	817	1 1/2	531	817	1 1/2	531			
NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (6F) OR ABOVE 48C (119F). FOR INOPERATIVE ALSF-2, INCREASE RNP 0.30 VISIBILITY TO 1 3/4. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART PLANVIEW NOTE AT DRUZZ, SHNON, CSN VORTAC, BRV VORTAC: (RNP 0.50).															
CITY AND STATE		ELEVATION: 312 TDZE: 286		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:					
WASHINGTON, DC		WASHINGTON DULLES INTL		RNAV		22 OCT 2009 RNAV (RNP) Z RWY 1C, ORIG-C				AMDT: ORIG-B					
										DATE 06/05/2008					

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR 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 FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DRUZZ	DRUZZ	010		IF		FB				
	DRUZZ	CSN	020	IAF	TF		FB	1.0	153.4 (143T)	038.9	05000
	DRUZZ	ERACE	030	IF	TF		FB	1.0	087.2 (077T)	019.4	04000
	SHNON	SHNON	010		IF		FB				
	SHNON	CSN	020	IAF	TF		FB	1.0	162.9 (153T)	019.7	05000
	SHNON	ERACE	030	IF	TF		FB	1.0	087.2 (077T)	019.4	04000
	BRV	BRV	010	IAF	IF		FB				
	BRV	ERACE	020	IF	TF		FB	1.0	357.1 (347T)	023.1	04000
		ERACE	010	FACF	IF		FB				04000
		SKINS	020	FAF	TF		FB	0.5	010.7 (001T)	007.6	02300
		RW01C	030	MAP	TF		FO	0.3	010.7 (001T)	006.1	00340 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WASMA	040		TF		FO	1.0	010.7 (001T)	001.9	
	HARPP	050		DF		FO	1.0			05000
	HARPP	060		HM	R	FO	2.0	134.0 (124T)	006.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BRV	N382010.62	W0772110.45	N3820.177	W07721.174
	CSN	N383828.43	W0775155.88	N3838.474	W07751.931
	DRUZZ	N390948.28	W0782128.71	N3909.805	W07821.479
	ERACE	N384243.85	W0772747.04	N3842.731	W07727.784
	HARPP	N391034.42	W0775543.21	N3910.574	W07755.720
	SHNON	N385559.19	W0780322.35	N3855.987	W07803.373
	SKINS	N385017.16	W0772740.48	N3850.286	W07727.675
	WASMA	N385814.40	W0772733.56	N3858.240	W07727.559
	RW01C	N385620.64	W0772735.21	N3856.344	W07727.587

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW01C	00286	54

QUALITY
CHECKED

CITY AND STATE	ELEVATION: 312 TDZE: 286	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WASHINGTON, DC	AIRPORT NAME: WASHINGTON DULLES INTL	RNAV	22 OCT 2009 RNAV (RNP) Z RWY 1C, ORIG-C	AMDT: ORIG-B
				DATED: 06/05/2008

U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA			
DRUZZ (40E)	CSN VORTAC (TF)(FB)(RNP 1.00)(40V)(43A)	153.46/38.88	5000	CLIMB TO 5000 VIA TRACK 010.67 TO FUREE AND LEFT TURN DIRECT HARPP AND HOLD.			
SHNON (40E)	CSN VORTAC (TF)(FB)(RNP 1.00)(40V)(43A)	162.86/19.65	5000				
CSN VORTAC (IAF)(40V)(43A)	MOSBY (TF)(FB)(RNP 1.00)(40E)(41E)	086.80/20.55	3000				
BRV VORTAC (IAF)(40V)(43A)	MOSBY (TF)(FB)(RNP 1.00)(40E)(41E)	359.94/23.28	3000	ADDITIONAL FLIGHT DATA: HOLD NW, LT, 134.00 INBOUND CHART FAS OBST: 439 T-L 385441N/0772547W CHART: R-6608A/B/C DIST TO THLD FROM 455 HAT: 1.26 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 364.3 MSL (DO NOT CHART)			
MOSBY (IF)(40E)(43I)	WAXIN (TF)(FB)(RNP 0.50)(40E)(43F)	010.66/7.53	1900				
WAXIN (FAF)(40E)(43F)	RW01R (TF)(FO)(40G)(41Y)(43M)	010.67/4.76					
RW01R (MAP)(40G)(41Y)(43M)	FUREE (TF)(FO)(RNP 1.00)(40E)(41Y)(42M)	010.67/4.89					
FUREE (40E)(41Y)(42M)	HARPP (DF)(FO)(RNP 1.00)(40E)(41Y)	304.11/25.22	5000				

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT MOSBY
3. FAC: 010.67 FAF: DIST FAF TO MAP: THLD:
4. MIN. ALT: MOSBY 3000
5. DIST TO THLD FROM OM: 4.76 MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCT: 1900 GS ALT AT: WAXIN 1900 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 52.6# 34:1 IS CLEAR
8. MSA FROM: RW01R 3400

MAG VAR: 10W EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	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

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30 DA	767	5000	455	767	5000	455	767	5000	455	767	5000	455			

NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (6F) OR ABOVE 48C (118F). FOR INOPERATIVE ALSF-2, INCREASE RNP 0.30 VISIBILITY TO 1 1/2.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE AT DRUZZ, SHNON, CSN VORTAC, BRV VORTAC: (RNP 0.50).

CITY AND STATE	ELEVATION: 312 TDZE: 312	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WASHINGTON, DC	AIRPORT NAME: WASHINGTON DULLES INTL	RNAV	22 OCT 2009 RNAV (RNP) Z RWY 1R, ORIG-A	AMDT: ORIG
				DATE 08/30/2007

QUALITY
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DRUZZ	DRUZZ	010		IF		FB				
	DRUZZ	CSN	020	IAF	TF		FB	1.0	153.4 (143T)	038.9	05000
	DRUZZ	MOSBY	030	IF	TF		FB	1.0	086.8 (077T)	020.6	03000
	SHNON	SHNON	010		IF		FB				
	SHNON	CSN	020	IAF	TF		FB	1.0	162.9 (153T)	019.7	05000
	SHNON	MOSBY	030	IF	TF		FB	1.0	086.8 (077T)	020.6	03000
	BRV	BRV	010	IAF	IF		FB				
	BRV	MOSBY	020	IF	TF		FB	1.0	359.9 (350T)	023.3	03000
		MOSBY	010	FACF	IF		FB				03000
		WAXIN	020	FAF	TF		FB	0.5	010.7 (001T)	007.5	01900
		RW01R	030	MAP	TF		FO	0.3	010.7 (001T)	004.8	00365 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FUREE	040		TF		FO	1.0	010.7 (001T)	004.9	
	HARPP	050		DF	L	FO	1.0	304.1 (294T)	025.2	05000
	HARPP	060		HM		FO	2.0	134.0 (124T)	006.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BRV	N382010.62	W0772110.45	N3820.177	W07721.174
	CSN	N383828.43	W0775155.88	N3838.474	W07751.931
	DRUZZ	N390948.28	W0782128.71	N3909.805	W07821.479
	FUREE	N390019.34	W0772606.84	N3900.322	W07726.114
	HARPP	N391034.42	W0775543.21	N3910.574	W07755.720
	MOSBY	N384307.44	W0772622.20	N3843.124	W07726.370
	SHNON	N385559.19	W0780322.35	N3855.987	W07803.373
	WAXIN	N385039.71	W0772615.49	N3850.662	W07726.258
	RW01R	N385525.53	W0772611.22	N3855.426	W07726.187

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW01R	00312	53

QUALITY
CHECKED

CITY AND STATE	ELEVATION: 312 TDZE: 312	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WASHINGTON, DC	AIRPORT NAME: WASHINGTON DULLES INTL	RNAV	22 OCT 2009	AMDT: ORIG
			RNAV (RNP) Z RWY 1R, ORIG-A	DATED: 08/30/2007

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				MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA CLIMB TO 4000 VIA TRACK 190.65 TO BOPAC AND VIA TRACK 265.33 TO BLUES AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 076.21 INBOUND CHART FAS OBST: 430 TWR 385914N/0772651W DIST TO THLD FROM 468 HAT: 1.31 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 322.7 MSL (DO NOT CHART) MAG VAR: 10W EPOCH YEAR: 2000				
SHNON (40E)	CRVER (TF) (FB) (RNP 1.00) (40E)	047.52/28.60	4100					
DRUZZ (40E)	CRVER (TF) (FB) (RNP 1.00) (40E)	084.11/32.72	4100					
CRVER (40E)	DIMKE (TF) (FB) (RNP 1.00) (40E) (43A)	100.51/10.61	4000					
MULRR (40E)	DIMKE (TF) (FB) (RNP 1.00) (40E) (43A)	205.97/20.09	4000					
DIMKE (IAF) (40E) (43A)	BOYDS (TF) (FB) (RNP 0.50) (40E) (41E)	190.65/6.02	4000					
TRING (IAF) (40E) (43A)	BGBRO (TF) (FB) (RNP 1.00) (40E)	023.78/9.85	4000					
BGBRO (40E)	BOYDS (RF) (FB) (RNP 0.50) (40E) (41E)	(3.75 NM RADIUS CCW ZAGIB) /12.64	4000					
CONTINUED ON PAGE 2								
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT <u>BOYDS</u> 3. FAC: <u>190.65</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN. ALT: <u>BOYDS 4000, CIREP 2500</u> 5. DIST TO THLD FROM OM: <u>3.66</u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>1500</u> GS ALT AT: <u>FEMKO 1500</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.0# 34:1 IS CLEAR</u> 8. MSA FROM: <u>RW19C 3400</u>								
MINIMUMS								
TAKEOFF:	STANDARD	X	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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED								
RNP 0.30 DA	740	6000	468	740	6000	468	740	6000
NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (6F) OR ABOVE 47C (117F). FOR INOPERATIVE ALSF, INCREASE RNP 0.30 VISIBILITY TO 1 3/4. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CONTINUED ON PAGE 2								
CITY AND STATE		ELEVATION: 312 TDZE: 272		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:		SUP:
WASHINGTON, DC		WASHINGTON DULLES INTL		RNAV		22 OCT 2009		AMDT: ORIG-A
						RNAV (RNP) Z RWY 19C, ORIG-B		DATE 06/05/2008

 QUALITY
8
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES 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 (CONTINUED FROM PAGE 1):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BOYDS (IF)(40E)(43I)	CIREP (TF) FB(RNP 0.50)(40E)(42S)	190.65/ 7.43	2500
CIREP (40E)(42S)	FEMKO (TF) (FB) (RNP 0.50) (40E) (43F)	190.65/3.18	1500
FEMKO (FAF)(40E)(43F)	RW19C (TF) (FO) (40G) (41Y) (43M)	190.65/3.66	
RW19C (MAP)(40G)(41Y)(43M)	BOPAC (TF) (FB) (RNP 1.00)(40E) (42M)	190.65/4.94	
BOPAC (40E)(42M)	BLUES (TF) (FO) (RNP 1.00) (40E) (41Y)	265.33/21.67	4000

NOTES CONT'D.

CHART PLANVIEW NOTE AT BGBRO: MAX 210 KIAS.

CHART PLANVIEW NOTE AT CRVER: MAX 220 KIAS.

CHART PLANVIEW NOTE AT TRING: RF REQUIRED.

CHART PLANVIEW NOTE AT SHNON, DRUZZ, MULRR, TRING: (RNP 0.50)

QUALITY
&
CHECKED

CITY AND STATE

WASHINGTON, DC

ELEVATION:

312 TDZE:

272

AIRPORT NAME:

WASHINGTON DULLES INTL

FACILITY

IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

22 OCT 2009

RNAV (RNP) Z RWY 19C, ORIG-B

SUP:

AMDT:

ORIG-A

DATED:

06/05/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DRUZZ	DRUZZ	010		IF		FB				
	DRUZZ	CRVER	020		TF		FB	1.0	084.1 (074T)	032.7	04100
	DRUZZ	DIMKE	030	IAF	TF		FB	1.0	100.5 (091T)	010.6	04000
	DRUZZ	BOYDS	040	IF	TF		FB	0.5	190.7 (181T)	006.0	04000
	MULRR	MULRR	010		IF		FB				
	MULRR	DIMKE	020	IAF	TF		FB	1.0	206.0 (196T)	020.1	04000
	MULRR	BOYDS	030	IF	TF		FB	0.5	190.7 (181T)	006.0	04000
	SHNON	SHNON	010		IF		FB				
	SHNON	CRVER	020		TF		FB	1.0	047.5 (038T)	028.6	04100
	SHNON	DIMKE	030	IAF	TF		FB	1.0	100.5 (091T)	010.6	04000
	SHNON	BOYDS	040	IF	TF		FB	0.5	190.7 (181T)	006.0	04000
	TRING	TRING	010	IAF	IF		FB				
	TRING	BGBRO	020		TF		FB	1.0	023.8 (014T)	009.9	04000
	TRING	BOYDS	030	IF	RF	L	FB	0.5		012.6	04000
		BOYDS	010	FACF	IF		FB				04000
		CIREP	011	SDF	TF		FB	0.5	190.7 (181T)	007.4	02500
		FEMKO	020	FAF	TF		FB	0.5	190.7 (181T)	003.2	01500
		RW19C	030	MAP	TF		FO	0.3	190.7 (181T)	003.7	00323 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BOPAC	040		TF		FB	1.0	190.7 (181T)	004.9	
	BLUES	050		TF		FO	1.0	265.3 (255T)	021.7	04000
	BLUES	060		HM	R	FO	2.0	076.2 (066T)	005.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BGBRO	N391134.49	W0771750.59	N3911.575	W07717.843
	BLUES	N384745.11	W0775427.08	N3847.752	W07754.451
	BOPAC	N385317.86	W0772737.87	N3853.298	W07727.631
	BOYDS	N391231.01	W0772721.08	N3912.517	W07727.351
	CIREP	N390504.91	W0772727.59	N3905.082	W07727.460
	CRVER	N391839.24	W0774055.79	N3918.654	W07740.930
	DIMKE	N391832.78	W0772715.78	N3918.546	W07727.263
	DRUZZ	N390948.28	W0782128.71	N3909.805	W07821.479

CONT. ON PAGE 4

CITY AND STATE

WASHINGTON, DC

ELEVATION: 312 TDZE: 272

AIRPORT NAME:

WASHINGTON DULLES INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

22 OCT 2009

RNAV (RNP) Z RWY 19C, ORIG-B

SUP:

AMDT: ORIG-A

DATED: 06/05/2008

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

CONTINUED...

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FEMKO	N390154.08	W0772730.37	N3901.901	W07727.506
	MULRR	N393753.12	W0772008.51	N3937.885	W07720.142
	SHNON	N385559.19	W0780322.35	N3855.987	W07803.373
	TRING	N390200.00	W0772051.60	N3902.000	W07720.860
	ZAGIB	N391228.36	W0772231.63	N3912.473	W07722.527
	RW19C	N385814.30	W0772733.57	N3858.238	W07727.560

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW19C	00269	54

QUALITY
3
CHECKED

CITY AND STATE

WASHINGTON, DC

ELEVATION:

312

TDZE:

272

AIRPORT NAME:

WASHINGTON DULLES INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

22 OCT 2009

RNAV (RNP) Z RWY 19C, ORIG-B

SUP:

AMDT: ORIG-A

DATED: 06/05/2008

U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH											
FROM	T O	COURSE AND DISTANCE	ALTITUDE	MAP: DA											
SHNON (40E)	CRVER (TF) (FB) (RNP 1.00) (40E)	047.52/28.60	4100	CLIMB TO 2000 VIA TRACK 190.67 TO WAXIN AND HOLD.											
DRUZZ (40E)	CRVER (TF) (FB) (RNP 1.00) (40E)	084.11/32.72	4100												
CRVER (40E)	YYANG (TF) (FB) (RNP 1.00) (40E) (43A)	100.51/11.71	4000	ADDITIONAL FLIGHT DATA: HOLD S, LT, 010.67 INBOUND DIST TO THLD FROM 441 HAT: 1.24 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 348.5 MSL (DO NOT CHART)											
MULRR (40E)	YYANG (TF) (FB) (RNP 1.00) (40E) (43A)	202.88/19.83	4000												
YYANG (IAF) (40E) (43A)	IZUMI (TF) (FB) (RNP 0.50) (40E) (41E)	190.67/6.65	3000												
TRING (IAF) (40E) (43A)	PERTE (TF) (FB) (RNP 1.00) (40E)	031.28/9.08	4000												
PERTE (40E)	IZUMI (RF) (FB) (RNP 0.50) (40E) (41E)	(3.75 NM RADIUS CCW ZEGVA) /13.13	3000												
CONTINUED ON PAGE 2															
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)				MAG VAR: 10W EPOCH YEAR: 2000											
2. PROFILE STARTS AT IZUMI															
3. FAC: <u>190.67</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____															
4. MIN. ALT: <u>IZUMI 3000</u>															
5. DIST TO THLD FROM OM: <u>4.20</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: <u>1700</u> GS ALT AT: <u>DOMSE 1700</u> OM: _____ MM: _____ IM: _____															
7. GS ANGLE: <u>3.00</u> TCH: <u>55.3#</u> 34:1 IS CLEAR															
8. MSA FROM: <u>RW19L 3400</u>															
MINIMUMS															
TAKEOFF:	STANDARD	X	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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30 DA	743	5000	441	743	5000	441	743	5000	441	743	5000	441			
NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (6F) OR ABOVE 47C (118F). FOR INOPERATIVE MALSR, INCREASE RNP 0.30 VISIBILITY TO 1 1/2. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CONTINUED ON PAGE 2															
CITY AND STATE		ELEVATION: 312 TDZE: 302		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:					
WASHINGTON, DC		WASHINGTON DULLES INTL		RNAV		22 OCT 2009				AMDT: ORIG					
						RNAV (RNP) Z RWY 19L, ORIG-A				DATE 08/30/2007					

QUALITY
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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TERMINAL ROUTES (CONTINUED FROM PAGE 1):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
IZUMI (IF)(40E)(43I)	DOMSE (TF)(FB)(RNP 0.50)(40E)(43F)	190.67/10.35	1700
DOMSE (FAF)(40E)(43F)	RW19L (TF)(FO)(40G)(41Y)(43M)	190.67/4.20	
RW19L (MAP)(40G)(41Y)(43M)	WAXIN (TF)(FO)(RNP 1.00)(40E)(41Y)(42M)	190.67/6.65	2000

NOTES CONT'D.

CHART PLANVIEW NOTE AT PERTE: MAX 210 KIAS

CHART PLANVIEW NOTE AT TRING: RF REQUIRED.

CHART PLANVIEW NOTE AT SHNON, DRUZZ, MULRR, TRING: (RNP 0.50)

QUALITY
CHECKED

CITY AND STATE

WASHINGTON, DC

ELEVATION:

312 TDZE:

302

AIRPORT NAME:

WASHINGTON DULLES INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

22 OCT 2009

RNAV (RNP) Z RWY 19L, ORIG-A

SUP:

AMDT:

ORIG

DATED:

08/30/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DRUZZ	DRUZZ	010		IF		FB				
	DRUZZ	CRVER	020		TF		FB	1.0	084.1 (074T)	032.7	04100
	DRUZZ	YYANG	030	IAF	TF		FB	1.0	100.5 (091T)	011.7	04000
	DRUZZ	IZUMI	040	IF	TF		FB	0.5	190.7 (181T)	006.7	03000
	MULRR	MULRR	010		IF		FB				
	MULRR	YYANG	020	IAF	TF		FB	1.0	202.9 (193T)	019.8	04000
	MULRR	IZUMI	030	IF	TF		FB	0.5	190.7 (181T)	006.7	03000
	SHNON	SHNON	010		IF		FB				
	SHNON	CRVER	020		TF		FB	1.0	047.5 (038T)	028.6	04100
	SHNON	YYANG	030	IAF	TF		FB	1.0	100.5 (091T)	011.7	04000
	SHNON	IZUMI	040	IF	TF		FB	0.5	190.7 (181T)	006.7	03000
	TRING	TRING	010	IAF	IF		FB				
	TRING	PERTE	020		TF		FB	1.0	031.3 (021T)	009.1	04000
	TRING	IZUMI	030	IF	RF	L	FB	0.5		013.1	03000
		IZUMI	010	FACF	IF		FB				03000
		DOMSE	020	FAF	TF		FB	0.3	190.7 (181T)	010.4	01700
		RW19L	030	MAP	TF		FO	0.3	190.7 (181T)	004.2	00348 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WAXIN	040		TF		FO	1.0	190.7 (181T)	006.7	02000
	WAXIN	050		HM	L	FO	2.0	010.7 (001T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CRVER	N391839.24	W0774055.79	N3918.654	W07740.930
	DOMSE	N390131.11	W0772605.75	N3901.519	W07726.096
	DRUZZ	N390948.28	W0782128.71	N3909.805	W07821.479
	IZUMI	N391152.58	W0772556.40	N3911.876	W07725.940
	MULRR	N393753.12	W0772008.51	N3937.885	W07720.142
	PERTE	N391027.86	W0771637.47	N3910.464	W07716.625
	SHNON	N385559.19	W0780322.35	N3855.987	W07803.373
	TRING	N390200.00	W0772051.60	N3902.000	W07720.860

CONT. ON PAGE 4

CITY AND STATE	ELEVATION: 312 TDZE: 302	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WASHINGTON, DC	AIRPORT NAME: WASHINGTON DULLES INTL	RNAV	22 OCT 2009	AMDT: ORIG
			RNAV (RNP) Z RWY 19L, ORIG-A	DATED: 08/30/2007

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

CONTINUED...

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	WAXIN	N385039.71	W0772615.49	N3850.662	W07726.258
	YYANG	N391832.01	W0772550.37	N3918.534	W07725.840
	ZEGVA	N391149.85	W0772107.00	N3911.831	W07721.117
	RW19L	N385719.18	W0772609.53	N3857.320	W07726.159

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW19L	00293	55

QUALITY
8
CHECKED

CITY AND STATE

WASHINGTON, DC

ELEVATION: 312 TDZE: 302

AIRPORT NAME:

WASHINGTON DULLES INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

22 OCT 2009

RNAV (RNP) Z RWY 19L, ORIG-A

SUP:

AMDT: ORIG

DATED: 08/30/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
OOD VORTAC	FOMOB (FB)	235.26 / 14.10	2000	LPV: DA LNAV/VNAV: DA LNAV: RW01 CLIMB TO 2000 DIRECT CUBBE AND LEFT TURN VIA TRACK 265.16 TO TENPY AND VIA TRACK 214.46 TO ELUDE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 090.65 INBOUND. CHART FAS OBST: 228 TOWER 393927N/0753641W CHART 561 STACK 393536N/0753803W. DISTANCE TO THLD FROM 250 HAT: 0.62 NM. WAAS CHANNEL # 65815 REFERENCE PATH ID: W01A
FOMOB (IAF)	COTMA (FB)	285.13 / 5.00	2000	
ODESA (IAF)	COTMA (FB)	104.90 / 9.48	2000	
COTMA (IF)	FESER (FB)	015.06 / 6.05	1900	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT COTMA
3. FAC: 015.06 FAF: FESER DIST FAF TO MAP: 5.48 THLD: 5.48
4. MIN. ALT: COTMA 2000, FESER 1900, CIROM/2.60 NM TO RW01 960*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1900 GS ALT AT: FESER OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 52.4 34:1 IS NOT CLEAR
8. MSA FROM: RW01 2600

MAG VAR: 10W EPOCH YEAR: 1980

MINIMUMS

TAKEOFF:		STANDARD	X	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	326	5000	250	326	5000	250	326	5000	250	326	5000	250				
LNAV/VNAV DA	525	5000	449	525	5000	449	525	5000	449	525	5000	449				
LNAV MDA	480	5000	404	480	5000	404	480	5000	404	480	5000	404				
CIRCLING	540	1	460	540	1	480	600	1 1/2	520	640	2	560				

NOTES:
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CATS A AND B.
 CHART NOTE: BARO-VNAV NA WHEN USING PHILADELPHIA INTL ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE WILMINGTON, DE	ELEVATION: 80 TDZE: 76 AIRPORT NAME: NEW CASTLE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 22 OCT 2009	SUP: AMD'T: NONE DATED

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ODESA VIA V170-214-433-445 SOUTHWEST BOUND.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHILADELPHIA INTL ALTIMETER SETTING:

INCREASE LPV DA TO 380, LNAV/VNAV DA TO 579, AND ALL MDA 60 FT; INCREASE LNAV/VNAV ALL CATS
VISIBILITY TO RVR 6000.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OOD VORTAC AIRWAY RADIALS 212 CW 290.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CATS C AND D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING PHILADELPHIA INTL ALTIMETER SETTING, INCREASE LNAV
VISIBILITY CAT C 1/4 MILE.

CITY AND STATE WILMINGTON, DE	ELEVATION: 80 TDZE: 76 AIRPORT NAME: NEW CASTLE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KILG
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W01A
REFERENCE PATH IDENTIFIER (APPROACH ID)	394009.4505N
LTP/FTP LATITUDE	0753613.7640W
LTP/FTP LONGITUDE	-00102
LTP/FTP ELLIPSOIDAL HEIGHT	394118.6200N
FPAP LATITUDE	0753605.8200W
FPAP LONGITUDE	00052.4
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.50
COURSE WIDTH AT THRESHOLD	0008
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	
<u>CRC REMAINDER</u>	0E911065

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00229
FPAP ORTHOMETRIC HEIGHT	+00229

CITY AND STATE
WILMINGTON, DE

ELEVATION: 80 TDZE: 76
AIRPORT NAME:
NEW CASTLE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 1, ORIG
22 OCT 2009

SUP:
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.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KILGK6FR01	AODESA	0100	DESAK6EA0E	A	IF					18000		A JS	
SUSAP KILGK6FR01	AODESA	020C	OTMAK6EA0EE		010TF		10490095	+	02000			A JS	
SUSAP KILGK6FR01	AOOD	010O	OD K6D 0V		IF					18000		A JS	
SUSAP KILGK6FR01	AOOD	020F	OMOBK6EA0E	A	020TF		23530141	+	02000			A JS	
SUSAP KILGK6FR01	AOOD	030C	OTMAK6EA0EE		010TF		28510050	+	02000			A JS	
SUSAP KILGK6FR01	R	010C	OTMAK6EA0E	I	IF			+	02000	18000		A JS	
SUSAP KILGK6FR01	R	020F	ESERK6EA1E	F	051TF		01510061	+	01900		RW01 K6PGA	JS	
SUSAP KILGK6FR01	R	020F	ESERK6EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP KILGK6FR01	R	021C	IROMK6EA0E	S	031TF		01510029	V	0096000962		-300	A JS	
SUSAP KILGK6FR01	R	030R	W01 K6PG0GY	M	031TF		01510026		00127		-300	A JS	
SUSAP KILGK6FR01	R	040C	UBBEK6EA0E	M	010DF							A JS	
SUSAP KILGK6FR01	R	050T	ENPYK6EA0E		L010TFY		2652					A JS	
SUSAP KILGK6FR01	R	060E	LUDEK6EA0EY		010TF		2145	+	02000			A JS	
SUSAP KILGK6FR01	R	070E	LUDEK6EA0EE		R020HM		09070040	+	02000			A JS	

QUALITY
1
CHECKED

FAA FORM 8260-10 / MARCH 2003 (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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

6-11-68

CITY AND STATE WILMINGTON, DE	ELEVATION: 80 TDZE: 76 AIRPORT NAME: NEW CASTLE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ODESA	ODESA	010	IAF	IF		FB				
	ODESA	COTMA	020		TF		FB	1.0	104.9 (095T)	009.5	02000
	OOD	OOD	010		IF		FB				
	OOD	FOMOB	020	IAF	TF		FB	2.0	235.3 (225T)	014.1	02000
	OOD	COTMA	030		TF		FB	1.0	285.1 (275T)	005.0	02000
		COTMA	010	FACF	IF		FB				02000
		FESER	020	FAF	TF		FB	0.5	015.1 (005T)	006.1	01900
		CIROM	021	SDF	TF		FB	0.3	015.1 (005T)	002.9	0096000962
		RW01	030	MAP	TF		FO	0.3	015.1 (005T)	002.6	00127

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CUBBE	040		DF		FB	1.0			
	TENPY	050		TF	L	FB	1.0	265.2 (255T)		
	ELUDE	060		TF		FO	1.0	214.5 (205T)		02000
	ELUDE	070		HM	R	FO	2.0	090.7 (081T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OOD	N393809.71	W0751810.88	N3938.162	W07518.181
	CIROM	N393733.93	W0753631.60	N3937.566	W07536.527
	COTMA	N392839.77	W0753732.72	N3928.663	W07537.545
	CUBBE	N394648.50	W0753527.88	N3946.808	W07535.465
	ELUDE	N393911.28	W0754808.43	N3939.188	W07548.141
	FESER	N393441.50	W0753651.36	N3934.692	W07536.856
	FOMOB	N392813.11	W0753106.83	N3928.219	W07531.114
	ODESA	N392929.00	W0754944.37	N3929.483	W07549.740
	TENPY	N394453.77	W0754446.90	N3944.896	W07544.782
	RW01	N394009.45	W0753613.76	N3940.158	W07536.229

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION
	TCH	
RW01	00075	52

CITY AND STATE WILMINGTON, DE	ELEVATION: 80 TDZE: 76	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 22 OCT 2009	SUP:
	AIRPORT NAME: NEW CASTLE			AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
MXE VORTAC	ESTOO (FB)	228.57 / 15.14	2100	LPV: DA LNAV/VNAV: DA LNAV: RW09 CLIMB TO 2100 DIRECT GUSTE AND VIA TRACK 123.75 TO OOD VORTAC AND HOLD.								
OOD VORTAC	DREFF (FB)	269.24 / 24.81	2100									
ESTOO (IAF)	AWINN (FB)	177.57 / 5.00	2000	ADDITIONAL FLIGHT DATA: HOLD SW, LT, 032.28 INBOUND. CHART FAS OBST: 163 TREE 394027N/0753717W CHART FAS OBST: 262 TOWER 393902N/0754300W DISTANCE TO THLD FROM 314 HAT: 0.81 NM. CHART VDP AT 1.21 MILES TO RW09* *LNAV ONLY. WAAS CHANNEL # 49015 REFERENCE PATH ID: W09A								
DREFF (IAF)	AWINN (FB)	357.59 / 5.00	2000									
AWINN (IF)	BATRE (FB)	087.58 / 6.10	1700									
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u>FT</u> WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT <u>AWINN</u> 3. FAC: <u>087.66</u> FAF: <u>BATRE</u> DIST FAF TO MAP: <u>4.85</u> THLD: <u>4.85</u> 4. MIN. ALT: <u>AWINN 2000, BATRE 1700</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u>150</u> HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>1700</u> GS ALT AT: <u>BATRE</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW09 2600</u>				MAG VAR: <u>10W</u> EPOCH YEAR: <u>1980</u>								
MINIMUMS												
TAKEOFF:	STANDARD	X	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
LPV DA	394	1	314	394	1	314	394	1	314	394	1	314
LNAV/VNAV DA	433	1 1/4	353	433	1 1/4	353	433	1 1/4	353	433	1 1/4	353
LNAV MDA	520	1	440	520	1	440	520	1 1/4	440	520	1 1/2	440
CIRCLING	540	1	460	540	1	460	600	1 1/2	520	640	2	560
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *LNAV ONLY SEE 8260-10												
CITY AND STATE		ELEVATION: 80 TDZE: 80		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
WILMINGTON, DE		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 9, ORIG			AMDT: NONE			
		NEW CASTLE				22 OCT 2009			DATED			

QUALITY
CHECKED
2

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MXE VORTAC AIRWAY RADIALS 177 CW 283.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OOD VORTAC AIRWAY RADIALS 212 CW 290.

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING PHILADELPHIA INTL ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHILADELPHIA INTL ALTIMETER SETTING:

INCREASE LPV DA TO 448, LNAV/VNAV DA TO 568 AND ALL MDA 60 FT; INCREASE LPV ALL CATS VISIBILITY

1/4 MILE AND LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE.

QUALITY
2
CHECKED

CITY AND STATE

WILMINGTON, DE

ELEVATION: 80 TDZE: 80

AIRPORT NAME:

NEW CASTLE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 9, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KILG
RUNWAY RW09
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W09A
LTP/FTP LATITUDE 394041.0330N
LTP/FTP LONGITUDE 0753714.1130W
LTP/FTP ELLIPSOIDAL HEIGHT -00087
FPAP LATITUDE 394059.9700N
FPAP LONGITUDE 0753521.3400W
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 0536
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

9E79D975

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00243
FPAP ORTHOMETRIC HEIGHT +00243

CITY AND STATE

WILMINGTON, DE

ELEVATION: 80 TDZE: 80

AIRPORT NAME:

NEW CASTLE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

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.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KILGK6FR09	AMXE	010MXE	K6D 0V	IF						18000		A JS	
SUSAP KILGK6FR09	AMXE	020ESTOOK6EA0E	A	020TF		22860151		+	02100			A JS	
SUSAP KILGK6FR09	AMXE	030AWINNK6EA0EE	010TF			17760050		+	02000			A JS	
SUSAP KILGK6FR09	AOOD	010OOD	K6D 0V	IF						18000		A JS	
SUSAP KILGK6FR09	AOOD	020DREFPK6EA0E	A	020TF		26920248		+	02100			A JS	
SUSAP KILGK6FR09	AOOD	030AWINNK6EA0EE	010TF			35760050		+	02000			A JS	
SUSAP KILGK6FR09	R	010AWINNK6EA0E	I	IF				+	02000	18000		A JS	
SUSAP KILGK6FR09	R	020BATREK6EA1E	F	051TF		08760061		+	01700		RW09	K6PGA	JS
SUSAP KILGK6FR09	R	020BATREK6EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KILGK6FR09	R	030RW09	K6PG0GY	M	031TF		08770049		00135		-300		A JS
SUSAP KILGK6FR09	R	040GUSTEK6EA0E	M	010DF									A JS
SUSAP KILGK6FR09	R	050OOD	K6D 0VY	010TF		1238		+	02100				A JS
SUSAP KILGK6FR09	R	060OOD	K6D 0VE	L020HM		03230040		+	02100				A JS

QUALITY
1
CHECKED

CITY AND STATE WILMINGTON, DE	ELEVATION: 80 TDZE: 80 AIRPORT NAME: NEW CASTLE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 22 OCT 2009	SUP:
				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.

[illegible]

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	MXE	MXE	010		IF		FB				
	MXE	ESTOO	020	IAF	TF		FB	2.0	228.6 (219T)	015.1	02100
	MXE	AWINN	030		TF		FB	1.0	177.6 (168T)	005.0	02000
	OOD	OOD	010		IF		FB				
	OOD	DREFF	020	IAF	TF		FB	2.0	269.2 (259T)	024.8	02100
	OOD	AWINN	030		TF		FB	1.0	357.6 (348T)	005.0	02000
		AWINN	010	FACF	IF		FB				02000
		BATRE	020	FAF	TF		FB	0.5	087.6 (078T)	006.1	01700
		RW09	030	MAP	TF		FO	0.3	087.7 (078T)	004.9	00135

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GUSTE	040		DF		FB	1.0			
	OOD	050		TF		FO	1.0	123.8 (114T)		02100
	OOD	060		HM	L	FO	2.0	032.3 (022T)	004.0	02100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MXE	N395505.00	W0754014.91	N3955.083	W07540.249
	OOD	N393809.71	W0751810.88	N3938.162	W07518.181
	AWINN	N393820.46	W0755105.15	N3938.341	W07551.086
	BATRE	N393938.97	W0754322.31	N3939.650	W07543.372
	DREFF	N393327.23	W0754941.72	N3933.454	W07549.695
	ESTOO	N394313.67	W0755228.77	N3943.228	W07552.480
	GUSTE	N394159.56	W0752924.96	N3941.993	W07529.416
	RW09	N394041.03	W0753714.11	N3940.684	W07537.235

THRESHOLD	
RWY	ELEVATION TCH
RW09	00080 55

CITY AND STATE WILMINGTON, DE	ELEVATION: 80 TDZE: 80	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 22 OCT 2009	SUP:
	AIRPORT NAME: NEW CASTLE			AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
DQO VORTAC	JIGUP (FO)	015.99 / 12.24	2000	LPV: DA LNAV/VNAV: DA LNAV: RW19 CLIMB TO 2000 DIRECT FESER AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 015.06 INBOUND. CHART FAS OBST: 132 TREE 394130N/0753558W CHART FAS OBST: 214 TREE 394326N/0753627W CHART 394 TANK 394620N/0753409W. DISTANCE TO THLD FROM 300 HAT: 0.80 NM. WAAS CHANNEL # 82115 REFERENCE PATH ID: W19A								
MXE VORTAC (IAF)	JIGUP (NOPT) (FB)	127.61 / 4.76	2000									
JIGUP (IF/IAF)	CUBBE (FB)	195.08 / 6.08	1900									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N JIGUP, RT, 195.08 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 195.08 FAF: CUBBE DIST FAF TO MAP: 5.52 THLD: 5.52 4. MIN. ALT: JIGUP 2000, CUBBE 1900, HIKPO/2.40 NM TO RW19 880* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1900 GS ALT AT: CUBBE OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.2 34:1 IS NOT CLEAR 8. MSA FROM: RW19 2600				MAG VAR: 10W EPOCH YEAR: 1980								
MINIMUMS												
TAKEOFF: ☐ STANDARD ☒ X 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
LPV DA	371	1	300	371	1	300	371	1	300	371	1	300
LNAV/VNAV DA	538	1 3/4	467	538	1 3/4	467	538	1 3/4	467	538	1 3/4	467
LNAV MDA	480	1	409	480	1	409	480	1 1/4	409	480	1 1/4	409
CIRCLING	540	1	460	540	1	460	600	1 1/2	520	640	2	560
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING PHILADELPHIA INTL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10												
CITY AND STATE		ELEVATION: 80 TDZE: 71		FACILITY IDENTIFIER:		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:		SUP:				
WILMINGTON, DE		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 19, ORIG		AMDT: NONE				
		NEW CASTLE				22 OCT 2009		DATED				

QUALITY
2
CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.***LNAV ONLY****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHILADELPHIA INTL ALTIMETER SETTING:****INCREASE LPV DA TO 425, LNAV/VNAV DA TO 592, AND ALL MDA 60 FT; INCREASE LPV ALL CATS AND LNAV****CAT D VISIBILITY 1/4 MILE.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DQO VORTAC AIRWAY RADIALS 053 CW 068.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MXE VORTAC AIRWAY RADIALS 056 CW 129.**

QUALITY
2
CHECKED

CITY AND STATE

WILMINGTON, DE

ELEVATION: 80

TDZE: 71

AIRPORT NAME:

NEW CASTLE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 19, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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. Cellings are 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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KILG
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	394118.4760N
LTP/FTP LONGITUDE	0753605.8280W
LTP/FTP ELLIPSOIDAL HEIGHT	-00144
FPAP LATITUDE	393949.6600N
FPAP LONGITUDE	0753616.0300W
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	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	9EBB7B44

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00185
FPAP ORTHOMETRIC HEIGHT	+00185

CITY AND STATE WILMINGTON, DE	ELEVATION: 80 TDZE: 71 AIRPORT NAME: NEW CASTLE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

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.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KILGK6FR19	ADQO	010DQO	K6D	OV	IF					18000		A	JS
SUSAP KILGK6FR19	ADQO	020JIGUPK6EA0EY	020TF			01600122	+	02000				A	JS
SUSAP KILGK6FR19	ADQO	030JIGUPK6EA0EE	AR	HF		19510040	+	02000				A	JS
SUSAP KILGK6FR19	AMXE	010MXE	K6D	OV	A	IF				18000		A	JS
SUSAP KILGK6FR19	AMXE	020JIGUPK6EA0EE	010TF			12760048	+	02000				A	JS
SUSAP KILGK6FR19	R	010JIGUPK6EA0E	I	IF			+	02000		18000		A	JS
SUSAP KILGK6FR19	R	020CUBBEK6EA1E	F	051TF		19510061	+	01900			RW19	K6PGA	JS
SUSAP KILGK6FR19	R	020CUBBEK6EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KILGK6FR19	R	021HIKPOK6EA0E	S	031TF		19510031	V	0088000886		-300		A	JS
SUSAP KILGK6FR19	R	030RW19	K6PGOGY	M	031TF	19510024		00116		-300		A	JS
SUSAP KILGK6FR19	R	040FESERK6EA0EYM	010DF				+	02000				A	JS
SUSAP KILGK6FR19	R	050FESERK6EA0EE	L020HM			01510040	+	02000				A	JS

[illegible]

SUP:	
AMDT:	NONE
DATED:	

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[illegible]

QUALITY
1
CHECK

CITY AND STATE WILMINGTON, DE	ELEVATION: 80 TDZE: 71 AIRPORT NAME: NEW CASTLE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, ORIG 22 OCT 2009	SUP:	
				AMDT:	NONE
				DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DQO	DQO	010		IF		FB				
	DQO	JIGUP	020		TF		FO	2.0	016.0 (006T)	012.2	02000
	DQO	JIGUP	030	IAF	HF	R	FO		195.1 (185T)	004.0	02000
	MXE	MXE	010	IAF	IF		FB				
	MXE	JIGUP	020		TF		FB	1.0	127.6 (118T)	004.8	02000
		JIGUP	010	FACF	IF		FB				02000
		CUBBE	020	FAF	TF		FB	0.5	195.1 (185T)	006.1	01900
		HIKPO	021	SDF	TF		FB	0.3	195.1 (185T)	003.1	0088000886
		RW19	030	MAP	TF		FO	0.3	195.1 (185T)	002.4	00116

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FESER	040		DF		FO	1.0			02000
	FESER	050		HM	L	FO	2.0	015.1 (005T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DQO	N394041.30	W0753625.49	N3940.688	W07536.425
	MXE	N395505.00	W0754014.91	N3955.083	W07540.249
	CUBBE	N394648.50	W0753527.88	N3946.808	W07535.465
	FESER	N393441.50	W0753651.36	N3934.692	W07536.856
	HIKPO	N394342.03	W0753549.34	N3943.701	W07535.822
	JIGUP	N395252.31	W0753445.93	N3952.872	W07534.766
	RW19	N394118.48	W0753605.83	N3941.308	W07536.097

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW19	00061		55

CITY AND STATE
WILMINGTON, DE

ELEVATION: 80 TDZE: 71
AIRPORT NAME:
NEW CASTLE

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 19, ORIG
22 OCT 2009

SUP:
AMDT: NONE
DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
RUUTH (IAF)	KAHOE (FB)	255.29 / 18.43	2100	LPV: DA LNAV/VNAV: DA LNAV: RW27 CLIMB TO 2000 DIRECT BATRE AND VIA TRACK 272.89 TO ELUDE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 090.65 INBOUND. CHART FAS OBST: 229 ANT 394135N/0753427W CHART 485 STACK 394136N/0752909W. DISTANCE TO THLD FROM 354 HAT: 0.87 NM. WAAS CHANNEL # 53515 REFERENCE PATH ID: W27A											
OOD VORTAC (IAF)	KAHOE (FB)	342.12 / 5.78	2100												
KAHOE (IF)	GUSTE (FB)	267.90 / 6.10	1800												
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT KAHOE 3. FAC: <u>267.82</u> FAF: <u>GUSTE</u> DIST FAF TO MAP: <u>4.98</u> THLD: <u>4.98</u> 4. MIN. ALT: <u>KAHOE 2100, GUSTE 1800, JEKVO/2.20 NM TO RW27 860*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>GUSTE</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.10</u> TCH: <u>68.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW27 2600</u>				MAG VAR: <u>10W</u> EPOCH YEAR: <u>1980</u>											
MINIMUMS															
TAKEOFF: <u> </u> STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: <u>N A</u> STANDARD @ <u> </u>											
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	426	1 1/4	354	426	1 1/4	354	426	1 1/4	354	426	1 1/4	354			
LNAV/VNAV DA	516	1 1/2	444	516	1 1/2	444	516	1 1/2	444	516	1 1/2	444			
LNAV MDA	480	1	408	480	1	408	480	1 1/4	408	480	1 1/4	408			
CIRCLING	540	1	460	540	1	460	600	1 1/2	520	640	2	560			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING PHILADELPHIA INTL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 39C (102F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 80 TDZE: 72		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMD NO./EFFECTIVE DATE:				SUP:					
WILMINGTON, DE		AIRPORT NAME: NEW CASTLE				RNAV (GPS) RWY 27, ORIG				AMD: NONE					
						22 OCT 2009				DATED					

QUALITY
2
CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RUUTH VIA V123-157 NORTHEAST BOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OOD VORTAC AIRWAY RADIALS 290 CW 336.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHILADELPHIA INTL ALTIMETER SETTING:

INCREASE LPV DA TO 480, LNAV/VNAV DA TO 570, AND ALL MDA 60 FT; INCREASE LNAV/VNAV ALL CATS AND LNAV CAT D VISIBILITY 1/4 MILE.

QUALITY
2

CITY AND STATE WILMINGTON, DE	ELEVATION: 80 TDZE: 72 AIRPORT NAME: NEW CASTLE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KILG
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	394056.2950N
LTP/FTP LONGITUDE	0753543.1845W
LTP/FTP ELLIPSOIDAL HEIGHT	-00112
FPAP LATITUDE	394037.3600N
FPAP LONGITUDE	0753735.9500W
THRESHOLD CROSSING HEIGHT (TCH)	00068.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0536
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	EE0AE2B5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00218
FPAP ORTHOMETRIC HEIGHT	+00218

CITY AND STATE
WILMINGTON, DE

ELEVATION: 80 TDZE: 72
AIRPORT NAME:
NEW CASTLE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, ORIG
22 OCT 2009

SUP:
AMDT: NONE
DATED:

QUALITY
2
CHECKED

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[illegible][illegible]

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAP KILGK6AILG	0	072YHN39404340W075362390W010000080					1800018000C	MNAR	NEW CASTLE				

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KILGK6FR27	AODD	010OOD	K6D 0V	A	IF				18000			A JS	
SUSAP KILGK6FR27	AODD	020KAHOEK6EA0EE		010TF		34210058		+ 02100				A JS	
SUSAP KILGK6FR27	ARUUTH	010RUUTHK6EA0E	A	IF					18000			A JS	
SUSAP KILGK6FR27	ARUUTH	020KAHOEK6EA0EE		010TF		25530184		+ 02100				A JS	
SUSAP KILGK6FR27	R	010KAHOEK6EA0E	I	IF				+ 02100	18000			A JS	
SUSAP KILGK6FR27	R	020GUSTEK6EA1E	F	051TF		26790061		+ 01800			RW27	K6PGA JS	
SUSAP KILGK6FR27	R	020GUSTEK6EA2WALPV			ALNAV/VNAV ALNAV							JS	
SUSAP KILGK6FR27	R	021JEKVOK6EA0E	S	031TF		26780028		V 0086000869		-310		A JS	
SUSAP KILGK6FR27	R	030RW27 K6PGOGY	M	031TF		26780022		00140		-310		A JS	
SUSAP KILGK6FR27	R	040BATREK6EA0E	M	010DF								A JS	
SUSAP KILGK6FR27	R	050ELUDEK6EA0EY		010TF		2729		+ 02000				A JS	
SUSAP KILGK6FR27	R	060ELUDEK6EA0EE		R020HM		09070040		+ 02000				A JS	

QUALITY
1
CHECKED

CITY AND STATE WILMINGTON, DE	ELEVATION: 80 TDZE: 72 AIRPORT NAME: NEW CASTLE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

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SUSAP KILGK6GRW27 0072752678 N39405630W075354318+0100 -0011200072000068150R

SUSAP	KILGK6PR27	RW27	001	0000W27A0N3940562950W07535431845-001120310N3940373600W07537359500106750536000680F400500EE0AE2B5
SUSAP	KILGK6PR27	RW27	002E	+00218+00218LPV 53515

SUSAP KILGK6SRW27 K6PG	0	18018002625	M

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	OOD	OOD	010	IAF	IF		FB				
	OOD	KAHOE	020		TF		FB	1.0	342.1 (332T)	005.8	02100
	RUUTH	RUUTH	010	IAF	IF		FB				
	RUUTH	KAHOE	020		TF		FB	1.0	255.3 (245T)	018.4	02100
		KAHOE	010	FACF	IF		FB				02100
		GUSTE	020	PAF	TF		FB	0.5	267.9 (258T)	006.1	01800
		JEKVO	021	SDF	TF		FB	0.3	267.8 (258T)	002.8	0086000869
		RW27	030	MAP	TF		FO	0.3	267.8 (258T)	002.2	00140

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BATRE	040		DF		FB	1.0			
	ELUDE	050		TF		FO	1.0	272.9 (263T)		02000
	ELUDE	060		HM	R	FO	2.0	090.7 (081T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OOD	N393809.71	W0751610.88	N3938.162	W07518.181
	BATRE	N393938.97	W0754322.31	N3939.650	W07543.372
	ELUDE	N393911.28	W0754808.43	N3939.188	W07548.141
	GUSTE	N394159.56	W0752924.96	N3941.993	W07529.416
	JEKVO	N394124.30	W0753256.08	N3941.405	W07532.935
	KAHOE	N394316.62	W0752141.21	N3943.277	W07521.687
	RUUTH	N395101.24	W0745959.17	N3951.021	W07459.986
	RW27	N394056.30	W0753543.18	N3940.938	W07535.720

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27	00072	68

CITY AND STATE WILMINGTON, DE	ELEVATION: 80 TDZE: 72	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG 22 OCT 2009	SUP:
	AIRPORT NAME: NEW CASTLE			AMDT: NONE
				DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW09L CLIMB TO 2000 DIRECT HOTMA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 273.42 INBOUND. CHART FAS OBST: 64 OL ON TOWER 253914N/0802629W CHART FAS OBST: 98 TREE 253922N/0802613W CHART 160 TOWER 253850N/0803019W. DISTANCE TO THLD FROM 250 HAT: 0.63 NM. WAAS CHANNEL # 99415 REFERENCE PATH ID: W09B CHART A-291D											
DHP VORTAC	JULED (FO)	245.03 / 18.07	2000												
VKZ VOR/DME	JULED (FO)	262.21 / 26.82	2100												
FOGSO	JULED (FO)	087.42 / 5.59	2300												
JULED (IF/IAF)	HASDU (FB)	093.23 / 6.10	1500												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD <u>W</u> JULED, LT, 093.23 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>093.27</u> FAF: <u>HASDU</u> DIST FAF TO MAP: <u>4.47</u> THLD: <u>4.47</u> 4. MIN. ALT: <u>JULED 2000, HASDU 1500, JOGNO/1.40 NM TO RW09L 500*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>1500</u> GS ALT AT: <u>HASDU</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW09L 2900</u>				MAG VAR: 6W EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: <u> </u> STANDARD ☒ 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	258	3/4	250	258	3/4	250	258	3/4	250	258	3/4	250			
LNAV/VNAV DA	364	1 1/4	356	364	1 1/4	356	364	1 1/4	356	364	1 1/4	356			
LNAV MDA	380	1	372	380	1	372	380	1	372	380	1 1/4	372			
CIRCLING	460	1	452	460	1	452	460	1 1/2	452	640	2	632			
NOTES: CHART NOTE: CIRCLING TO RWY 13 NA AT NIGHT. CHART NOTE: BARO-VNAV NA WHEN USING MIAMI INTL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10															
CITY AND STATE MIAMI, FL				ELEVATION: 8 TDZE: 8 AIRPORT NAME: KENDALL-TAMIAMI EXECUTIVE		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9L, ORIG 22 OCT 2009				SUP:			
												AMDT: NONE			
												DATED			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

*LNAV ONLY

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DHP VORTAC AIRWAY RADIALS 195 CW 303.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIAMI INTL ALTIMETER SETTING AND
ADJUST ALL DA 27 FEET AND ALL MDA 40 FEET; INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV CAT C
VISIBILITY 1/4 MILE, AND CIRCLING CAT D VISIBILITY 1/4 MILE.

CITY AND STATE

MIAMI, FL

ELEVATION: 8

TDZE: 8

AIRPORT NAME:

KENDALL-TAMiami EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9L, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 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 KTMB
RUNWAY RW09L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W09B
LTP/FTP LATITUDE 253909.4870N
LTP/FTP LONGITUDE 0802624.3025W
LTP/FTP ELLIPSOIDAL HEIGHT -00224
FPAP LATITUDE 253913.6800N
FPAP LONGITUDE 0802445.8000W
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 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

9969A465

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00024
FPAP ORTHOMETRIC HEIGHT +00024

CITY AND STATE

MIAMI, FL

ELEVATION: 8

TDZE: 8

AIRPORT NAME:

KENDALL-TAMiami EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9L, ORIG

22 OCT 2009

SUP:

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.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTMBK7FR09L	ADHP	010DHP	K7D OV	IF					18000		A JS	
SUSAP	KTMBK7FR09L	ADHP	020JULEDK7EA0EY	020TF		24500181		+ 02000				A JS	
SUSAP	KTMBK7FR09L	ADHP	030JULEDK7EA0EE	AL HF		09320040		+ 02000				A JS	
SUSAP	KTMBK7FR09L	AFOGSO	010FOGSO	K7EA0E	IF					18000		A JS	
SUSAP	KTMBK7FR09L	AFOGSO	020JULEDK7EA0EY	020TF		08740056		+ 02300				A JS	
SUSAP	KTMBK7FR09L	AFOGSO	030JULEDK7EA0EE	AL HF		09320040		+ 02000				A JS	
SUSAP	KTMBK7FR09L	AVKZ	010VKZ	K7D OV	IF					18000		A JS	
SUSAP	KTMBK7FR09L	AVKZ	020JULEDK7EA0EY	020TF		26220268		+ 02100				A JS	
SUSAP	KTMBK7FR09L	AVKZ	030JULEDK7EA0EE	AL HF		09320040		+ 02000				A JS	
SUSAP	KTMBK7FR09L	R	010JULEDK7EA0E	I IF				+ 02000		18000		A JS	
SUSAP	KTMBK7FR09L	R	020HASDUK7EA1E	F 051TF		09320061		+ 01500			RW09L K7PGA	JS	
SUSAP	KTMBK7FR09L	R	020HASDUK7EA2WALPV		ALNAV/VNAV	ALNAV						JS	
SUSAP	KTMBK7FR09L	R	021JOGNOK7EA0E	S 031TF		09330031		V 0050000505		-300		A JS	
SUSAP	KTMBK7FR09L	R	030RW09LK7PGOGY	M 031TF		09330014		00058		-300		A JS	
SUSAP	KTMBK7FR09L	R	040HOTMAK7EA0EYM	010DF				+ 02000				A JS	
SUSAP	KTMBK7FR09L	R	050HOTMAK7EA0EE	R020HM		27340040		+ 03000				A JS	

QUALITY
1
CHECK

CITY AND STATE MIAMI, FL	ELEVATION: 8 TDZE: 8	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) RWY 9L, ORIG	AMDT: NONE
	KENDALL-TAMiami EXECUTIVE		22 OCT 2009	DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KTMBK7GRW09L 0050020933 N25390949W080262430+0000 -0022400008000050150R												

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KTMBK7PR09L RW09L001 0000W090N2539094870W08026243025-0224 0300N2539136800W08024458000106751224000500P4005009969A465												
SUSAP	KTMBK7PR09L RW09L002E +00024+00024LPV 99415												

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KTMBK7SRW09LK7PC 0 18018002925 M												

CITY AND STATE
 MIAMI, FL

ELEVATION: 8 TDZE: 8
 AIRPORT NAME:
 KENDALL-TAMiami EXECUTIVE

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 9L, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DHP	DHP	010		IF		FB				
	DHP	JULED	020		TF		FO	2.0	245.0 (239T)	018.1	02000
	DHP	JULED	030	IAP	HF	L	FO		093.2 (087T)	004.0	02000
	FOGSO	FOGSO	010		IF		FB				
	FOGSO	JULED	020		TF		FO	2.0	087.4 (081T)	005.6	02300
	FOGSO	JULED	030	IAP	HF	L	FO		093.2 (087T)	004.0	02000
	VKZ	VKZ	010		IF		FB				
	VKZ	JULED	020		TF		FO	2.0	262.2 (256T)	026.8	02100
	VKZ	JULED	030	IAP	HF	L	FO		093.2 (087T)	004.0	02000
		JULED	010	PACF	IF		FB				02000
		HASDU	020	FAP	TF		FB	0.5	093.2 (087T)	006.1	01500
		JOGNO	021	SDF	TF		FB	0.3	093.3 (087T)	003.1	0050000505
		RW09L	030	MAP	TF		FO	0.3	093.3 (087T)	001.4	00058

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HOTMA	040		DF		FO	1.0			02000
	HOTMA	050		HM	R	FO	2.0	273.4 (267T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DHP	N254759.86	W0802056.53	N2547.998	W08020.942
	VKZ	N254506.84	W0800915.99	N2545.114	W08009.267
	FOGSO	N253749.12	W0804412.13	N2537.819	W08044.202
	HASDU	N253956.77	W0803120.98	N2538.946	W08031.350
	HOTMA	N253945.25	W0801207.08	N2539.754	W08012.118
	JOGNO	N253905.53	W0802757.16	N2539.092	W08027.953
	JULED	N253839.17	W0803805.32	N2538.653	W08038.089
	RW09L	N253909.49	W0802624.30	N2539.158	W08026.405

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09L	00008	50

QUALITY
1
CONTROL

CITY AND STATE
MIAMI, FL

ELEVATION: 8 TDZE: 8
 AIRPORT NAME:
 KENDALL-TAMiami EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 9L, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
LUVLY (IAF)	CACSA (FB)	266.36 / 3.36	2000	LPV: DA LNAV/VNAV: DA LNAV: RW27L CLIMB TO 2000 DIRECT HAXAM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 093.24 INBOUND. CHART FAS OBST: 84 TREE 253844N/0802454W CHART FAS OBST: 158 TOWER 253859N/0802353W CHART 330 TOWER 253754N/0802307W. DISTANCE TO THLD FROM 203 HAT: 0.48 NM. CHART VDP AT 1.13 MILES TO RW27L* *LNAV ONLY. WAAS CHANNEL # 56400 REFERENCE PATH ID: W27A CHART A-291D.			
CACSA (IF)	ZAGUN (FB)	273.42 / 6.10	2000				

1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. PROFILE STARTS AT CACSA	
3. FAC: <u>273.37</u> FAF: <u>ZAGUN</u> DIST FAF TO MAP: <u>6.00</u> THLD: <u>6.00</u>	
4. MIN. ALT: <u>CACSA 2000, ZAGUN 2000, JINGV1.70 NM TO RW27L 600*</u>	
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>	
6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>ZAGUN</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>	
7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> <u>34:1 IS NOT CLEAR</u>	
8. MSA FROM: <u>RW27L 2900</u>	

MINIMUMS															
TAKEOFF:	STANDARD	X	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	211	1	203	211	1	203	211	1	203	211	1	203			
LNAV/VNAV DA	441	1 1/2	433	441	1 1/2	433	441	1 1/2	433	441	1 1/2	433			
LNAV MDA	420	1	412	420	1	412	420	1 1/4	412	420	1 1/4	412			
CIRCLING	460	1	452	460	1	452	460	1 1/2	452	640	2	632			

NOTES:
 CHART NOTE: CIRCLING TO RWY 13 NA AT NIGHT.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE MIAMI, FL	ELEVATION: 8 TDZE: 8	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27L, AMDT 1 22 OCT 2009	SUP:
	AIRPORT NAME: KENDALL-TAMiami EXECUTIVE			AMDT: ORIG-A
	DATED 06/28/2006			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LUVLY VIA BR49V SOUTHEAST BOUND.*****LNAV ONLY****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIAMI INTL ALTIMETER SETTING AND INCREASE ALL DA 27 FEET AND ALL MDA 40 FEET, INCREASE LNAV CAT D VISIBILITY 1/4 MILE, INCREASE CIRCLING CAT D VISIBILITY 1/4 MILE.****CHART NOTE: VDP AND BARO-VNAV NA WHEN USING MIAMI INTL ALTIMETER SETTING.**

CITY AND STATE

MIAMI, FL

ELEVATION: 8 TDZE: 8

AIRPORT NAME:

KENDALL-TAMiami EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27L, AMDT 1

22 OCT 2009

SUP:

AMDT: ORIG-A

DATED: 06/28/2006

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTMB
RUNWAY	RW27L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	253837.2255N
LTP/FTP LONGITUDE	0802522.4640W
LTP/FTP ELLIPSOIDAL HEIGHT	-00225
FPAP LATITUDE	253833.0400N
FPAP LONGITUDE	0802700.9500W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	C8CB52D3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00024
FPAP ORTHOMETRIC HEIGHT	+00024

CITY AND STATE MIAMI, FL	ELEVATION: 8 TDZE: 8 AIRPORT NAME: KENDALL-TAMiami EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27L, AMDT 1 22 OCT 2009	SUP:
				AMDT: ORIG-A
				DATED: 06/28/2006

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTMBK7FR27L	ALUVLY	010LUVLYK7EA0E	A	IF					18000		A	JS
SUSAP	KTMBK7FR27L	ALUVLY	020CACS7EA0EE	010TF		26640034		+ 02000				A	JS
SUSAP	KTMBK7FR27L	R	010CACS7EA0E	I	IF			+ 02000		18000		A	JS
SUSAP	KTMBK7FR27L	R	020ZAGUNK7EA1E	F	051TF		27340061	+ 02000			RW27L	K7PGA	JS
SUSAP	KTMBK7FR27L	R	020ZAGUNK7EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KTMBK7FR27L	R	021JINGIK7EA0E	S	031TF		27340043	V	0060000602		-300	A	JS
SUSAP	KTMBK7FR27L	R	030RW27LK7PG0GY	M	031TF		27340017		00058		-300	A	JS
SUSAP	KTMBK7FR27L	R	040HAXAMK7EA0EYM	010DF				+ 02000				A	JS
SUSAP	KTMBK7FR27L	R	050HAXAMK7EA0EE	L020HM			09320040	+ 02000				A	JS

[illegible][illegible]

SUP:	
AMDT:	ORIG-A
DATED:	06/28/2006

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.

[illegible]

SUP:	
AMDT:	ORIG-A
DATED:	06/28/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LUVLY	LUVLY	010	IAF	IF		FB				
	LUVLY	CACSA	020		TF		FB	1.0	266.4 (260T)	003.4	02000
		CACSA	010	PACF	IF		FB				02000
		ZAGUN	020	PAF	TF		FB	0.5	273.4 (267T)	006.1	02000
		JINGI	021	SDF	TF		FB	0.3	273.4 (267T)	004.3	0060000602
		RW27L	030	MAP	TF		FO	0.3	273.4 (267T)	001.7	00058

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HAXAM	040		DF		FO	1.0			02000
	HAXAM	050		HM	L	FO	2.0	093.2 (087T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CACSA	N253910.67	W0801159.90	N2539.178	W08011.998
	HAXAM	N253804.61	W0803759.98	N2538.077	W08038.000
	JINGI	N253842.00	W0802329.71	N2538.700	W08023.495
	LUVLY	N253944.61	W0800819.67	N2539.744	W08008.328
	ZAGUN	N253853.96	W0801844.61	N2538.899	W08018.744
	RW27L	N253837.23	W0802522.46	N2538.621	W08025.374

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW27L	00008		50

CITY AND STATE
MIAMI, FL

ELEVATION: 8 TDZE: 8
AIRPORT NAME:
KENDALL-TAMiami EXECUTIVE

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27L, AMDT 1
22 OCT 2009

SUP:
AMDT: ORIG-A
DATED: 06/28/2006

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
LUVLY (IAF)	HOTMA (FB)	276.19 / 3.42	2000	LPV: DA LNAV/VNAV: DA LNAV: RW27R CLIMB TO 2000 DIRECT JULED AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 093.23 INBOUND. CHART FAS OBST: 84 TREE 253844N/0802454W CHART FAS OBST: 158 TOWER 253859N/0802353W CHART 222 TOWER 253916N/0802258W. DISTANCE TO THLD FROM 250 HAT: 0.63 NM. WAAS CHANNEL # 93615 REFERENCE PATH ID: W27B CHART A-291D.								
HOTMA (IF)	FITOL (FB)	273.42 / 6.10	2000									
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HOTMA 3. FAC: <u>273.37</u> FAF: <u>FITOL</u> DIST FAF TO MAP: <u>6.00</u> THLD: <u>6.00</u> 4. MIN. ALT: <u>HOTMA 2000, FITOL 2000, ELJOM/1.40 NM TO RW27R 500*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>FITOL</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW27R 2900</u>				MAG VAR: <u>6W</u> EPOCH YEAR: <u>2010</u>								
MINIMUMS												
TAKEOFF: ☐ STANDARD ☒ X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: <u>NA</u> ☐ 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
LPV DA	258	3/4	250	258	3/4	250	258	3/4	250			
LNAV/VNAV DA	352	1 1/4	344	352	1 1/4	344	352	1 1/4	344			
LNAV MDA	420	1	412	420	1	412	420	1 1/4	412			
CIRCLING	460	1	452	460	1	452	460	1 1/2	452	640	2	632
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIAMI INTL ALTIMETER SETTING AND SEE 8260-10												
CITY AND STATE		ELEVATION: 8 TDZE: 8		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
MIAMI, FL		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 27R, ORIG			AMDT: NONE			
		KENDALL-TAMIAMI EXECUTIVE				22 OCT 2009			DATED			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

ADJUST ALL DA 27 FEET AND ALL MDA 40 FEET; INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV CAT D VISIBILITY 1/4 MILE, AND CIRCLING CAT D VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV NA WHEN USING MIAMI INTL ALTIMETER SETTING.

CHART NOTE: CIRCLING TO RWY 13 NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LUVLY VIA BR49V SOUTHWEST BOUND.

CITY AND STATE

MIAMI, FL

ELEVATION: 8

TDZE: 8

AIRPORT NAME:

KENDALL-TAMiami EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27R, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

**RNAV (GPS) 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 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
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

0
0
KTMB
RW27R
0
0
W27B
253911.8060N
0802529.6960W
-00225
253907.6200N
0802708.1900W
00050.0
F
03.00
106.75
1224
40.0
50.0

CRC REMAINDER

ABDF7C5F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K7
+00024
+00024

CITY AND STATE

MIAMI, FL

ELEVATION: 8

TDZE: 8

AIRPORT NAME:

KENDALL-TAMiami EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27R, ORIG

22 OCT 2009

SUP:

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.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTMBK7FR27R	ALUVLY	010LUVLYK7EA0E	A	IF					18000		A	JS
SUSAP	KTMBK7FR27R	ALUVLY	020HOTMAK7EA0EE	010TF		27620034		+ 02000				A	JS
SUSAP	KTMBK7FR27R	R	010HOTMAK7EA0E	I	IF			+ 02000		18000		A	JS
SUSAP	KTMBK7FR27R	R	020FITOLK7EA1E	F	051TF		27340061	+ 02000			RW27R	K7PGA	JS
SUSAP	KTMBK7FR27R	R	020FITOLK7EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KTMBK7FR27R	R	021ELJOMK7EA0E	S	031TF		27340046	V	0050000505		-300		A JS
SUSAP	KTMBK7FR27R	R	030RW27RK7PG0GY	M	031TF		27340014		00058		-300		A JS
SUSAP	KTMBK7FR27R	R	040JULEDK7EA0EYM	010DF				+ 02000				A	JS
SUSAP	KTMBK7FR27R	R	050JULEDK7EA0EE	L020HM			09320040	+ 02000				A	JS

[illegible][illegible]

QUALITY
1
CHECKS

CITY AND STATE MIAMI, FL	ELEVATION: 8 TDZE: 8 AIRPORT NAME: KENDALL-TAMiami EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27R, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

QUALITY
1
CHECKED

ELEVATION: 8 TDZE: 8
AIRPORT NAME:
KENDALL-TAMIAMI EXECUTIVE

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27R, ORIG
22 OCT 2009

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	LUVLY	LUVLY	010	IAF	IF		FB				
	LUVLY	HOTMA	020		TF		FB	1.0	276.2(270T)	003.4	02000
		HOTMA	010	FACF	IF		FB				02000
		FITOL	020	PAP	TF		FB	0.5	273.4(267T)	006.1	02000
		ELJOM	021	SDF	TF		FB	0.3	273.4(267T)	004.6	0050000505
		RW27R	030	MAP	TF		FO	0.3	273.4(267T)	001.4	00058

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	JULED	040		DF		FO	1.0			02000
	JULED	050		HM	L	FO	2.0	093.2(087T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ELJOM	N253915.74	W0802356.84	N2539.262	W08023.947
	FITOL	N253928.54	W0801851.80	N2539.476	W08018.863
	HOTMA	N253945.25	W0801207.08	N2539.754	W08012.118
	JULED	N253839.17	W0803805.32	N2538.653	W08038.089
	LUVLY	N253944.61	W0800819.67	N2539.744	W08008.328
	RW27R	N253911.81	W0802529.70	N2539.197	W08025.495

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW27R	00008		50

QUALITY
1
CHECKED

CITY AND STATE MIAMI, FL	ELEVATION: 8 TDZE: 8	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27R, ORIG 22 OCT 2009	SUP:
	AIRPORT NAME: KENDALL-TAMiami EXECUTIVE			AMDT: NONE
				DATED:

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29**

TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE								
AWINY INT/MLB 13.46 DME (IF/IAF)		LILAZ RADAR (NOPT)		004.13 / 7.44 (I-TIX)				2000		ILS: DA LOC: 5.90 MILES AFTER LILAZ RADAR CLIMB TO 500 THEN CLIMBING LEFT TURN TO 2000 AND MLB VOR/DME R-343 TO MALET INT/MLB 37.18 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2000 VIA HEADING 200 AND ORL VORTAC 118.44 TO AWINY INT AND HOLD S, LT, 004.13 INBOUND. ADDITIONAL FLIGHT DATA: HOLD S, LT, 342.73 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD S AWINY INT, LT, 004.13 INBOUND. CHART FAS OBST: 122 OL ON TRANSMISSION TWR 282929N/0804747W CHART R-2934. CHART MAXIMUM USABLE ALTITUDE AT AWINY 4400.						
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT AWINY 3. FAC: <u>004.13</u> FAF: <u>LILAZ RADAR</u> DIST FAF TO MAP: <u>5.90</u> THLD: <u>5.90</u> 4. MIN. ALT: <u>AWINY 3000, LILAZ 2000</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>1099</u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>LILAZ RADAR 2000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>57.5</u> 8. MSA FROM: <u>MLB VOR/DME 3000</u>																
										MAG VAR: 5W EPOCH YEAR: 2000						
MINIMUMS																
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A		ILS: #		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 36	234	1/2	200	234	1/2	200	234	1/2	200	234	1/2	200				
S-LOC 36	380	1/2	346	380	1/2	346	380	1/2	346	380	1/2	346				
CIRCLING	640	1	606	640	1	606	640	1 3/4	606	640	2	606				
MELBOURNE ALTIMETER SETTING MINIMUMS																
S-ILS 36	294	1/2	260	294	1/2	260	294	1/2	260	294	1/2	260				
S-LOC 36	440	1/2	406	440	1/2	406	440	3/4	406	440	3/4	406				
CIRCLING	700	1	666	700	1	666	700	1 3/4	666	700	2	666				
NOTES: CHART NOTE: RADAR REQUIRED. CHART NOTE: WHEN CONTROL TOWER CLOSED, USE MELBOURNE ALTIMETER SETTING. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AWINY VIA V437 SOUTHEAST BOUND.																
# CAT A, B, C, D 700-2 # @ NA WHEN CONTROL TOWER CLOSED.																
CITY AND STATE		ELEVATION: 34 TDZE: 34		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SURF OR LOC RWY 11								
TITUSVILLE, FL		AIRPORT NAME:		I-TIX		22 OCT 2009		AMDT: 10B								
		SPACE COAST REGIONAL						DATED 03/20/2009								

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES										MISSED APPROACH					
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
DEARY (IAF)	AWINY (FB)	035.73 / 12.60	3000	LPV: DA LNAV: RW36 CLIMB TO 1600 DIRECT YERRU AND VIA TRACK 329.07 TO KYTEE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 139.45 INBOUND. CHART FAS OBST: 326 TOWER 282923N/0804704W CHART R-2934. DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.72 MILES TO RW36* LNAV ONLY. WAAS CHANNEL # 69313 REFERENCE PATH ID: W36A											
AWINY (IF/IAF)	LILAZ (FB)	004.13 / 7.44	2000												
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT AWINY 3. FAC: 004.13 FAF: LILAZ DIST FAF TO MAP: 5.90 THLD: 5.90 4. MIN. ALT: AWINY 3000, LILAZ 2000 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 2000 GS ALT AT: LILAZ OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 57.5 34:1 IS CLEAR 8. MSA FROM: RW36 3000				MAG VAR: 5W EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	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	234	1/2	200	234	1/2	200	234	1/2	200	234	1/2	200			
LNAV MDA	640	1/2	606	640	1/2	606	640	1 1/4	606	640	1 1/2	606			
CIRCLING	640	1	606	640	1	606	640	1 3/4	606	640	2	606			
MELBOURNE ALTIMETER SETTING MINIMUMS															
LPV DA	294	1/2	260	294	1/2	260	294	1/2	260	294	1/2	260			
LNAV MDA	700	1/2	666	700	1/2	666	700	1 1/4	666	700	1 1/2	666			
CIRCLING	700	1	666	700	1	666	700	1 3/4	666	700	2	666			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AWINY VIA V437 SOUTHEAST BOUND AND ARRIVALS AT DEARY VIA V441 WESTBOUND. CHART NOTE: WHEN CONTROL TOWER CLOSED, USE MELBOURNE ALTIMETER SETTING. CHART NOTE: VDP NA WHEN USING MELBOURNE ALTIMETER SETTING															
CITY AND STATE		ELEVATION: 34 TDZE: 34		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 22 OCT 2009					SUP: AMDT: NONE DATED				
TITUSVILLE, FL		AIRPORT NAME: SPACE COAST REGIONAL													

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTIX
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	283016.1605N
LTP/FTP LONGITUDE	0804747.5930W
LTP/FTP ELLIPSOIDAL HEIGHT	-00178
FPAP LATITUDE	283128.6200N
FPAP LONGITUDE	0804748.8400W
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

59E40F03

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00102
FPAP ORTHOMETRIC HEIGHT	+00102

CITY AND STATE
TITUSVILLE, FL

ELEVATION: 34 TDZE: 34
AIRPORT NAME:
SPACE COAST REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, ORIG
22 OCT 2009

SUP:	
AMDT:	NONE
DATED:	

**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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[illegible]

SUSABAEENRT	AWINY K70	C	L	N281655404W080473382	W0058	NAR	AWINY
SUSABAEENRT	DEARY K70	C	B	N28060253W080545140	W0057	NAR	DEARY
SUSABAEENRT	KYTEE K70	W		N28402876W080540528	W0058	NAR	KYTEE
SUSABAEENRT	LILAZ K70	C		N28242141W080474150	W0058	NAR	LILAZ
SUSABAEENRT	YERRU K70	W		N28325255W080475028	W0059	NAR	YERRU

[illegible]

SUSAP KTIKK7ATIX 0 073YHN28305330W080475720W005000034 1800016000C MNAR SPACE COAST REGIONAL

[illegible]

SUSAP	KTIXK7FR36	ADEARY	010DEARYK7EA0E	A	IF				18000		A	JS
SUSAP	KTIXK7FR36	ADEARY	020AWINVK7EA0EE		010TF		03570126	+	03000		A	JS
SUSAP	KTIXK7FR36	R	010AWINVK7EA0E	I	IF			+	03000	18000	A	JS
SUSAP	KTIXK7FR36	R	020LILAZK7SA1E	F	051TF		00410074	+	02000		RW36	K7PGA JS
SUSAP	KTIXK7FR36	R	020LILAZK7EA2WALPV			N	ALNAV					JS
SUSAP	KTIXK7FR36	R	030RW36	K7PGGG	M	031TF						
SUSAP	KTIXK7FR36	R	040YERRUK7EA0E	M	010DF							
SUSAP	KTIXK7FR36	R	050KYTEEK7EA0EY		010TF		3291	+	01600		A	JS
SUSAP	KTIXK7FR36	R	060KYTEEK7EA0EE		HR020HM		13950040	+	01600		A	JS

[illegible]

SUSAP KTIKK7GRW36 0073190041 N28301616W080474759-0100 -00178000340000581001

[illegible]

SUSAP_KTIXK7PR35	RW35_001	00C0W36A0N2830161605W08047475930-001780300N2831286200W08047488400106750000000575F40G35059E40F03
SUSAP_KTIXK7PR36	RW35_002E	+00102+00102LEV 59313

CITY AND STATE
TITUSVILLE, FL

ELEVATION: 34 TDZE: 34
AIRPORT NAME:
SPACE COAST REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, ORIG
22 OCT 2009

SUP:	
AMDT:	NONE
DATED:	

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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[illegible]

ELEVATION: 34 TDZE: 34
AIRPORT NAME:
SPACE COAST REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, ORIG
22 OCT 2009

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	DEARY	DEARY	010	IAP	IF		FB				
	DEARY	AWINY	020		TF		FB	1.0	035.7(031T)	012.6	03000
		AWINY	010	FACF	IF		FB				03000
		LILAZ	020	FAP	TF		FB	0.5	004.1(359T)	007.4	02000
		RW36	030	MAP	TF		FB	0.3	004.1(359T)	005.9	00092

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	YERRU	040		DF		FB	1.0			
	KYTEE	050		TF		FO	1.0	329.1(324T)		01600
	KYTEE	060		RM	R	FO	2.0	139.5(135T)	004.0	01600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AWINY	N281654.04	W0804733.82	N2816.901	W08047.564
	DEARY	N280602.53	W0805451.40	N2806.042	W08054.857
	KYTEE	N284028.76	W0805405.28	N2840.479	W08054.088
	LILAZ	N282421.41	W0804741.50	N2824.357	W08047.692
	YERRU	N283252.55	W0804750.28	N2832.876	W08047.838
	RW36	N283016.16	W0804747.59	N2830.269	W08047.793

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW36	00034	58

CITY AND STATE TITUSVILLE, FL	ELEVATION: 34 TDZE: 34	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 22 OCT 2009	SUP:
	AIRPORT NAME: SPACE COAST REGIONAL			AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE 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.																																
TERMINAL ROUTES				MISSED APPROACH																																
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.12 MILES AFTER DEJAA INT/6.60 DME/RADAR OR AT I-BRU 2.48 DME FIX CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3500 VIA ATL VORTAC R-360 TO TROYS INT/ATL 15.00 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3500 DIRECT PDK VOR/DME AND HOLD N, LT, 180.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD N, RT, 180.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N PDK VOR/DME, LT, 180.00 INBOUND. CHART FAS OBST: 1130 TOWER 333845N/0842100W CHART LOC RWY 27L. CHART LOC RWY 27R. CHART LOC RWY 28. CHART IN PLANVIEW: PDK VOR/DME. CHART: REDAN LOM SUBDUED																																
LUVIE INT/I-BRU 20.28 DME/RADAR (IAF)	KINKY INT/I-BRU 14.14 DME/RADAR	271.99 / 6.14 (I-BRU)	5000*																																	
KINKY INT/I-BRU 14.14 DME/RADAR (IF)	PANOL INT/I-BRU 10.37 DME/RADAR	271.99 / 3.77 (I-BRU)	3800*																																	
PANOL INT/I-BRU 10.37 DME/RADAR	DEJAA INT/I-BRU 6.60 DME/RADAR	271.99 / 3.77 (I-BRU)	2600																																	
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT LUVIE 3. FAC: <u>271.99</u> FAF: <u>DEJAA INT/I-BRU 6.60 DME/RADAR</u> DIST FAF TO MAP: <u>4.12</u> THLD: <u>4.81</u> 4. MIN. ALT: <u>LUVIE 5000, KINKY 5000*, PANOL 3800*, DEJAA 2600</u> 5. DIST TO THLD FROM OM: <u>4.81</u> MM: <u>0.50</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1100</u> 6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>DEJAA INT/I-BRU 6.60 DME/RADAR CONT.</u> OM: <u>-</u> MM: <u>1209</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>52.4</u> 8. MSA FROM: <u>ATL VORTAC 3100</u>				MAG VAR: 2W EPOCH YEAR: 1985																																
MINIMUMS																																				
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: STANDARD LOC: STANDARD																															
CATEGORY =====>	<table style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">A</th> <th colspan="3">B</th> <th colspan="3">C</th> <th colspan="3">D</th> <th colspan="3">E</th> </tr> <tr> <th>DH/MDA</th> <th>VIS</th> <th>HAT/HAA</th> <th>DH/MDA</th> <th>VIS</th> <th>HAT/HAA</th> <th>DH/MDA</th> <th>VIS</th> <th>HAT/HAA</th> <th>DH/MDA</th> <th>VIS</th> <th>HAT/HAA</th> <th>DH/MDA</th> <th>VIS</th> <th>HAT/HAA</th> </tr> </table>			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			
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 26L	1280	2400	285	1280	2400	285	1280	2400	285	1280	2400	285	1280	2400	285																					
S-LOC 26L	1380	2400	385	1380	2400	385	1380	2400	385	1380	4000	385	1380	4000	385																					
SIDESTEP 26R	1380	5000	390	1380	5000	390	1380	5000	390	1380	1 1/2	390	1380	1 1/2	390																					

NOTES:
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP RWY 26R CATS A AND B.
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE SIDESTEP RWY 26R CAT E VISIBILITY TO 2.
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 26L ALL CATS VISIBILITY TO RVR 5000 AND S-LOC 26L CAT E VISIBILITY TO RVR 6000.
 SEE 8260-10

CITY AND STATE	ELEVATION: 1026 TDZE: 26L 995	FACILITY IDENTIFIER: I-BRU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: TDZE: 26R 990		ILS OR LOC RWY 26L, AMDT 19B	AMDT: 19A
	HARTSFIELD - JACKSON ATLANTA INTL		22 OCT 2009	DATED 09/28/2006

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

LINE 6 GS ALT AT CONT. 2600

NOTES CONT.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 27L OR 27R OR 28.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT PANOL, 3800; OR KINKY, 5000.

QUALITY
9
CHECKED

CITY AND STATE

ATLANTA, GA

ELEVATION: 1026

AIRPORT NAME:

HARTSFIELD - JACKSON ATLANTA INTL

TDZE: 26L 995

TDZE: 26R 990

FACILITY
IDENTIFIER:

I-BRU

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 26L, AMDT 19B

22 OCT 2009

SUP:

AMDT:

19A

DATED:

09/28/2006

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
SMLTZ INT/I-GXZ 20.27 DME/RADAR (IAF)	FREAL INT/I-GXZ 13.92 DME/RADAR	273.99 / 6.35 (I-GXZ)	5000*	ILS: DA LOC: 5.11 MILES AFTER AJAAY INT/6.70 DME/RADAR OR AT I-GXZ 1.58 DME FIX	
FREAL INT/I-GXZ 13.92 DME/RADAR (IF)	BALLI INT/I-GXZ 10.15 DME/RADAR	273.99 / 3.77 (I-GXZ)	3800*	CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3500 VIA ATL VORTAC R-360 TO TROYS INT/ATL 15.00 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3500 DIRECT PDK VOR/DME AND HOLD N, LT, 180.00 INBOUND.	
BALLI INT/I-GXZ 10.15 DME/RADAR	AJAAY INT/I-GXZ 6.70 DME/RADAR	273.99 / 3.45 (I-GXZ)	2700	ADDITIONAL FLIGHT DATA: HOLD N, RT, 180.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N PDK VOR/DME, LT, 180.00 INBOUND. CHART FAS OBST: 1130 TOWER 333845N/0842100W CHART LOC RWY 27L, RWY 27R, AND RWY 28 CHART VDP AT 2.59 DME; DISTANCE VDP TO THLD 1.01 MILES. CHART IN PLANVIEW: PDK VOR/DME.	
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)					
2. PROFILE STARTS AT SMLTZ INT/I-GXZ 20.27 DME/RADAR					
3. FAC: 273.99 FAF: AJAAY INT/I-GXZ 6.70 DME/RADAR DIST FAF TO MAP: 5.11 THLD: 5.11					
4. MIN. ALT: SMLTZ 5000, FREAL 5000*, BALLI 3800*, AJAAY 2700					
5. DIST TO THLD FROM OM: 5.11 MM: 0.52 IM: - 150 HAT: - 100 HAT: 801 GS ANT: 1149					
6. MIN GS INCPT: 2700 GS ALT AT: AJAAY INT/I-GXZ 6.70 DME/RADAR CONT. OM: - MM: 1213 IM: -					
7. GS ANGLE: 3.00 TCH: 58.0					
8. MSA FROM: ATL VORTAC 3100				MAG VAR: 4W EPOCH YEAR: 2010	

MINIMUMS

TAKEOFF:		STANDARD	X	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 26R		1190	1800	200	1190	1800	200	1190	1800	200	1190	1800	200			
S-LOC 26R		1380	2400	390	1380	2400	390	1380	2400	390	1380	4000	390			
SIDESTEP 26L		1380	6000	385	1380	6000	385	1380	6000	385	1380	1 3/4	385			

NOTES:

CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 26R: DA 1090 MSL, 105

RA, RVR 1200, HAT 100; CAT A, B, C, D.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP RWY 26L CATS A AND B.

CHART NOTE: PROCEDURE DOES NOT MEET ICAO STANDARD FOR ALSF/TDZ/CL LIGHTING SYSTEMS. AUTHORIZATION

SEE 8260-10

CITY AND STATE ATLANTA, GA	ELEVATION: 1026 TDZE: 26R 990 AIRPORT NAME: TDZE: 26L 995 HARTSFIELD - JACKSON ATLANTA INTL	FACILITY IDENTIFIER: I-GXZ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 26R, AMDT 5 ILS RWY 26R (CAT II) 22 OCT 2009	SUP: AMDT: 4A DATED 09/28/2006

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

LINE 6 GS ALT AT CONT. 2700

NOTES CONT.

TO CONDUCT THIS APPROACH REQUIRES SPECIFIC OPSSPEC APPROVAL OR LOA FOR THIS RUNWAY.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 27L OR 27R OR 28, OR RWYS 27R AND 28.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3800 OR 5000.

QUALITY
2
CHECKED

CITY AND STATE

ATLANTA, GA

ELEVATION: 1026 TDZE: 26R 990
AIRPORT NAME: TDZE: 26L 995

HARTSFIELD - JACKSON ATLANTA INTL

FACILITY
IDENTIFIER:
I-GXZ

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 26R, AMDT 5
ILS RWY 26R (CAT II)

22 OCT 2009

SUP:

AMDT: 4A

DATED: 09/28/2006

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS PRM - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA
LUVIE INT/I-BRU ILS 20.28 DME/RADAR (IAF)	KINKY INT/I-BRU ILS 14.14 DME/RADAR	271.99 / 6.14 (I-BRU)	5000*	CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3500 VIA ATL VORTAC R-360 TO TROYS INT/ATL 15.00 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3500 DIRECT PDK VOR/DME AND HOLD N, LT, 180.00 INBOUND.
KINKY INT/I-BRU ILS 14.14 DME/RADAR (IF)	PANOL INT/I-BRU ILS 10.37 DME/RADAR	271.99 / 3.77 (I-BRU)	3800*	
PANOL INT/I-BRU ILS 10.37 DME/RADAR	DEJAA/I-BRU ILS 6.60 DME/RADAR	271.99 / 3.77 (I-BRU)	2600	
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 180.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N PDK VOR/DME, LT, 180.00 INBOUND. CHART IN PLANVIEW: PDK VOR/DME. CHART: LOC RWY 27L, 27R, 28.

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT LUVIE
3. FAC: 271.99 FAF: DIST FAF TO MAP: THLD:
4. MIN. ALT: LUVIE 5000, KINKY 5000*, PANOL 3800*, DEJAA 2600
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 1100
6. MIN GS INCPT: 2600 GS ALT AT: DEJAA/I-BRU ILS 6.60 DME/RADAR CONT. OM: MM: 1209 IM:
7. GS ANGLE: 3.00 TCH: 52.4
8. MSA FROM: ATL VORTAC 3100

MAG VAR: 2W

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A		ILS: 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 26L	1280	2400	285	1280	2400	285	1280	2400	285	1280	2400	285	1280	2400	285
														</	

NOTES:
CHART NOTES: SIMULTANEOUS CLOSE PARALLEL APPROACH AUTHORIZED WITH ILS PRM RUNWAY 27L OR 27R AND 28. PROCEDURE NOT AUTHORIZED WHEN GLIDESLOPE NOT AVAILABLE. DUAL VHF COMM REQUIRED. SEE ADDITIONAL REQUIREMENTS ON AAUP.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-ILS 26L VISIBILITY ALL CATS TO RVR 5000.
SEE 8260-10

CITY AND STATE ATLANTA, GA	ELEVATION: 1026 TDZE: 995 AIRPORT NAME: HARTSFIELD - JACKSON ATLANTA INTL	FACILITY IDENTIFIER: I-BRU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS PRM RWY 26L, ORIG-A (SIMULTANEOUS CLOSE PARALLEL) 22 OCT 2009	SUP: AMDT: ORIG DATED 01/18/2007

ILS PRM - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

LINE 6 GS ALT AT CONT. 2600

NOTES CONT.

CHART PLANVIEW NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT PANOL, 3800; OR KINKY, 5000.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

*CHART PROFILE NOTE: WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT PANOL, 3800; OR KINKY, 5000.

QUALITY
CHECKED

CITY AND STATE

ATLANTA, GA

ELEVATION: 1026 TDZE: 995
AIRPORT NAME:

HARTSFIELD - JACKSON ATLANTA INTL

FACILITY
IDENTIFIER:

I-BRU

PROCEDURE NO / AMDT NO / EFFECTIVE DATE:

ILS PRM RWY 26L, ORIG-A
(SIMULTANEOUS CLOSE PARALLEL)

22 OCT 2009

SUP:

AMDT: ORIG

DATED: 01/18/2007

U.S. 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				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: AT THE DH. CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3500 VIA ATL VORTAC R-360 TO TROYS INT/ATL 15.00 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3500 DIRECT PDK VOR/DME AND HOLD N, LT, 180.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD N, RT, 180.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N PDK VOR/DME, LT, 180.00 INBOUND. CHART IN PLANVIEW: PDK VOR/DME. CHART LOC RWY 27L, RWY 27R, AND RWY 28											
SMLTZ INT/I-GXZ 20.27 DME/RADAR (IAF)	FREAL INT/I-GXZ 13.92 DME/RADAR	273.99/6.35 (I-GXZ)	5000*												
FREAL INT (IF)	BALLI INT/I-GXZ 10.15 DME/RADAR	273.99/3.77 (I-GXZ)	3800*												
BALLI INT	AJAAY INT/I-GXZ 6.70 DME/RADAR	273.99/3.45 (I-GXZ)	2700												
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT SMLTZ INT 3. FAC: <u>273.99</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: SMLTZ 5000, FREAL 5000*, BALLI 3800*, AJAAY 2700 5. DIST TO THLD FROM OM: <u>5.11</u> MM: <u>0.52</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: 801 GS ANT: 1149 6. MIN GS INCPT: <u>2700</u> GS ALT AT: AJAAY INT 2700 OM: _____ MM: <u>1213</u> IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>58.0</u> 8. MSA FROM: ATL VORTAC 3100				MAG VAR: 4W EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A	ILS: 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 26R	1190	1800	200	1190	1800	200	1190	1800	200	1190	1800	200			
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 26R DA: 1090 MSL, 105 RA, RVR 1200, HAT 100; CAT A, B, C, D. CHART NOTES: SIMULTANEOUS CLOSE PARRALLEL APPROACH AUTHORIZED WITH ILS PRM RUNWAY 27L OR 27R AND 28. SEE 8260-10															
CITY AND STATE		ELEVATION: 1026 TDZE: 990		FACILITY IDENTIFIER: I-GXZ		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS PRM RWY 26R, AMDT 1, ILS PRM RWY 26R (CAT II) (SIMULTANEOUS CLOSE PARALLEL) 22 OCT 2009				SUP: AMDT: ORIG DATE 18 JAN 2007					
ATLANTA, GA		HARTSFIELD - JACKSON ATLANTA INTL													

 QUALITY
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES 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.

PROCEDURE NO./AMDT NO./EFFECTIVE DATE (CONT):

** ILS PRM RWY 26R (CAT II)
(SIMULTANEOUS CLOSE PARALLEL)

NOTES (CONT):

PROCEDURE NOT AUTHORIZED WHEN GLIDESLOPE NOT AVAILABLE. DUAL VHF COMM REQUIRED. SEE ADDITIONAL REQUIREMENTS ON AAUP. PROCEDURE DOES NOT MEET ICAO STANDARD FOR ALSF/TDZ/CL LIGHTING SYSTEMS. AUTHORIZATION TO CONDUCT THIS APPROACH REQUIRES SPECIFIC OPSSPEC APPROVAL OR LOA FOR THIS RUNWAY.

CHART PLANVIEW NOTES: RADAR REQUIRED.

CHART PROFILE NOTES: VGSI AND ILS GLIDEPATH NOT COINCIDENT. *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3800 OR 5000.

CITY AND STATE

ATLANTA, GA

ELEVATION: 1026 TDZE: 990

AIRPORT NAME:

HARTSFIELD - JACKSON ATLANTA INTL

FACILITY
IDENTIFIER:

I-GXZ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

ILS PRM RWY 26R, AMDT 1, ILS PRM RWY 26R (CAT
II) (SIMULTANEOUS CLOSE PARALLEL)

22 OCT 2009 **

SUP:

AMDT: ORIG

DATED: 18 JAN 2007

QUALITY
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - 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.				
TERMINAL ROUTES					MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: 3.88 MILES AFTER EQQ NDB CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 2500 DIRECT EQQ NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, LT, 322.46 INBOUND. CHART FAS OBST: 1054 POWER POLE 331605N/0844401W CHART 1104 PWR LINE 331548N/0844345W. EQQ NDB TO RW32: 3.47/40.					
TIROE INT	EQQ NDB	114.14 / 8.24	2500						
1. PT <u>L</u> SIDE OF COURSE <u>142.46</u> OUTBOUND <u>2500</u> FT WITHIN <u>10</u> MILES OF <u>EQQ NDB</u> (IAF) 2. _____ 3. FAC <u>322.46</u> FAF <u>EQQ NDB</u> DIST FAF TO MAP <u>3.88</u> THLD <u>3.88</u> 4. MIN. ALT <u>EQQ NDB 2400</u> 8. MSA FROM: <u>EQQ NDB 3500</u>					MAG VAR: <u>3W</u> EPOCH YEAR: <u>2000</u>				
MINIMUMS									
TAKEOFF:	STANDARD	☒	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
S-32	1320	1	368	1320	1	368	1320	1	368
CIRCLING	1420	1	450	1420	1	450	1420	1 1/2	450
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-32 CATS A, B, AND C. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-32 CAT D VISIBILITY TO 1 1/4 MILES. CHART NOTE: ADF REQUIRED. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10									
CITY AND STATE		ELEVATION: 970 TDZE: 952		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP	
ATLANTA, GA		AIRPORT NAME:		I-CCO		LOC RWY 32, AMDT 2		AMDT 1A	
		NEWNAN COWETA COUNTY				22 OCT 2009		DATE 02/15/2007	

LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - 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.

NOTES CONT.

CHART PLANVIEW NOTE: ADF REQUIRED.

CHART PROFILE NOTE: VGSi AND DESCENT ANGLES NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PEACHTREE CITY-FALCON FIELD ALTIMETER SETTING AND INCREASE ALL MDA 60 FT.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO CATS A AND B WHEN USING PEACHTREE CITY-FALCON FIELD ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING PEACHTREE CITY-FALCON FIELD ALTIMETER SETTING, INCREASE S-32 CAT C VISIBILITY TO 1 1/4 MILE.

CITY AND STATE
ATLANTA, GAELEVATION: 970 TDZE: 952
AIRPORT NAME:
NEWNAN COWETA COUNTYFACILITY
IDENTIFIER:
I-CCOPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
LOC RWY 32, AMDT 2
22 OCT 2009

SUP:

AMDT: 1A

DATED: 02/15/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
FAVBA (IAF)	DECEG (NOPT) (FB)	232.41 / 5.00	3500	LPV: DA LNAV/VNAV: DA LNAV: RW14 CLIMB TO 3500 DIRECT KACEL AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 322.54 INBOUND. CHART FAS OBST: 1119 TREE 331920N/0844638W DISTANCE TO THLD FROM 330 HAT: 0.86 NM. WAAS CHANNEL # 70515 REFERENCE PATH ID: W14A
CILUG (IAF)	DECEG (NOPT) (FB)	052.33 / 5.00	3500	
DECEG (IF/IAF)	GEDBE (FB)	142.37 / 7.12	2600	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. HOLD NW DECEG, RT, 142.37 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
 3. FAC: 142.43 FAF: GEDBE DIST FAF TO MAP: 4.88 THLD: 4.88
 4. MIN. ALT: DECEG 3500, GEDBE 2600, HANIP/1.90 NM TO RW14 1620*
 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
 6. MIN GS INCPT: 2600 GS ALT AT: GEDBE OM: MM: IM:
 7. GS ANGLE: 3.00 TCH: 56.0 34:1 IS NOT CLEAR
 8. MSA FROM:

MAG VAR: 3W

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	STANDARD	X	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	1300	1	330	1300	1	330	1300	1	330	1300	1	330				
LNAV/VNAV DA	1389	1 1/2	419	1389	1 1/2	419	1389	1 1/2	419	1389	1 1/2	419				
LNAV MDA	1380	1	410	1380	1	410	1380	1 1/4	410	1380	1 1/4	410				
CIRCLING	1420	1	450	1420	1	450	1420	1 1/2	450	1520	2	550				

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING PEACHTREE CITY-FALCON FIELD ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE ATLANTA, GA	ELEVATION: 970 TDZE: 970 AIRPORT NAME: NEWMAN COWETA COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 22 OCT 2009	SUP:
				AMDT: ORIG-A
				DATED 02/15/2007

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PEACHTREE CITY-FALCON FIELD ALTIMETER SETTING AND INCREASE ALL DA 47 FEET AND ALL MDA 60 FEET, AND INCREASE LPV ALL CATS AND LNAV CAT D VISIBILITIES 1/4 MILE.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

TAA

	FROM	TO	ALT
1.	052/30 CW 232/30 (NOPT)	DECEG (IF/IAF) (FB)	3500
2.	232/30 CW 322/30	FAVBA (IAF) (FB)	3500
3.	322/30 CW 052/30	CILUG (IAF) (FB)	3500

CITY AND STATE

ATLANTA, GA

ELEVATION: 970

TDZE: 970

AIRPORT NAME:

NEWNAN COWETA COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, AMDT 1

22 OCT 2009

SUP:

AMDT: ORIG-A

DATED: 02/15/2007

**RNAV (GPS) 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 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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCCO
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	331902.3100N
LTP/FTP LONGITUDE	0844632.1810W
LTP/FTP ELLIPSOIDAL HEIGHT	+02667
FPAP LATITUDE	331754.4600N
FPAP LONGITUDE	0844523.0900W
THRESHOLD CROSSING HEIGHT (TCH)	00056.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

<u>CRC REMAINDER</u>	737D05E1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02957
FPAP ORTHOMETRIC HEIGHT	+02957

CITY AND STATE ATLANTA, GA	ELEVATION: 970 TDZE: 970 AIRPORT NAME: NEWNAN COWETA COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 22 OCT 2009	SUP:
				AMDT: ORIG-A
				DATED: 02/15/2007

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.

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KCCOK7FR14	ACILUG	010CILUGK7EA0E	A	IF						18000		A	JS
SUSAP KCCOK7FR14	ACILUG	020DECEGK7EA0EE		010TF		05230050		+ 03500				A	JS
SUSAP KCCOK7FR14	ADECEG	010DECEGK7EA0EE	AR	HF		14240040		+ 03500		18000		A	JS
SUSAP KCCOK7FR14	FAVBA	010FAVBAK7EA0E	A	JF						18000		A	JS
SUSAP KCCOK7FR14	FAVBA	020DECEGK7EA0EE		010TF		23240050		+ 03500				A	JS
SUSAP KCCOK7FR14	R	010DECEGK7EA0E	I	IF				+ 03500		18000		A	JS
SUSAP KCCOK7FR14	R	020GEDBEK7EA1E	F	051TF		14240071		+ 02600				A	JS
SUSAP KCCOK7FR14	R	020GEDBEK7EA2WALPV			ALNAV/VNAV								JS
SUSAP KCCOK7FR14	R	021HANIPK7EA0E	S	031TF		14240030		V 0162001635		-300		A	JS
SUSAP KCCOK7FR14	R	030RW14	K7PG0GY	M	031TF	14240019		01026		-300		A	JS
SUSAP KCCOK7FR14	R	040KACELK7EA0EYM		010DF				+ 03500				A	JS
SUSAP KCCOK7FR14	R	050KACELK7EA0EE		R020HM		32250040		+ 03500				A	JS

[illegible]

CITY AND STATE ATLANTA, GA	ELEVATION: 970 TDZE: 970 AIRPORT NAME: NEWNAN COWETA COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 22 OCT 2009	SUP:
				AMDT: ORIG-A
				DATED: 02/15/2007

**RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

SUSAP KCCOK7PR14 RW14 001 0000W14A0N3319023100W08446321810+026670300N3317544600W08445230900106751072000560W400500737D05E1

SUSAP KCCOK7PR14 RW14 002E +02957+02957LPV 70515

CITY AND STATE
ATLANTA, GA

ELEVATION: 970 TDZE: 970
AIRPORT NAME:
NEWNAN COWETA COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, AMDT 1
22 OCT 2009

SUP:	
AMDT:	ORIG-A
DATED:	02/15/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-15 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CILUG	CILUG	010	IAP	IF		FB				
	CILUG	DECEG	020		TF		FB	1.0	052.3 (049T)	005.0	03500
	DECEG	DECEG	010	IAP	HF	R	FO		142.4 (139T)	004.0	03500
	FAVBA	FAVBA	010	IAP	IF		FB				
	FAVBA	DECEG	020		TF		FB	1.0	232.4 (229T)	005.0	03500
		DECEG	010	PACF	IF		FB				03500
		GEDBE	020	PAF	TF		FB	0.5	142.4 (139T)	007.1	02600
		HANIP	021	SDF	TF		FB	0.3	142.4 (139T)	003.0	0162001635
		RW14	030	MAP	TF		FO	0.3	142.4 (139T)	001.9	01026

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KACEL	040		DF		FO	1.0			03500
	KACEL	050		HM	R	FO	2.0	322.5 (320T)	004.0	03500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CILUG	N332454.35	W0850023.62	N3324.906	W08500.394
	DECEG	N332810.15	W0845551.62	N3328.169	W08455.860
	FAVBA	N333125.78	W0845119.28	N3331.430	W08451.321
	GEDBE	N332245.00	W0845019.26	N3322.750	W08450.321
	HANIP	N332029.10	W0844800.63	N3320.485	W08448.011
	KACEL	N330958.14	W0843719.02	N3309.969	W08437.317
	RW14	N331902.31	W0844632.18	N3319.039	W08446.536

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW14	00970		56

CITY AND STATE
ATLANTA, GAELEVATION: 970 TDZE: 970
AIRPORT NAME:
NEWNAN COWETA COUNTYFACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, AMDT 1
22 OCT 2009SUP:
AMDT: ORIG-A
DATED: 02/15/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
ODUSE (IAF)	KACEL (NOPT) (FB)	052.50 / 5.00	3500	LPV: DA LNAV/VNAV: DA LNAV: RW32 CLIMB TO 3500 DIRECT DECEG AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 142.37 INBOUND. CHART FAS OBST: 1104 PWR LINE TWR 331548N/0844345W CHART FAS OBST: 1016 TREE 331813N/0844557W DISTANCE TO THLD FROM 290 HAT: 0.86 NM. WAAS CHANNEL # 77528 REFERENCE PATH ID: W32A											
WEVOS (IAF)	KACEL (NOPT) (FB)	232.58 / 5.00	3500												
KACEL (IF/IAF)	SECOD (FB)	322.54 / 6.25	2500												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE KACEL, RT, 322.54 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: 322.49 FAF: SECOD DIST FAF TO MAP: 4.75 THLD: 4.75 4. MIN. ALT: KACEL 3500, SECOD 2500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: SECOD OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: _____				MAG VAR: 3W EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF: _____	STANDARD	X	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	1242	1	290	1242	1	290	1242	1	290	1242	1	290			
LNAV/VNAV DA	1286	1	334	1286	1	334	1286	1	334	1286	1	334			
LNAV MDA	1360	1	408	1360	1	408	1360	1	408	1360	1	408			
CIRCLING	1420	1	450	1420	1	450	1420	1 1/2	450	1520	2	550			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING PEACHTREE CITY-FALCON FIELD ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 970 TDZE: 952		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
ATLANTA, GA		AIRPORT NAME:				RNAV (GPS) RWY 32, AMDT 2				AMDT: 1A					
		NEWNAN COWETA COUNTY				22 OCT 2009				DATED		12/22/2006			

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PEACHTREE CITY-FALCON FIELD ALTIMETER SETTING AND INCREASE ALL DA 47 FEET AND ALL MDA 60 FEET.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CATS A AND B.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CATS A AND B WHEN USING PEACHTREE CITY-FALCON FIELD ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C AND D VISIBILITIES TO 1 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING PEACHTREE CITY-FALCON FIELD ALTIMETER SETTING, INCREASE LNAV CAT C VISIBILITY TO 1 1/4 MILE.

TAA

	FROM	TO	ALT
1.	233/30 CW 053/30 (NOPT)	KACEL (IF/IAF) (FB)	3500
2.	053/30 CW 143/30	ODUSE (IAF) (FB)	3500
3.	143/30 CW 233/30	WEVOS (IAF) (FB)	3500

CITY AND STATE

ATLANTA, GA

ELEVATION: 970 TDZE: 952

AIRPORT NAME:

NEWNAN COWETA COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 2

22 OCT 2009

SUP:

AMDT: 1A

DATED: 12/22/2006

**RNAV (GPS) 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 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	KCCO
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	331820.9620N
LTP/FTP LONGITUDE	0844550.0580W
LTP/FTP ELLIPSOIDAL HEIGHT	+02541
FPAP LATITUDE	331928.7900N
FPAP LONGITUDE	0844659.1800W
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	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

40BC0F2A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02831
FPAP ORTHOMETRIC HEIGHT	+02831

CITY AND STATE

ATLANTA, GA

ELEVATION: 970 TDZE: 952

AIRPORT NAME:

NEWNAN COWETA COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 2

22 OCT 2009

SUP:

AMDT:

1A

DATED:

12/22/2006

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.

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KCCOK7FR32	AKACEL	010KACELK7EA0EE	AR	HP			32250040	+	03500	19000		A	JS
SUSAP KCCOK7FR32	AODUSE	0100DUSEK7EA0E	A	IF						18000		A	JS
SUSAP KCCOK7FR32	AODUSE	020KACELK7EA0EE	010TF				05250050	+	03500			A	JS
SUSAP KCCOK7FR32	AWEVOS	010WEVOSK7EA0E	A	IF						18000		A	JS
SUSAP KCCOK7FR32	AWEVOS	020KACELK7EA0EE	010TF				23260050	+	03500			A	JS
SUSAP KCCOK7FR32	R	010KACELK7EA0E	I	IF						18000		A	JS
SUSAP KCCOK7FR32	R	020SECODK7EA1E	F	051TF			32250063	+	02500			A	JS
SUSAP KCCOK7FR32	R	020SECODK7EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KCCOK7FR32	R	030RW32 K7PG0GY	M	031TF			32250048		00969	-300		A	JS
SUSAP KCCOK7FR32	R	040DECEGK7EA0EYM	010DF					+	03500			A	JS
SUSAP KCCOK7FR32	R	050DECEGK7EA0EE	R02CHM				14240040	+	03500			A	JS

[illegible]

CITY AND STATE ATLANTA, GA	ELEVATION: 970 TDZE: 952 AIRPORT NAME: NEWNAN COWETA COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 2 22 OCT 2009	SUP:
				AMDT: 1A
				DATED: 12/22/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KACEL	KACEL	010	IAF	HF	R	FO		322.5 (320T)	004.0	03500
	ODUSE	ODUSE	010	IAF	IF		FB				
	ODUSE	KACEL	020		TF		FB	1.0	052.5 (050T)	005.0	03500
	WEVOS	WEVOS	010	IAF	IF		FB				
	WEVOS	KACEL	020		TF		FB	1.0	232.6 (230T)	005.0	03500
		KACEL	010	FACF	IF		FB				03500
		SECOD	020	PAF	TF		FB	0.5	322.5 (320T)	006.3	02500
		RW32	030	MAP	TF		FO	0.3	322.5 (320T)	004.8	00969

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DECEG	040		DF		FO	1.0			03500
	DECEG	050		HM	R	FO	2.0	142.4 (139T)	004.0	03500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DECEG	N332810.15	W0845551.62	N3328.169	W08455.860
	KACEL	N330958.14	W0843719.02	N3309.969	W08437.317
	ODUSE	N330643.01	W0844150.77	N3306.717	W08441.846
	SECOD	N331444.12	W0844209.40	N3314.735	W08442.157
	WEVOS	N331313.10	W0843246.93	N3313.218	W08432.782
	RW32	N331820.96	W0844550.06	N3318.349	W08445.834

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
	RW32	00929 40

CITY AND STATE
ATLANTA, GA

ELEVATION: 970 TDZE: 952
 AIRPORT NAME:
 NEWNAN COWETA COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 32, AMDT 2
 22 OCT 2009

SUP:
 AMDT: 1A
 DATED: 12/22/2006

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
SSI VORTAC	YOKHO INT	332.43 / 11.87	1700	ILS: DA LOC: 5.03 MILES AFTER YOKHO INT	
BERTT INT (IF/IAF)	YOKHO INT (NOPT)	069.35 / 7.46 (I-BQK)	1700	CLIMB TO 3000 VIA HEADING 069.35 AND VIA SSI VORTAC R-018 TO BROWN/SSI 25.31 DME AND HOLD.	
				ADDITIONAL FLIGHT DATA: HOLD S, RT, 018.33 INBOUND. CHART FAS OBST: 140 SIGN 311440N/0813013W CHART SSI VORTAC 11.87 DME AT YOKHO INT IN PLANVIEW	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD W YOKHO, LT, 069.35 INBOUND, 1700 FT. IN LIEU OF PT (IAF)
- FAC: 069.35 FAF: YOKHO INT DIST FAF TO MAP: 5.03 THLD: 5.03
- MIN. ALT: BERTT 1700, YOKHO 1700
- DIST TO THLD FROM OM: - MM: 0.45 IM: - 150 HAT: - 100 HAT: - GS ANT: 1050
- MIN GS INCPT: 1700 GS ALT AT: YOKHO INT 1700 OM: - MM: 222 IM: -
- GS ANGLE: 3.00 TCH: 57.7
- MSA FROM: SSI VORTAC 2700

MAG VAR: 4W EPOCH YEAR: 1985

MINIMUMS															
TAKEOFF:	STANDARD	X	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 7	226	1/2	200	226	1/2	200	226	1/2	200	226	1/2	200			
S-LOC 7	400	1/2	374	400	1/2	374	400	1/2	374	400	3/4	374			
CIRCLING	540	1	514	540	1	514	540	1 1/2	514	580	2	554			

NOTES:
 CHART NOTE: DME REQUIRED.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BERTT INT VIA V362 NORTHWEST BOUND.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MALCOLM MCKINNON ALTIMETER SETTING AND INCREASE ALL DA 19 FEET AND ALL MDA 20 FEET.
 # @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE BRUNSWICK, GA	ELEVATION: 26 TDZE: 26 AIRPORT NAME: BRUNSWICK GOLDEN ISLES	FACILITY IDENTIFIER: I-BQK	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 7, AMDT 10 22 OCT 2009	SUP: AMDT: 9 DATED 05/10/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
VNA VORTAC	HUMDA (FB)	082.71 / 20.96	2100	LNAV: RW29 CLIMB TO 2100 DIRECT ELTEW AND LEFT TURN VIA TRACK 215.88 TO VNA VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 090.00 INBOUND. CHART FAS OBST: 499 TREE 322308N/083111W TIZRA TO RW29: 3.04/40
DBN VORTAC	RELCY (FB)	238.18 / 13.21	2100	
RELCY (IAF)	POSEC (NOPT) (FB)	197.17 / 5.00	2100	
HUMDA (IAF)	POSEC (NOPT) (FB)	017.15 / 5.00	2100	
POSEC (IF/IAF)	TIZRA (FB)	287.16 / 6.04	1900	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E POSEC, RT, 287.16 INBOUND, 2100 FT. IN LIEU OF PT (IAF)
- FAC: 287.10 FAF: TIZRA DIST FAF TO MAP: 4.73 THLD: 4.73
- MIN. ALT: POSEC 2100, TIZRA 1900
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW29 2600

MAG VAR: 3W

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:	☐	STANDARD	☒	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		800	1	442	800	1	442	800	1 1/4	442		NA				
CIRCLING		880	1	503	900	1	523	900	1 1/2	523		NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: USE DUBLIN ALTIMETER SETTING; WHEN NOT RECEIVED, USE MIDDLE GEORGIA RGNL ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.

CITY AND STATE COCHRAN, GA	ELEVATION: 377 TDZE: 358 AIRPORT NAME: COCHRAN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 22 OCT 2009	SUP:
				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.

[illegible]

QUALITY
CHECKED

CITY AND STATE COCHRAN, GA	ELEVATION: 377 TDZE: 358 AIRPORT NAME: COCHRAN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 22 OCT 2009	SUP:
				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.

[illegible]

QUALITY
CHECKS

CITY AND STATE COCHRAN, GA	ELEVATION: 377 TDZE: 358 AIRPORT NAME: COCHRAN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DBN	DBN	010		IF		FB				
	DBN	RELCY	020	IAP	TF		FB	2.0	238.2 (235T)	013.2	02100
	DBN	POSEC	030		TF		FB	1.0	197.2 (194T)	005.0	02100
	POSEC	POSEC	010	IAP	HF	R	FO		287.2 (284T)	004.0	02100
	VNA	VNA	010		IF		FB				
	VNA	HUMDA	020	IAP	TF		FB	2.0	082.7 (080T)	021.0	02100
	VNA	POSEC	030		TF		FB	1.0	017.2 (014T)	005.0	02100
		POSEC	010	FACF	IF		FB				02100
		TIZRA	020	FAF	TF		FB	0.5	287.2 (284T)	006.0	01900
		RW29	030	MAP	TF		FO	0.3	287.1 (284T)	004.7	00374

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ELTEW	040		DF		FB	1.0			
	VNA	050		TF		FO	1.0	215.9 (213T)		02100
	VNA	060		HM	L	FO	2.0	090.0 (087T)	004.0	02100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DBN	N323348.37	W0824948.04	N3233.806	W08249.801
	VNA	N321248.39	W0832950.12	N3212.807	W08329.835
	ELTEW	N322454.43	W0832038.20	N3224.907	W08320.637
	HUMDA	N321631.21	W0830530.39	N3216.520	W08305.507
	POSEC	N322122.70	W0830403.83	N3221.378	W08304.064
	RELCY	N322614.17	W0830237.11	N3226.236	W08302.619
	TIZRA	N322251.33	W0831058.69	N3222.856	W08310.978
	RW29	N322400.50	W0831623.88	N3224.008	W08316.398

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW29	00334	40

QUALITY
1
08/10/09

CITY AND STATE
COCHRAN, GA

ELEVATION: 377 TDZE: 358
 AIRPORT NAME:
 COCHRAN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 29, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 5, 11, 29 STANDARD.

RWY 23, 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 316 FEET PER NM TO 700.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 5 - CLIMB HEADING 049.13 TO 1700 BEFORE TURNING LEFT.

RWY 11 - CLIMB HEADING 107.05 TO 1200 BEFORE TURNING LEFT.

RWY 23 - CLIMB HEADING 229.14 TO 900 BEFORE PROCEEDING ON COURSE.

RWY 29 - CLIMB HEADING 287.05 TO 900 BEFORE TURNING RIGHT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5, TREES BEGINNING 10' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/419' MSL.

NOTE: RWY 11, MOBILE SPRINKLERS, 166' FROM DER, 331' RIGHT OF CENTERLINE, UP TO 24' AGL/345' MSL. TREES BEGINNING 979' FROM DER, 753' LEFT OF CENTERLINE, UP TO 100' AGL/409' MSL. TREES BEGINNING 1118' FROM DER, 678' RIGHT OF CENTERLINE, UP TO 100' AGL/395' MSL.

NOTE: RWY 23, ROAD BEGINNING 196' FROM DER, 541' LEFT OF CENTERLINE, 15' AGL/344' MSL. TREES BEGINNING 746' FROM DER, 302' LEFT OF CENTERLINE, UP TO 100' AGL/499' MSL. TREES BEGINNING 1,061' FROM DER, 473' RIGHT OF CENTERLINE, UP TO 100' AGL/539' MSL. (CONT'D)

(4) CONTROLLING OBSTACLES:

RWY 5 - 1,550 MSL TOWER, 322811.62N/0831516.58W

RWY 11 - 1,550 MSL TOWER, 322811.62N/0831516.58W

RWY 23 - 479 MSL TREE, 322314.12N/0831713.11W; 1,550 MSL TOWER, 322811.62N/0831516.58W

RWY 29 - 1,550 MSL TOWER, 322811.62N/0831516.58W

(5) City, State

COCHRAN, GA

(6) Airport

COCHRAN

(7) Effective Date

22 OCT 2009

(8) Amdt. No.

2

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL...
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elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in
statute miles or in feet RVR.

(3) TAKEOFF OBSTACLE NOTES: (CONT'D)

NOTE: RWY 29, GROUND AND TREES BEGINNING 42' FROM DER, 480' RIGHT OF CENTERLINE, UP TO 100' AGL/464' MSL. TREES BEGINNING 212' FROM DER, 367' LEFT OF
CENTERLINE, UP TO 100' AGL/442' MSL.

City, State COCHRAN, GA	Airport COCHRAN	Effective Date 22 OCT 2009	Amdt. No. 2		
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD W VNA VORTAC, LT, 079.00 INBOUND, 2100 FT. IN LIEU OF PT (IAF)				
3. FAC	044.24	FAF SAHPS/11.00 DME	DIST FAF TO MAP		THLD 4.57
4. MIN. ALT	SAHPS 1800				
8. MSA FROM: VNA VORTAC 2600					

EPOCH YEAR:1965

TAKEOFF:		STANDARD	X	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-5	900	1	564	900	1	564	900	1 1/2	564		NA								
CIRCLING	900	1	523	900	1	523	900	1 1/2	523		NA								

CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON VNA VORTAC AIRWAY RADIALS 138 CW 299.
CHART NOTE: USE DUBLIN ALTIMETER SETTING; WHEN NOT RECEIVED, USE MIDDLE GEORGIA RGNL ALTIMETER
SETTING AND INCREASE ALL MDA 20 FEET.

FAA FORM 8260-5 / December 2002 (computer generated)

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES								MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW17 CLIMB TO 2500 DIRECT KEKTE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 166.00 INBOUND. CHART FAS OBST: 1015 TREE 341046N/0833350W CHART 1079 TREE 341541N/0833443W. DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 0.93 MILES TO RW17* *LNAV ONLY. WAAS CHANNEL # 78404 REFERENCE PATH ID: W17A							
CORCE (IAF)		MIJLO (FB)		226.74 / 6.19		3500									
MIJLO (IF)		KUKRE (FB)		168.35 / 6.87		2800									
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT MIJLO 3. FAC: <u>168.37</u> FAF: <u>KUKRE</u> DIST FAF TO MAP: <u>5.62</u> THLD: <u>5.62</u> 4. MIN. ALT: <u>MIJLO 3500, KUKRE 2800, KAWAS/2.80 NM TO RW17 1880*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2800</u> GS ALT AT: <u>KUKRE 2800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>51.4</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>RW17 4400</u>								MAG VAR: 5W EPOCH YEAR: 2010							
MINIMUMS															
TAKEOFF:	STANDARD	X	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	1193	1	250	1193	1	250	1193	1	250	1193	1	250			
LNAV/VNAV DA	1228	1	285	1228	1	285	1228	1	285	1228	1	285			
LNAV MDA	1280	1	337	1280	1	337	1280	1	337	1280	1	337			
CIRCLING	1360	1	409	1420	1	469	1420	1 1/2	469	1520	2	569			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING ATHENS/BEN EPPS ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CORCE VIA V5-311-417 EAST BOUND AND V222 SEE 8260-10															
CITY AND STATE				ELEVATION: 951 TDZE: 943		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) RWY 16			
JEFFERSON, GA				AIRPORT NAME: JACKSON COUNTY				RNAV (GPS) RWY 17, AMDT 1				AMDT: ORIG-A			
								22 OCT 2009				DATED 12/20/2007			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

NORTHEAST BOUND.

VDP NA WHEN USING ATHENS/BEN EPPS ALTIMETER SETTING.

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ATHENS/BEN EPPS ALTIMETER SETTING AND INCREASE ALL

DA/MDA 80 FEET. INCREASE LPV AND LNAV/VNAV VISIBILITY 1/4 MILE. INCREASE LNAV CAT C/D

VISIBILITY 1/4 MILE.

CITY AND STATE

JEFFERSON, GA

ELEVATION: 951

TDZE: 943

AIRPORT NAME:

JACKSON COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, AMDT 1

22 OCT 2009

SUP: RNAV (GPS) RWY 16

AMDT: ORIG-A

DATED: 12/20/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER 19A
RUNWAY RW17
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W17A
LTP/FTP LATITUDE 341057.8010N
LTP/FTP LONGITUDE 0833350.6130W
LTP/FTP ELLIPSOIDAL HEIGHT +02543
FPAP LATITUDE 340932.2700N
FPAP LONGITUDE 0833319.9200W
THRESHOLD CROSSING HEIGHT (TCH) 00051.4
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1160
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

7D53C3A5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +02840
FPAP ORTHOMETRIC HEIGHT +02840

QUALITY
5
00000

CITY AND STATE
JEFFERSON, GA

ELEVATION: 951 TDZE: 943
AIRPORT NAME:
JACKSON COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 17, AMDT 1
22 OCT 2009

SUP: RNAV (GPS) RWY 16
AMDT: ORIG-A
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.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 19A K7FR17	ACORCE	010CORCEK7EA0E	A	IF						18000		A	JS
SUSAP 19A K7FR17	ACORCE	020MIJLOK7EA0EE		010TF			22670062		+ 03500			A	JS
SUSAP 19A K7FR17	R	010MIJLOK7EA0E	I	IF					+ 03500	18000		A	JS
SUSAP 19A K7FR17	R	020KUKREK7EA1E	F	051TF			16840069		+ 02800		RW17	K7PGA	JS
SUSAP 19A K7FR17	R	020KUKREK7EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP 19A K7FR17	R	021KAWASK7EA0E	S	031TF			16840028		V 0188001883		-300	A	JS
SUSAP 19A K7FR17	R	030RW17 K7PG0GY	M	031TF			16840028		00983		-300	A	JS
SUSAP 19A K7FR17	R	040KEKTEK7EA0EYM		010DF					+ 02500			A	JS
SUSAP 19A K7FR17	R	050KEKTEK7EA0EE		R020HM			16600040		+ 02500			A	JS

[illegible][illegible]

QUALITY
CHECKED

PAGE 4 OF 6 PAGES

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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

FAA FORM 8260-10 / MARCH 2003 (Computer Generated) PAGE 5 OF 6 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CORCE	CORCE	010	IAF	IF		FB				
	CORCE	MIJLO	020		TF		FB	1.0	226.7 (222T)	006.2	03500
		MIJLO	010	FACF	IF		FB				03500
		KUKRE	020	PAF	TF		FB	0.5	168.4 (163T)	006.9	02800
		KAWAS	021	SDF	TF		FB	0.3	168.4 (163T)	002.8	0188001883
		RW17	030	MAP	TF		FO	0.3	168.4 (163T)	002.8	00983

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KEKTE	040		DF		FO	1.0			02500
	KEKTE	050		HM	R	FO	2.0	166.0 (161T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CORCE	N342734.99	W0833310.59	N3427.583	W08333.177
	KAWAS	N341339.07	W0833448.53	N3413.651	W08334.809
	KEKTE	N335952.07	W0832952.16	N3359.868	W08329.869
	KUKRE	N341621.34	W0833546.87	N3416.356	W08335.781
	MIJLO	N342257.21	W0833809.46	N3422.954	W08338.158
	RW17	N341057.80	W0833350.61	N3410.963	W08333.844

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00932	51

QUALITY
1
CHECKED

CITY AND STATE JEFFERSON, GA	ELEVATION: 951 TDZE: 943	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 22 OCT 2009	SUP: RNAV (GPS) RWY 16
	AIRPORT NAME: JACKSON COUNTY			AMDT: ORIG-A
				DATED: 12/20/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
AHN VORTAC (IAF)	KEKTE (FB)	294.25 / 9.14	2500	LPV: DA LNAV/VNAV: DA LNAV: RW35
KEKTE (IF)	JIRWI (FB)	348.42 / 6.05	2500	
				CLIMB TO 3500 DIRECT MJLO AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD S, RT, 346.00 INBOUND. CHART FAS OBST: 1059 TREE 341004N/0833340W CHART: 1071 TOWER 340730N/0833341W. DISTANCE TO THLD FROM 283 HAT: 0.73 NM. WAAS CHANNEL # 82704 REFERENCE PATH ID: W35A

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT KEKTE
3. FAC: 348.41 FAF: JIRWI DIST FAF TO MAP: 4.65 THLD: 4.65
4. MIN. ALT: KEKTE 2500, JIRWI 2500
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2500 GS ALT AT: JIRWI 2500 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR
8. MSA FROM: RW35 4400

MAG VAR: 5W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	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	1233	1	283	1233	1	283	1233	1	283	1233	1	283				
LNAV/VNAV DA	1329	1 1/4	379	1329	1 1/4	379	1329	1 1/4	379	1329	1 1/4	379				
LNAV MDA	1380	1	430	1380	1	430	1380	1 1/4	430	1380	1 1/2	430				
CIRCLING	1380	1	429	1420	1	469	1420	1 1/2	469	1520	2	569				

NOTES:

CHART NOTE: BARO-VNAV NA WHEN USING ATHENS/BEN EPPS ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 46C (114F).

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

SEE 8260-10

CITY AND STATE JEFFERSON, GA	ELEVATION: 951 TDZE: 950 AIRPORT NAME: JACKSON COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 22 OCT 2009	SUP: RNAV (GPS) RWY 34 AMDT: ORIG-A DATED 12/20/2007

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ATHENS/BEN EPPS ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FEET. INCREASE LPV AND LNAV/VNAV VISIBILITY 1/4 MILE. INCREASE LNAV CAT D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AHN VORTAC ON AIRWAY RADIALS 291 CW 340.

CITY AND STATE
JEFFERSON, GA

ELEVATION: 951 TDZE: 950
AIRPORT NAME:
JACKSON COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, AMDT 1
22 OCT 2009

SUP: RNAV (GPS) RWY 34
AMDT: ORIG-A
DATED: 12/20/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	19A
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	341008.4180N
LTP/FTP LONGITUDE	0833332.8870W
LTP/FTP ELLIPSOIDAL HEIGHT	+02603
FPAP LATITUDE	341133.9500N
FPAP LONGITUDE	0833403.5900W
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	1160
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

1AB929E8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02899
FPAP ORTHOMETRIC HEIGHT	+02899

CITY AND STATE

JEFFERSON, GA

ELEVATION: 951 TDZE: 950

AIRPORT NAME:

JACKSON COUNTY

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, AMDT 1

22 OCT 2009

SUP: RNAV (GPS) RWY 34

AMDT: ORIG-A

DATED: 12/20/2007

**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible]

SUSAD AHN K7010960VTLA N33565130W083192910 N33565130W083192910E0000007901 NARATHENS

[illegible]

SUSAAEENRT	JIRWI K70	W	N34054078W083315693	NAR	JIRWI
SUSAAEENRT	KEKTE K70	W	N33595207W083295216	NAR	KEKTE
SUSAAEENRT	MIJLO K70	W	N34225721W083380946	NAR	MIJLO

[illegible]

SUSAP 19A K7A19A	0	052YHN34103406W083334209W005000951	1800018000C	MNAR	JACKSON COUNTY

[illegible]

SUSAP	19A	K7FR35	AAHN	010AHN K7D 0V A	IF				18000		A JS
SUSAP	19A	K7FR35	AAHN	020KEKTEK7EA0EE	010TF	29430091	+	02500			A JS
SUSAP	19A	K7FR35	R	010KEKTEK7EA0E	I IF			+	02500	18000	A JS
SUSAP	19A	K7FR35	R	020JIRWIK7EA1E	F 051TF	34840061		+	02500		RW35 K7PGA JS
SUSAP	19A	K7FR35	R	020JIRWIK7EA2WALPV	ALNAV/VNAV ALNAV						JS
SUSAP	19A	K7FR35	R	030RW35 K7PGOGY M	031TF	34840047			01001	-300	A JS
SUSAP	19A	K7FR35	R	040MIJLOK7EA0EYM	010DF			+	03500		A JS
SUSAP	19A	K7FR35	R	050MIJLOK7EA0EE	R020HM	34600040		+	03500		A JS

[illegible]

SUSAP 19A K7GRW35 0052103484 N34100842W083333289-0400 +0260300951000050075R

[illegible]

SUSAP 19A K7PR35 RW35 001 0000W35A0N3410084180W08333328870+026030300N3411339500W08334035900106751160000500F4005001AB929E8
SUSAP 19A K7PR35 RW35 002E +02899+02899LPV 82704

QUALITY
CHECKED

CITY AND STATE
JEFFERSON, GA

ELEVATION: 951 TDZE: 950
AIRPORT NAME:
JACKSON COUNTY

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, AMDT 1
22 OCT 2009

SUP:	RNAV (GPS) RWY 34
AMDT:	ORIG-A
DATED:	12/20/2007

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP 19A K7SRW35 K7PG					0	18018004425							M

QUALITY
CHECKEDCITY AND STATE
JEFFERSON, GAELEVATION: 951 TDZE: 950
AIRPORT NAME:
JACKSON COUNTYFACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, AMDT 1
22 OCT 2009SUP: RNAV (GPS) RWY 34
AMDT: ORIG-A
DATED: 12/20/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AHN	AHN	010	IAF	IF		FB				
	AHN	KEKTE	020		TF		FB	1.0	294.3 (289T)	009.1	02500
		KEKTE	010	FACF	IF		FB				02500
		JIRWI	020	FAP	TF		FB	0.5	348.4 (343T)	006.1	02500
		RW35	030	MAP	TF		FO	0.3	348.4 (343T)	004.7	01001

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	MIJLO	040		DF		FO	1.0			03500
	MIJLO	050		HM	R	FO	2.0	346.0 (341T)	004.0	03500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AHN	N335651.30	W0831929.10	N3356.855	W08319.485
	JIRWI	N340540.78	W0833156.93	N3405.680	W08331.949
	KEKTE	N335952.07	W0832952.16	N3359.868	W08329.869
	MIJLO	N342257.21	W0833809.46	N3422.954	W08338.158
	RW35	N341008.42	W0833332.89	N3410.140	W08333.548

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
RW35	00951 50	

QUALITY
CHECKED

CITY AND STATE JEFFERSON, GA	ELEVATION: 951 TDZE: 950	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 22 OCT 2009	SUP. RNAV (GPS) RWY 35
	AIRPORT NAME: JACKSON COUNTY			AMDT: ORIG-A
				DATED: 12/20/2007

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:
RWYS 17, 35 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 17 CLIMB HEADING 168.39 DEGREES TO 2500 BEFORE TURNING.

RWY 35 CLIMB HEADING 348.39 DEGREES TO 2500 BEFORE TURNING.

(3) TAKEOFF OBSTACLE NOTES:

**NOTE: RWY 17, SCRUB AND TREES BEGINNING 61 FEET FROM DER, 67 FEET RIGHT OF CENTERLINE UP TO 117 FEET AGL/997 FEET MSL.
PILONS AND TREES BEGINNING 190 FEET FROM DER, 167 FEET LEFT OF CENTERLINE, UP TO 99 FEET AGL/999 FEET MSL.**

NOTE: RWY 35, TREES BEGINNING 0 FEET FROM DER, 171 FEET RIGHT AND 297 FEET LEFT OF CENTERLINE UP TO 100 FEET AGL/1019 FEET MSL.

(4) CONTROLLING OBSTACLES:

RWY 17 AND 35: 2220 MSL TOWER 341228.00N-0833748.00W.

(5) City, State JEFFERSON, GA	(6) Airport JACKSON COUNTY	(7) Effective Date 22 OCT 2009	(8) Amdt. No. 2

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
AHN VORTAC (IF/IAF)	DUCUT/13.00 DME	318.68 / 13.00	2500

MAP: AHN 17.67 DME FIX

CLIMBING RIGHT TURN TO 3000 VIA AHN VORTAC R-319 TO DUCUT/AHN 13.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 318.68 INBOUND.
 CHART FAS OBST: 1059 TREE 340822N/0833323W
 CHART: 1071 TOWER 340730N/0833341W.
 DUCUT TO RW35:3.02/50.

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT AHN VORTAC
- FAC 318.68 FAF DUCUT/13.00 DME DIST FAF TO MAP THLD 4.67
- MIN. ALT AHN VORTAC 2500, DUCUT 2500
- MSA FROM: AHN VORTAC 060-240 2500, 240-060 3700

MAG VAR: 0E

EPOCH YEAR: 1965

MINIMUMS

TAKEOFF:		STANDARD	X	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		
B-35		1380	1	430	1380	1	430	1380	1 1/4	430	1380	1 1/2	430					
CIRCLING		1380	1	429	1420	1	469	1420	1 1/2	469	1520	2	569					

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ATHENS/BEN EPPS ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND S-35 CAT C VISIBILITY 1/4 MILE.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON AHN VORTAC VIA AIRWAY RADIALS 291 CW 340.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
1
CHECKED

CITY AND STATE JEFFERSON, GA	ELEVATION: 951 TDZE: 950 AIRPORT NAME: JACKSON COUNTY	FACILITY IDENTIFIER: AHN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 35, AMDT 1 22 OCT 2009	SUP VOR/DME RWY 34 AMDT ORIG-A DATE 01/18/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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					MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: JES NDB CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 1800 DIRECT JES NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 1800. ADDITIONAL FLIGHT DATA: HOLD W, RT, 108.00 INBOUND. CHART FAS OBST: 224 TREE 313429N/0815708W CHART ARPT ELEV 107 CHART R-3007. CHART TDZE 107 FAC CROSSES RWY C/L EXTENDED 7955 FROM THLD.					
SSI VORTAC	JES NDB	327.08 / 37.65	2000						
1. PT <u>L</u> SIDE OF COURSE <u>288.00</u> OUTBOUND <u>1800</u> FT WITHIN <u>10</u> MILES OF <u>JES NDB</u> (IAF) 2. _____ 3. FAC <u>108.00</u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 5. MSA FROM: <u>JES NDB 2300</u>					MAG VAR: <u>4W</u> EPOCH YEAR: <u>1990</u>				
MINIMUMS									
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE:	NA	☒
CATEGORY	A			B			C		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-11	580	1	473	580	1	473	580	1 1/4	473
CIRCLING	580	1	473	580	1	473	580	1 1/2	473
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAVANNAH/HILTON HEAD INTL ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET, S-11 CAT C AND D AND CIRCLING CAT D VISIBILITY 1/2 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.									
CITY AND STATE		ELEVATION: 107 TDZE: 107		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP NDB OR GPS RWY	
JESUP, GA		AIRPORT NAME:		JES		NDB RWY 11, AMDT 2		11	
		JESUP-WAYNE COUNTY				22 OCT 2009		AMDT 1C	
								DATE 07/03/2008	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SSI VORTAC	JES NDB	327.08 / 37.65	2000

MAP: JES NDB

CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 1800 DIRECT JES NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 1800.

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 275.89 INBOUND.
 CHART FAS OBST: 186 PWR TRMSN PYLON
 313215N/0814930W
 CHART R-3007.
 CHART ARPT ELEV 107
 CHART TDZE 96
 FAC CROSSES RWY C/L EXTENDED 1552 FROM THLD.

1. PT R SIDE OF COURSE 095.89 OUTBOUND 1800 FT WITHIN 10 MILES OF JES NDB (IAF)
 2. _____
 3. FAC 275.89 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: JES NDB 2300

MAG VAR: 4W

EPOCH YEAR: 1990

MINIMUMS

TAKEOFF:	☐	STANDARD	☒	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-29		540	3/4	444	540	3/4	444	540	1 1/4	444	540	1 1/2	444			
CIRCLING		540	1	433	560	1	453	560	1 1/2	453	780	2 1/4	673			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAVANNAH/HILTON HEAD INTL ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET, S-29 CAT C AND D VISIBILITY 1/4 MILE, AND CIRCLING CAT D VISIBILITY 1/2 MILE.
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-29 CAT C.

CITY AND STATE JESUP, GA	ELEVATION: 107 TDZE: 96 AIRPORT NAME: JESUP-WAYNE COUNTY	FACILITY IDENTIFIER: JES	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 29, AMDT 3 22 OCT 2009	SUP NDB OR GPS RWY 29
				AMDT 2C
				DATE 07/03/2008

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.													
TERMINAL ROUTES				MISSED APPROACH													
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW11 CLIMB TO 2700 DIRECT EGOXY AND RIGHT TURN VIA TRACK 217.47 TO FEJYY AND RIGHT TURN VIA TRACK 325.75 TO KOGSE AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 224 TREE 313429N/0815708W CHART FAS OBST: 180 TREE 313319N/0815412W CHART R-3007. DISTANCE TO THLD FROM 355 HAT: 0.84 NM. CHART VDP AT 0.82 MILES TO RW11* *LNAV ONLY. WAAS CHANNEL # 77815 REFERENCE PATH ID: W11A													
HABLE	COMTA (FB)	002.33 / 8.90	2700														
WABIT	KOGSE (FB)	223.57 / 6.83	2700														
COMTA (IAF)	KOGSE (NOPT) (FB)	013.35 / 5.00	2700														
KOGSE (IF/IAF)	JATAS (FB)	103.36 / 6.10	1700														
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W KOGSE, RT, 103.36 INBOUND, 2700 FT. IN LIEU OF PT (IAF) 3. FAC: 103.43 FAF: JATAS DIST FAF TO MAP: 4.33 THLD: 4.33 4. MIN. ALT: KOGSE 2700, JATAS 1700 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 1700 GS ALT AT: JATAS OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.30 TCH: 60.0 34:1 IS NOT CLEAR 8. MSA FROM: RW11 2300				MAG VAR: 4W EPOCH YEAR: 1990													
MINIMUMS																	
TAKEOFF: ☐ STANDARD ☒ 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	462	1	355	462	1	355	462	1	355		NA						
LNAV/VNAV DA	473	1 1/4	366	473	1 1/4	366	473	1 1/4	366		NA						
LNAV MDA	480	1	373	480	1	373	480	1	373		NA						
CIRCLING	500	1	393	560	1	453	560	1 1/2	453		NA						
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING SAVANNAH/HILTON HEAD INTL ALTIMETER SETTING. 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 NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAVANNAH/HILTON HEAD INTL ALTIMETER SEE 8260-10																	
CITY AND STATE JESUP, GA				ELEVATION: 107 TDZE: 107 AIRPORT NAME: JESUP-WAYNE COUNTY				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG 22 OCT 2009				SUP: AMDT: NONE DATED	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

SETTING AND INCREASE LPV DA TO 583, LNAV/VNAV DA TO 594, AND ALL MDA 140 FEET; INCREASE LPV ALL

CATS AND LNAV CAT C VISIBILITY 1/2 MILE AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING SAVANNAH/HILTON HEAD INTL ALTIMETER SETTING.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WABIT VIA V578 EASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HABLE VIA V267 SOUTHEAST BOUND.

CITY AND STATE

JESUP, GA

ELEVATION: 107 TDZE: 107

AIRPORT NAME:

JESUP-WAYNE COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 11, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KJES
RUNWAY RW11
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W11A
LTP/FTP LATITUDE 313318.7490N
LTP/FTP LONGITUDE 0815328.4115W
LTP/FTP ELLIPSOIDAL HEIGHT +00034
FPAP LATITUDE 313304.0500N
FPAP LONGITUDE 0815145.5600W
THRESHOLD CROSSING HEIGHT (TCH) 00060.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.30
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1072
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

A42D4460

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00326
FPAP ORTHOMETRIC HEIGHT +00326

CITY AND STATE

JESUP, GA

ELEVATION: 107 TDZE: 107

AIRPORT NAME:

JESUP-WAYNE COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 11, ORIG

22 OCT 2009

SUP:

AMDT: NONE

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KJESK7FR11	AHABLE	010HABLEK7EA0E	IF							18000		A JS	
SUSAP KJESK7FR11	AHABLE	020COMTAK7EA0E	A 020TF			00230089		+ 02700				A JS	
SUSAP KJESK7FR11	AHABLE	030KOGSEK7EA0EE	010TF			01340050		+ 02700				A JS	
SUSAP KJESK7FR11	AWABIT	010WABITK7EA0E	IF							18000		A JS	
SUSAP KJESK7FR11	AWABIT	020KOGSEK7EA0E	020TF			22360068		+ 02700				A JS	
SUSAP KJESK7FR11	AWABIT	030KOGSEK7EA0EE	AR HF			10340040		+ 02700				A JS	
SUSAP KJESK7FR11	R	010KOGSEK7EA0E	I IF					+ 02700		19000		A JS	
SUSAP KJESK7FR11	R	020JATASK7EA1E	F 051TF			10340061		+ 01700			RW11	K7PGA JS	
SUSAP KJESK7FR11	R	020JATASK7EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP KJESK7FR11	R	030RW11	K7PCGGY M 031TF			10340043		00167		-330		A JS	
SUSAP KJESK7FR11	R	040EGOXYK7EA0E	M 010DF									A JS	
SUSAP KJESK7FR11	R	050FEJYYK7EA0E	R010TFY			2175						A JS	
SUSAP KJESK7FR11	R	060KOGSEK7EA0EY	R010TFY			3258		+ 02700				A JS	
SUSAP KJESK7FR11	R	070KOGSEK7EA0EE	R020HM			10340040		+ 02700				A JS	

[illegible]

CITY AND STATE JESUP, GA	ELEVATION: 107 TDZE: 107 AIRPORT NAME: JESUP-WAYNE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

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[illegible]

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HABLE	HABLE	010		IF		FB				
	HABLE	COMTA	020	IAF	TF		FB	2.0	002.3 (358T)	008.9	02700
	HABLE	KOGSE	030		TF		FB	1.0	013.4 (009T)	005.0	02700
	WABIT	WABIT	010		IF		FB				
	WABIT	KOGSE	020		TF		FO	2.0	223.6 (220T)	006.8	02700
	WABIT	KOGSE	030	IAF	HF	R	FO		103.4 (099T)	004.0	02700
		KOGSE	010	FACF	IF		FB				02700
		JATAS	020	SAF	TF		FB	0.5	103.4 (099T)	006.1	01700
		RW11	030	MAP	TF		FO	0.3	103.4 (099T)	004.3	00167

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EGOXY	040		DF		FB	1.0			
	FEJYY	050		TF	R	FB	1.0	217.5 (214T)		
	KOGSE	060		TF	R	FO	1.0	325.8 (322T)		02700
	KOGSE	070		HM	R	FO	2.0	103.4 (099T)	004.0	02700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COMTA	N313004.72	W0820628.12	N3130.079	W08206.469
	EGOXY	N313214.22	W0814558.28	N3132.237	W08145.971
	FEJYY	N312212.07	W0815342.09	N3122.201	W08153.702
	HABLE	N312109.68	W0820609.96	N3121.161	W08206.166
	JATAS	N313401.47	W0815828.21	N3134.025	W08158.470
	KOGSE	N313501.37	W0820531.05	N3135.023	W08205.518
	WABIT	N314017.85	W0820025.62	N3140.298	W08200.427
	RW11	N313318.75	W0815328.41	N3133.313	W08153.474

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION
	RW11	00107
		TCH
		60

CITY AND STATE

JESUP, GA

ELEVATION: 107 TDZE: 107

AIRPORT NAME:

JESUP-WAYNE COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 11, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW29 CLIMB TO 2700 DIRECT KOGSE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 103.36 INBOUND. CHART FAS OBST: 132 TREE 313249N/0815128W CHART FAS OBST: 186 PWR TRMSN PYLON 313215N/0814930W CHART R-3007. DISTANCE TO THLD FROM 268 HAT: 0.78 NM. WAAS CHANNEL # 53615 REFERENCE PATH ID: W29A								
HABLE	OCADA (FB)	080.35 / 22.35	2700									
OCADA (IAF)	HESUB (NOPT) (FB)	013.58 / 5.00	2700									
HESUB (IF/IAF)	JEMUX (FB)	283.59 / 6.03	1700									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E HESUB, RT, 283.59 INBOUND, 2700 FT. IN LIEU OF PT (IAF) 3. FAC: 283.53 FAF: JEMUX DIST FAF TO MAP: 4.91 THLD: 4.91 4. MIN. ALT: HESUB 2700, JEMUX 1700 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 1700 GS ALT AT: JEMUX OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR 8. MSA FROM: RW29 2300				MAG VAR: 4W EPOCH YEAR: 1990								
MINIMUMS												
TAKEOFF:	STANDARD ☒	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
LPV DA	364	1	268	364	1	268	364	1	268	364	1	268
LNAV/VNAV DA	421	1 1/4	325	421	1 1/4	325	421	1 1/4	325	421	1 1/4	325
LNAV MDA	440	1	344	440	1	344	440	1	344	440	1 1/4	344
CIRCLING	500	1	393	560	1	453	560	1 1/2	453	780	2 1/4	673
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING SAVANNAH/HILTON HEAD INTL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10												
CITY AND STATE			ELEVATION: 107 TDZE: 96		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:		
JESUP, GA			AIRPORT NAME:				RNAV (GPS) RWY 29, ORIG			AMDT: NONE		
			JESUP-WAYNE COUNTY				22 OCT 2009			DATED		

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAVANNAH/HILTON HEAD INTL ALTIMETER SETTING AND INCREASE LPV DA TO 485, LNAV/VNAV DA TO 542, AND ALL MDA 140 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS AND CIRCLING CAT D VISIBILITY 1/2 MILE, INCREASE LNAV CAT C AND D VISIBILITY 1/4 MILE.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HABLE VIA V362 NORTHWEST BOUND.

CITY AND STATE

JESUP, GA

ELEVATION: 107 TDZE: 96

AIRPORT NAME:

JESUP-WAYNE COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 29, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KJES
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	313309.7855N
LTP/FTP LONGITUDE	0815225.7205W
LTP/FTP ELLIPSOIDAL HEIGHT	-00082
FPAP LATITUDE	313324.4900N
FPAP LONGITUDE	0815408.5700W
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	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	2C12005C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00212
FPAP ORTHOMETRIC HEIGHT	+00212

CITY AND STATE

JESUP, GA

ELEVATION: 107 TDZE: 96

AIRPORT NAME:

JESUP-WAYNE COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 29, ORIG

22 OCT 2009

SUP:

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.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KJESK7FR29	AHABLE	010HABLEK7EA0E	IF							18000		A JS	
SUSAP KJESK7FR29	AHABLE	020OCADAK7EA0E	A 020TF			08040224		+ 02700				A JS	
SUSAP KJESK7FR29	AHABLE	030HESUBK7EA0EE	010TF			01360050		+ 02700				A JS	
SUSAP KJESK7FR29	AHESUB	010HESUBK7EA0EE	AR HF			28360040		+ 02700		18000		A JS	
SUSAP KJESK7FR29	R	010HESUBK7EA0E	I IF					+ 02700		18000		A JS	
SUSAP KJESK7FR29	R	020JEMUXK7EA1E	F 051TF			28360060		+ 01700			RW29	K7PGA	JS
SUSAP KJESK7FR29	R	020JEMUXK7EA2WALPV		ALNAV/VNAV	ALNAV								JS
SUSAP KJESK7FR29	R	030RW29	K7PGCGY M 031TF			28350049		00115		-300		A JS	
SUSAP KJESK7FR29	R	040KOGSEK7EA0EYM	010DF					+ 02700				A JS	
SUSAP KJESK7FR29	R	050KOGSEK7EA0EE	R020HM			10340040		+ 02700				A JS	

[illegible][illegible]

CITY AND STATE JESUP, GA	ELEVATION: 107	TDZE: 96	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 28, ORIG	AMDT: NONE
	JESUP-WAYNE COUNTY			22 OCT 2009	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.

[illegible]

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 HAI, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	HABLE	HABLE	010		IF		FB				
	HABLE	OCADA	020	IAF	TF		FB	2.0	080.4(076T)	022.4	02700
	HABLE	HESUB	030		TF		FB	1.0	013.6(010T)	005.0	02700
	HESUB	HESUB	010	IAF	HF	R	FO		283.6(280T)	004.0	02700
		HESUB	010	PACF	IF		FB				02700
		JEMUX	020	PAF	TF		FB	0.5	283.6(280T)	006.0	01700
		RW29	030	MAP	TP		FO	0.3	283.5(280T)	004.9	00115

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	KOGSE	040		DF		FO	1.0			02700
	KOGSE	050		HM	R	FO	2.0	103.4(099T)	004.0	02700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HABLE	N312109.68	W0820609.96	N3121.161	W08206.166
	HESUB	N313120.82	W0813948.26	N3131.347	W08139.804
	JEMUX	N313221.02	W0814645.59	N3132.350	W08146.760
	KOGSE	N313501.37	W0820531.05	N3135.023	W08205.518
	OCADA	N312624.36	W0814046.68	N3126.406	W08140.778
	RW29	N313309.79	W0815225.72	N3133.163	W08152.429

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW29	00070		45

CITY AND STATE
JESUP, GA

ELEVATION: 107 TDZE: 96
 AIRPORT NAME:
 JESUP-WAYNE COUNTY

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 29, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:
RWY 11, 29 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 11, TREES BEGINNING 52' FROM DER, 497' LEFT OF CENTERLINE, UP TO 100' AGL/154' MSL. TREES BEGINNING 312' FROM DER, 294' RIGHT OF CENTERLINE, UP TO 100' AGL/154' MSL.

NOTE: RWY 29, TREES BEGINNING 1811' FROM DER, 181' LEFT OF CENTERLINE, UP TO 100' AGL/188' MSL. TREES BEGINNING 24' FROM DER, 98' RIGHT OF CENTERLINE, UP TO 100' AGL/190' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

JESUP, GA

(6) Airport

JESUP-WAYNE COUNTY

(7) Effective Date
22 OCT 2009

(8) Amdt. No.
ORIG

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
BOWL N INT	YATES LOM/5.01 DME	134.03 / 13.83	4000	ILS: DA LOC: 4.02 MILES AFTER YATES LOM/5.01 DME OR AT 0.99 DME FIX CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 DIRECT YATES LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000; OR WHEN DIRECTED BY ATC, CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 210 AND THE ATL VORTAC R-176 TO GRANT INT AND HOLD SW, RT, 067.28 INBOUND.
GRANT INT	YATES LOM/5.01 DME	063.63 / 10.99	4000	
				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 300.77 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW GRANT INT, RT, 067.28 INBOUND. CHART FAS OBST: 894 TREE 325658N/0841438W CHART VDP AT 2.05 DME; DISTANCE VDP TO THLD 1.06 MILES.

1. PT R SIDE OF COURSE 120.77 OUTBOUND 2400 FT WITHIN 10 MILES OF YATES LOM (IAF)
2. _____
3. FAC: 300.77 FAF: YATES LOM/5.01 DME DIST FAF TO MAP: 4.02 THLD: 4.02
4. MIN. ALT: YATES LOM 2200
5. DIST TO THLD FROM OM: 4.02 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1002
6. MIN GS INCPT: 2200 GS ALT AT: GS INTC OM: 2141 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 50.5
8. MSA FROM: OP LOM 3500

MAG VAR: 3W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:	☐	STANDARD	☒	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
S-ILS 30	996	1/2	200	996	1/2	200	996	1/2	200	996	1/2	200			
S-LOC 30	1160	1/2	364	1160	1/2	364	1160	1/2	364	1160	3/4	364			
CIRCLING	1260	1	462	1260	1	462	1260	1 1/2	462	1360	2	562			

NOTES:
CHART NOTE: ADF REQUIRED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PEACHTREE CITY-FALCON FIELD ALTIMETER SETTING AND INCREASE ALL DA 68 FEET AND ALL MDA 80 FEET; INCREASE S-LOC 30 CATS C AND D VISIBILITY 1/4 MILE.

SEE 8260-10

CITY AND STATE	ELEVATION: 798 TDZE: 796	FACILITY IDENTIFIER: I-OPN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS RWY 30
THOMASTON, GA	AIRPORT NAME: THOMASTON-UPSON COUNTY		ILS OR LOC RWY 30, AMDT 2	AMDT: 1
			22 OCT 2009	DATED 05/15/2003

QUALITY
2
CHECKED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING PEACHTREE CITY-FALCON FIELD ALTIMETER SETTING, INCREASE S-ILS 30 ALL CATS VISIBILITY TO 1 MILE.

CHART NOTE: VDP NA WHEN USING PEACHTREE CITY-FALCON FIELD ALTIMETER SETTING.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART PLANVIEW NOTE: ADF REQUIRED.

CITY AND STATE

THOMASTON, GA

ELEVATION: 798 TDZE: 796

AIRPORT NAME:

THOMASTON-UPSON COUNTY

FACILITY
IDENTIFIER:

I-OPN

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 30, AMDT 2

22 OCT 2009

SUP: ILS RWY 30

AMDT: 1

DATED: 05/15/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 4.02 MILES AFTER YATES LOM							
BOWL N INT GRANT INT		YATES LOM		134.03 / 13.83				4000		CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 DIRECT YATES LOM AND HOLD.							
		YATES LOM		063.63 / 10.99				4000									
										ADDITIONAL FLIGHT DATA: HOLD SE, RT, 301.99 INBOUND. CHART FAS OBST: 989 TREE 325749N/0841451W YATES LOM TO RW30: 3.20/40.							
1. PT <u>R</u> SIDE OF COURSE <u>121.99</u> OUTBOUND <u>2400</u> FT WITHIN <u>10</u> MILES OF <u>YATES LOM</u> (IAF)														MAG VAR: 3W EPOCH YEAR: 1995			
2. _____																	
3. FAC <u>301.99</u> FAF <u>YATES LOM</u> DIST FAF TO MAP <u>4.02</u> THLD <u>4.02</u>																	
4. MIN. ALT <u>YATES LOM 2200</u>																	
8. MSA FROM: <u>OP LOM 3500</u>																	
MINIMUMS																	
TAKEOFF:		STANDARD		☒		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-30	1300	3/4	504	1300	3/4	504	1300	1	504	1300	1 1/4	504					
CIRCLING	1300	1	502	1300	1	502	1300	1 1/2	502	1360	2	562					
NOTES: CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PEACHTREE CITY-FALCON FIELD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE S-30 CAT C, D VISIBILITY 1/4 MILE.																	
CITY AND STATE				ELEVATION: 798 TDZE: 796				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP NDB OR GPS RWY	
THOMASTON, GA				AIRPORT NAME:				OP				22 OCT 2009				30	
				THOMASTON-UPSON COUNTY												AMD T 1A	
																DATE 09/28/2006	

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
GRANT	JOTER (FO)	340.85 / 14.45	3000	LPV: DA LNAV: RW12	
OLISY (IAF)	JOTER (NOPT) (FB)	211.82 / 8.64	3000	CLIMB TO 3000 DIRECT ASUWI AND VIA TRACK 087.79 TO HUZER AND HOLD.	
JOTER (IF/IAF)	FOGES (FB)	120.63 / 6.10	2800		
				ADDITIONAL FLIGHT DATA: HOLD NE, RT, 247.28 INBOUND. CHART FAS OBST: 949 TREE 325749N/0841551W CHART 1643 TOWER 325937N/0842205W. CHART 1556 TOWER 325946N/0842005W CHART 863 TOWER 325738N/0841642W DISTANCE TO THLD FROM 272 HAT: 0.71 NM. WAAS CHANNEL # 63115 REFERENCE PATH ID: W12A	
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW JOTER, RT, 120.63 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>120.69</u> FAF: <u>FOGES</u> DIST FAF TO MAP: <u>6.06</u> THLD: <u>6.06</u> 4. MIN. ALT: <u>JOTER 3000, FOGES 2800, FIDLO/3.60 NM TO RW12 1980*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2800</u> GS ALT AT: <u>FOGES</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW12 3500</u>				MAG VAR: 3W EPOCH YEAR: 1995	

MINIMUMS

TAKEOFF:		STANDARD	X	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	1063	1	272	1063	1	272	1063	1	272	1063	1	272			
LNAV MDA	1200	1	409	1200	1	409	1200	1 1/4	409	1200	1 1/4	409			
CIRCLING	1300	1	502	1300	1	502	1300	1 1/2	502	1360	2	562			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
 *LNAV ONLY
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
1
CHECKED

CITY AND STATE THOMASTON, GA	ELEVATION: 798 TDZE: 791 AIRPORT NAME: THOMASTON-UPSON COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, ORIG 22 OCT 2009	SUP: AMDT: NONE DATED

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PEACHTREE CITY-FALCON FIELD ALTIMETER SETTING AND INCREASE ALL DA 68 FEET AND ALL MDA 80 FEET; INCREASE LPV VISIBILITY 1/4 MILE
ALL CATS, LNAV CAT D VISIBILITY 1/4 MILE.

QUALITY
CHECKED

CITY AND STATE THOMASTON, GA	ELEVATION: 798 TDZE: 791 AIRPORT NAME: THOMASTON-UPSON COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOPN
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	325729.6520N
LTP/FTP LONGITUDE	0841616.9520W
LTP/FTP ELLIPSOIDAL HEIGHT	+02122
FPAP LATITUDE	325648.0700N
FPAP LONGITUDE	0841443.2500W
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	1016
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER CAB40CDA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02396
FPAP ORTHOMETRIC HEIGHT	+02396

CITY AND STATE
 THOMASTON, GA

ELEVATION: 798 TDZE: 791
 AIRPORT NAME:
 THOMASTON-UPSON COUNTY

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 12, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KOPNK7FR12	AGRANT	010GRANTK7EA0E	IF							18000		A JS	
SUSAP KOPNK7FR12	AGRANT	020JOTERK7EA0EY	020TF			34090145		+ 03000				A JS	
SUSAP KOPNK7FR12	AGRANT	030JOTERK7EA0EE	AR HF			12060040		+ 03000				A JS	
SUSAP KOPNK7FR12	AOLISY	010OLISYK7EA0E	A IF							18000		A JS	
SUSAP KOPNK7FR12	AOLISY	020JOTERK7EA0EE	010TF			21180086		+ 03000				A JS	
SUSAP KOPNK7FR12	R	010JOTERK7EA0E	I IF					+ 03000		18000		A JS	
SUSAP KOPNK7FR12	R	020FOGESK7EA1E	F 051TF			12060061		+ 02800			RW12	K7PGA JS	
SUSAP KOPNK7FR12	R	020FOGESK7EA2WALP		N	ALNAV							JS	
SUSAP KOPNK7FR12	R	021FIDLOK7EA0E	S 031TF			12070025		V 0198001995		-300		A JS	
SUSAP KOPNK7FR12	R	030RW12	K7PG0GY M 031TF			12070036		00836		-300		A JS	
SUSAP KOPNK7FR12	R	040ASUWIK7EA0E	M 010DF									A JS	
SUSAP KOPNK7FR12	R	050HUZERK7EA0EY	010TF			0878		+ 03000				A JS	
SUSAP KOPNK7FR12	R	060HUZERK7EA0EE	R020HM			24730040		+ 03000				A JS	

[illegible]

CITY AND STATE THOMASTON, GA	ELEVATION: 798 TDZE: 791 AIRPORT NAME: THOMASTON-UPSON COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 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	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KOPNK7PR12 RW12 001 0000W12A0N3257296520W08416169520+021220300N3256480700W08414432500106751016000500P400500CAB40CDA												
	SUSAP KOPNK7PR12 RW12 002E +02396+02396LPV 63115												
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KOPNK7SRW12 K7PG 0 18018003525 M												

CITY AND STATE
 THOMASTON, GA

ELEVATION: 798 TDZE: 791
 AIRPORT NAME:
 THOMASTON-UPSON COUNTY

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 12, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GRANT	GRANT	010		IF		FB				
	GRANT	JOTER	020		TF		FO	2.0	340.9(338T)	014.5	03000
	GRANT	JOTER	030	IAF	HF	R	FO		120.6(118T)	004.0	03000
	OLISY	OLISY	010	IAF	IF		FB				
	OLISY	JOTER	020		TF		FB	1.0	211.8(209T)	008.6	03000
		JOTER	010	FACF	IF		FB				03000
		FOGES	020	FAF	TF		FB	0.5	120.6(118T)	006.1	02800
		FIDLO	021	SDF	TF		FB	0.3	120.7(118T)	002.5	0198001995
		RW12	030	MAP	TF		FO	0.3	120.7(118T)	003.6	00836

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ASUWI	040		DF		FB	1.0			
	HUZER	050		TF		FO	1.0	087.8(085T)		03000
	HUZER	060		HM	R	FO	2.0	247.3(244T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ASUWI	N325532.01	W0841152.00	N3255.534	W08411.867
	FIDLO	N325910.36	W0842004.21	N3259.173	W08420.070
	FOGES	N330019.24	W0842239.86	N3300.321	W08422.664
	GRANT	N324945.06	W0842236.39	N3249.751	W08422.607
	HUZER	N325612.78	W0840257.38	N3256.213	W08402.956
	JOTER	N330309.37	W0842905.16	N3303.156	W08429.086
	OLISY	N331044.66	W0842407.76	N3310.744	W08424.129
	RW12	N325729.65	W0841616.95	N3257.494	W08416.283

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW12	00786	50

CITY AND STATE
THOMASTON, GA

ELEVATION: 798 TDZE: 791
 AIRPORT NAME:
 THOMASTON-UPSON COUNTY

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 12, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

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: _____

TAKEOFF: ☐ STANDARD ☐ 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 OCT 2009

CITY AND STATE JEROME, ID	ELEVATION: 4053 TDZE: 4019 AIRPORT NAME: JEROME COUNTY	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 08, ORIG 06/15/2000	SUP AMDT NONE DATE

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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								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: _____					
TAKEOFF: ☐ STANDARD ☒ 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 OCT 2009															
CITY AND STATE JEROME, ID				ELEVATION: 4053 TDZE: 4053 AIRPORT NAME: JEROME COUNTY				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 26, ORIG 06/15/2000				SUP AMDT NONE DATE	

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: PINTO CLIMBING RIGHT TURN TO 6500 DIRECT LAHEW AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 4092 TOWER 424351N/1143222W LEZIB TO RW9: 3.04/40.							
GOODE (IAF)		LAHEW (NOPT) (FB)		145.87 / 5.12				6500									
SECAR (IAF)		LAHEW (NOPT) (FB)		358.36 / 7.07				6500									
LAHEW (IF/IAF)		LEZIB (FB)		085.90 / 6.01				5600									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W LAHEW, LT, 085.90 INBOUND, 6500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>085.99</u> FAF: <u>LEZIB</u> DIST FAF TO MAP: <u>4.30</u> THLD: <u>4.95</u> 4. MIN. ALT: LAHEW 6500, LEZIB 5600 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: PINTO 8200										MAG VAR: 14E		EPOCH YEAR: 2010					
MINIMUMS																	
TAKEOFF:		STANDARD		X		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	4420	1	401	4420	1	401	4420	1 1/4	401	4420	1 1/4	401					
CIRCLING	4480	1	427	4560	1	507	4560	1 1/2	507	4620	2	567					

NOTES:
 CHART NOTE: CIRCLING NA NORTH OF RWY 9-27.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GOODE VIA V4 NORTHWEST BOUND AND V293 NORTHWEST
 SEE 8260-10

CITY AND STATE		ELEVATION: 4053 TDZE: 4019		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:	
JEROME, ID		AIRPORT NAME: JEROME COUNTY		RNAV		RNAV (GPS) RWY 9, ORIG 22 OCT 2009		AMDT: NONE	
								DATED	

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.**BOUND.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SECAR VIA V253 SOUTHEAST BOUND.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TWIN FALLS ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, AND INCREASE LNAV CAT D VISIBILITY 1/4 MILE.**

CITY AND STATE

JEROME, ID

ELEVATION: 4053

TDZE: 4019

AIRPORT NAME:

JEROME COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, ORIG

22 OCT 2009

SUP:

AMDT:

NONE

DATED:

**RNAV (GPS) 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 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)[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KJERK1FR09	AGOOD	010GOODEK1EA0E	A	IF						18000		B	JS
SUSAP KJERK1FR09	AGOOD	020LAHEWK1EA0EE		010TF		14590051	+	06500				B	JS
SUSAP KJERK1FR09	ALAHW	010LAHEWK1EA0EE	AL	HF		08590070	+	06500	18000			B	JS
SUSAP KJERK1FR09	ASECAR	010SECARK1EA0E	A	IF					18000			B	JS
SUSAP KJERK1FR09	ASECAR	020LAHEWK1EA0EE		010TF		35840071	+	06500				B	JS
SUSAP KJERK1FR09	R	010LAHEWK1EA0E	I	IF			+	06500	18000			B	JS
SUSAP KJERK1FR09	R	020LEZIBK1EA1E	F	051TF		08590060	+	05600			PINTO	K1EAB	JS
SUSAP KJERK1FR09	R	020LEZIBK1EA2WN			N	ALNAV							JS
SUSAP KJERK1FR09	R	030PINTOK1EA0EY	M	031TF		08600043		04212		-304		B	JS
SUSAP KJERK1FR09	R	040LAHEWK1EA0EYM	R010DF				+	06500				B	JS
SUSAP KJERK1FR09	R	050LAHEWK1EA0EE	L020HM			08590070	+	06500				B	JS

[illegible][illegible]

QUALITY
CHECKED

CITY AND STATE
JEROME, ID

ELEVATION: 4053 TDZE: 4019
AIRPORT NAME:
JEROME COUNTY

FACILITY
IDENTIFIER:
BNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 9, ORIG
22 OCT 2009

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GOODE	GOODE	010	IAF	IF		FB				
	GOODE	LAHEW	020		TF		FB	1.0	145.9 (160T)	005.1	06500
	LAHEW	LAHEW	010	IAF	HF	L	FO		085.9 (100T)	007.0	06500
	SECAR	SECAR	010	IAF	IF		FB				
	SECAR	LAHEW	020		TF		FB	1.0	358.4 (012T)	007.1	06500
		LAHEW	010	FACF	IF		FB				06500
		LEZIB	020	PAF	TF		FB	0.5	085.9 (100T)	006.0	05600
		PINTO	030	MAP	TF		FO	0.3	086.0 (100T)	004.3	04212

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LAHEW	040		DF	R	FO	1.0			06500
	LAHEW	050		HM	L	FO	2.0	085.9 (100T)	007.0	06500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GOODE	N425022.78	W1144459.20	N4250.380	W11444.987
	LAHEW	N424534.46	W1144235.82	N4245.574	W11442.597
	LEZIB	N424432.16	W1143433.96	N4244.536	W11434.566
	PINTO	N424347.22	W1142849.14	N4243.787	W11428.819
	SECAR	N423839.75	W1144439.12	N4238.663	W11444.652
	RW09	N424340.38	W1142756.90	N4243.673	W11427.948

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW09	03961		40

QUALITY
CHECKED

CITY AND STATE
JEROME, ID

ELEVATION: 4053 TDZE: 4019
 AIRPORT NAME:
 JEROME COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 9, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV: RW27 CLIMB TO 6500 DIRECT LAHEW AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 085.90 INBOUND. CHART FAS OBST: 4993 TOWER 424348N/1142455W DISTANCE TO THLD FROM 381 HAT: 1.01 NM. WAAS CHANNEL # 90514 REFERENCE PATH ID: W27A								
DRYAD	APGUH (FB)	317.96 / 23.87	9700									
APGUH (IAF)	FANCO (FB)	356.53 / 10.60	6100									
BYI VOR/DME (IAF)	FANCO (FB)	280.52 / 16.38	6100									
SHONE (IAF)	FANCO (FB)	214.43 / 7.74	6100									
FANCO (IF)	CITCO (FB)	266.25 / 6.08	5700									
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT FANCO 3. FAC: <u>266.16</u> FAF: <u>CITCO</u> DIST FAF TO MAP: <u>4.92</u> THLD: <u>4.92</u> 4. MIN. ALT: <u>FANCO 6100, CITCO 5700</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>5700</u> GS ALT AT: <u>CITCO</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>58.0</u> <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW27 8400</u>				MAG VAR: 14E EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	@							
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
LPV DA	4434	1 1/4	381	4434	1 1/4	381	4434	1 1/4	381	4434	1 1/4	381
LNAV MDA	5300	1 1/4	1247	5300	1 1/2	1247	5300	3	1247	5300	3	1247
CIRCLING	5300	1 1/4	1247	5300	1 1/2	1247	5300	3	1247	5300	3	1247
NOTES: CHART NOTE: CIRCLING NA NORTH OF RWY 9-27. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DRYAD VIA V484 SOUTHEAST BOUND. SEE 8260-10												
CITY AND STATE		ELEVATION: 4053 TDZE: 4053		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
JEROME, ID		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 27, ORIG		AMDT: NONE				
		JEROME COUNTY				22 OCT 2009		DATED				

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BYI VOR/DME VIA V4 EAST BOUND AND V101 SOUTHEAST BOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TWIN FALLS ALTIMETER SETTING AND INCREASE ALL DA 49 FEET, AND ALL MDA 60 FEET, AND INCREASE LPV ALL CATS VISIBILITY 1/4 MILE.

CITY AND STATE

JEROME, ID

ELEVATION: 4053 TDZE: 4053

AIRPORT NAME:

JEROME COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 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 KJER
RUNWAY RW27
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W27A
LTP/FTP LATITUDE 424331.7365N
LTP/FTP LONGITUDE 1142650.9610W
LTP/FTP ELLIPSOIDAL HEIGHT +12203
FPAP LATITUDE 424347.3200N
FPAP LONGITUDE 1142849.9900W
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 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

C71BDF82

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +12354
FPAP ORTHOMETRIC HEIGHT +12354

CITY AND STATE

JEROME, ID

ELEVATION: 4053 TDZE: 4053

AIRPORT NAME:

JEROME COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, ORIG

22 OCT 2009

SUP:

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.

[illegible]

QUALITY
1
CHECKED

CITY AND STATE JEROME, ID	ELEVATION: 4053 TDZE: 4053 AIRPORT NAME: JEROME COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG 22 OCT 2009	SUP:
				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.

[illegible]

QUALITY
CHECKED

CITY AND STATE JEROME, ID	ELEVATION: 4053 TDZE: 4053 AIRPORT NAME: JEROME COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	APGUH	APGUH	010	IAF	IF		FB				
	APGUH	FANCO	020		TF		FB	1.0	356.5(011T)	010.6	06100
	BYI	BYI	010	IAF	IF		FB				
	BYI	FANCO	020		TF		FB	1.0	280.5(295T)	016.4	06100
	DRYAD	DRYAD	010		IF		FB				
	DRYAD	APGUH	020	IAF	TF		FB	2.0	318.0(332T)	023.9	09700
	DRYAD	FANCO	030		TF		FB	1.0	356.5(011T)	010.6	06100
	SHONE	SHONE	010	IAF	IF		FB				
	SHONE	FANCO	020		TF		FB	1.0	214.4(228T)	007.7	06100
		FANCO	010	FACF	IF		FB				06100
		CITCO	020	PAF	TF		FB	0.5	266.3(280T)	006.1	05700
		RW27	030	MAP	TF		FO	0.3	266.2(280T)	004.9	04111

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	LAHEW	040		DF		FO	1.0			06500
	LAHEW	050		HM	L	FO	2.0	085.9(100T)	007.0	06500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BYI	N423448.88	W1135157.07	N4234.815	W11351.951
	APGUH	N423109.78	W1141447.46	N4231.163	W11414.791
	CITCO	N424239.84	W1142016.53	N4242.664	W11420.276
	DRYAD	N421006.39	W1135937.06	N4210.107	W11359.618
	FANCO	N424135.25	W1141209.80	N4241.588	W11412.163
	LAHEW	N424534.46	W1144235.82	N4245.574	W11442.597
	SHONE	N424643.79	W1140418.67	N4246.730	W11404.311
	RW27	N424331.74	W1142650.96	N4243.529	W11426.849

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27	04053	58

QUALITY
CHECKED

CITY AND STATE
JEROME, ID

ELEVATION: 4053 TDZE: 4053
 AIRPORT NAME:
 JEROME COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 27, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 27, STANDARD.

RWY 09, 500-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 435 FEET PER NM TO 4700.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 09, CLIMB HEADING 086.07 TO 5300 BEFORE PROCEEDING ON COURSE.

RWY 27, CLIMB HEADING 266.08 TO 4800 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 09, BUSH 140' FROM DER, 500 LEFT OF CENTERLINE, 16' AGL/4076' MSL. POLES STARTING 1432' FROM DER, 32' LEFT OF CENTERLINE, UP TO 47' AGL/4169' MSL. SIGN 1473' FROM DER, 547' LEFT OF CENTERLINE, 49' AGL/4119' MSL. OL ON BLDG 1510' FROM DER, 6' LEFT OF CENTERLINE, 43' AGL/4103' MSL. TREES STARTING 1651' FROM DER, 100' LEFT OF CENTERLINE, UP TO 53' AGL/ 4137' MSL. BLDG 2186' FROM DER, 173' LEFT OF CENTERLINE, 29' AGL/4119' MSL. RISING TERRAIN STARTING 2549' FROM DER, 560' LEFT OF CENTERLINE, UP TO 4219' MSL. AG EQUIP 4752' FROM DER, 517' LEFT OF CENTERLINE, 26' AGL/4175' MSL. POLES STARTING 600' FROM DER. 254' RIGHT OF CENTERLINE, UP TO 48' AGL/4173' MSL.

NOTE: RWY 27, FENCE STARTING 18' FROM DER, 440' LEFT OF CENTERLINE, UP TO 9' AGL/3969' MSL.

(4) CONTROLLING OBSTACLES:

RWY 09: 4530' MSL TOWER 424342.00N/1144251.00W, 4289' MSL TERRAIN 424343.02N/1142450.15W, 4993' MSL TOWER 424348.00N/1142455.00W.

RWY 27: 4993' MSL TOWER 424348.00N/1142455.00W.

(5) City, State JEROME, ID	(6) Airport JEROME COUNTY	(7) Effective Date 22 OCT 2009	(8) Amdt. No. 2

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
TWF VORTAC (IF/IAF)	RARAC/TWF 9.20 DME	346.02 / 9.20	5700	MAP: QAGDO/TWF 14.20 DME FIX CLIMBING LEFT TURN TO 8000 DIRECT TWF VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8000. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 4173 POLE 424323N/1142601W FAC CROSSES RWY 9-27 AT RWY 9 THLD.

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. **HOLD S TWF VORTAC, LT, 346.02 INBOUND, 8000 FT. IN LIEU OF PT (IAF)**
3. FAC 346.02 FAF RARAC/TWF 9.20 DME DIST FAF TO MAP _____ THLD _____
4. MIN. ALT RARAC 8000, RARAC 5700
8. MSA FROM: TWF VORTAC 070-160 9300. 160-250 8600. 250-070 6000

MAG VAR: 18E EPOCH YEAR: 1965

[illegible]

CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON TWF VORTAC VIA V142 WEST BOUND AND V269 SOUTHWEST BOUND AND V293 NORTH BOUND.

CITY AND STATE JEROME, ID	ELEVATION: 4053 TDZE: AIRPORT NAME: JEROME COUNTY	FACILITY IDENTIFIER: TWF	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME-A, AMDT 2 22 OCT 2009	SUP VOR/DME OR GPS:
				A
				AMDT 1A
DATE 06/08/2006				

PAGE 1 OF 1 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES								MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE									
										ADDITIONAL FLIGHT DATA:							
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)										MAG VAR: _____ EPOCH YEAR: _____							
2. _____																	
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____																	
4. MIN. ALT ____																	
8. MSA FROM: _____																	
TAKEOFF: [] STANDARD [] 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 OCT 2009																	
CITY AND STATE FAIRFIELD, IL		ELEVATION: 436 TDZE: 436 AIRPORT NAME: FAIRFIELD MUNI				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 9, ORIG, 11/04/1999						SUP AMDT NONE DATE			

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES												MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW09 CLIMBING RIGHT TURN TO 3000 DIRECT DAHLL AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 233.00 INBOUND. FAS OBST: 624 AAO 382334N/0882927W CHART VDP AT 1.31 MILES TO RW09. FIGEL TO RW09: 3.04/40.									
CRATS		CHIKY (FB)		159.23 / 7.24				2100											
DAHLL		ULUVY (FB)		317.15 / 7.55				2100											
CHIKY (IAF)		CORQE (NOPT) (FB)		181.25 / 5.00				2100											
ULUVY (IAF)		CORQE (NOPT) (FB)		001.25 / 5.00				2100											
VNN VOR/DME (IAF)		CORQE (NOPT) (FB)		083.14 / 7.51				2100											
CORQE (IF/IAF)		FIGEL (FB)		091.25 / 6.01				2000											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W CORQE, RT, 091.25 INBOUND, 2100 FT. IN LIEU OF PT (IAF) 3. FAC: 091.33 FAF: FIGEL _____ DIST FAF TO MAP: 4.72 THLD: 4.72 4. MIN. ALT: CORQE 2100, FIGEL 2000 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: RW09 2600												MAG VAR: 1W		EPOCH YEAR: 2000					
MINIMUMS																			
TAKEOFF:		STANDARD		X		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	880	1	444	880	1	444	880	1 1/4	444		NA								
CIRCLING	1040	1	604	1040	1	604	1040	1 3/4	604		NA								
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CRATS VIA V429 NORTHEAST BOUND, V52 NORTHWEST BOUND AND V446 WESTBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DAHLL VIA V4 EASTBOUND. SEE 8260-10																		@ NA WHEN LOCAL WEATHER NOT AVAILABLE.	
CITY AND STATE FAIRFIELD, IL				ELEVATION: 436 TDZE: 436 AIRPORT NAME: FAIRFIELD MUNI				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 22 OCT 2009				SUP:					
														AMDT: NONE					
														DATED					

QUALITY
 2
 CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.**CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FLORA ALTIMETER SETTING AND INCREASE****ALL MDA 60 FEET, INCREASE LNAV CAT C VISIBILITY 1/4 MILE.**

QUALITY
2
CHECKED

CITY AND STATE FAIRFIELD, IL	ELEVATION: 436 TDZE: 436 AIRPORT NAME: FAIRFIELD MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 22 OCT 2009	SUP: AMDT: NONE DATED:

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP	KFWCK5FR09	ACORQE	010CORQEK5EA0EE	AR	HF		09130040	+	02100	18000		B	JS	
SUSAP	KFWCK5FR09	ACRATS	010CRATSK5EA0E		IF					18000		B	JS	
SUSAP	KFWCK5FR09	ACRATS	020CHIKYK5EA0E	A	020TF		15920072	+	02100			B	JS	
SUSAP	KFWCK5FR09	ACRATS	030CORQEK5EA0EE		010TF		18130050	+	02100			B	JS	
SUSAP	KFWCK5FR09	ADAHLL	010DAHLLK5EA0E		IF					18000		B	JS	
SUSAP	KFWCK5FR09	ADAHLL	020ULUVYK5EA0E	A	020TF		31720076	+	02100			B	JS	
SUSAP	KFWCK5FR09	ADAHLL	030CORQEK5EA0EE		010TF		00130050	+	02100			B	JS	
SUSAP	KFWCK5FR09	AVNN	010VNN	K5D	0V	A				18000		B	JS	
SUSAP	KFWCK5FR09	AVNN	020CORQEK5EA0EE		010TF		08310075	+	02100			B	JS	
SUSAP	KFWCK5FR09	R	010CORQEK5EA0E	I	IF			+	02100	18000		B	JS	
SUSAP	KFWCK5FR09	R	020FIGELK5EA1E	F	051TF		09130060	+	02000		RW09	K5PGB	JS	
SUSAP	KFWCK5FR09	R	020FIGELK5EA2WN			N	ALNAV						JS	
SUSAP	KFWCK5FR09	R	030RW09	K5PGOGY	M	031TF		09130047		00476	-304		B	JS
SUSAP	KFWCK5FR09	R	040DAHLLK5EA0EYM	R010DF				+	03000				B	JS
SUSAP	KFWCK5FR09	R	050DAHLLK5EA0EE	R020HM				+	03000				B	JS

QUALITY
CHECKED

CITY AND STATE FAIRFIELD, IL	ELEVATION: 436 TDZE: 436 AIRPORT NAME: FAIRFIELD MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

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QUALITY
CHECKED

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CORQE	CORQE	010	IAF	HF	R	FO		091.3 (090T)	004.0	02100
	CRATS	CRATS	010		IF		FB				
	CRATS	CHIKY	020	IAF	TF		FB	2.0	159.2 (158T)	007.2	02100
	CRATS	CORQE	030		TF		FB	1.0	181.3 (180T)	005.0	02100
	DAHLL	DAHLL	010		IF		FB				
	DAHLL	ULUVY	020	IAF	TF		FB	2.0	317.2 (316T)	007.6	02100
	DAHLL	CORQE	030		TF		FB	1.0	001.3 (000T)	005.0	02100
	VNN	VNN	010	IAF	IF		FB				
	VNN	CORQE	020		TF		FB	1.0	083.1 (082T)	007.5	02100
		CORQE	010	FACF	IF		FB				02100
		FIGEL	020	FAF	TF		FB	0.5	091.3 (090T)	006.0	02000
		RW09	030	MAP	TF		FO	0.3	091.3 (090T)	004.7	00476

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DAHLL	040		DF	R	FO	1.0			03000
	DAHLL	050		HM	R	FO	2.0	233.0 (232T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	VNN	N382143.03	W0884826.41	N3821.717	W08848.440
	CHIKY	N382744.64	W0883856.94	N3827.744	W08838.949
	CORQE	N382244.33	W0883858.61	N3822.739	W08838.977
	CRATS	N383428.41	W0884221.99	N3834.474	W08842.367
	DAHLL	N381217.08	W0883221.48	N3812.285	W08832.358
	FIGEL	N382242.52	W0883120.31	N3822.709	W08831.339
	ULUVY	N381744.02	W0883900.27	N3817.734	W08839.005
	RW09	N382240.74	W0882519.90	N3822.679	W08825.332

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00436	40

QUALITY
CHECKED

CITY AND STATE FAIRFIELD, IL	ELEVATION: 436	TDZE: 436	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 22 OCT 2009	SUP:
	AIRPORT NAME: FAIRFIELD MUNI				AMDT: NONE
					DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.									
TERMINAL ROUTES												MISSED APPROACH					
FROM			TO			COURSE AND DISTANCE			ALTITUDE			LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 2000 DIRECT LOCHS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 002.74 INBOUND. CHART FAS OBST: 369 TOWER 305114N/0895225W CHART FAS OBST: 221 TREE 304921N/0895200W DISTANCE TO THLD FROM 344 HAT: 0.92 NM. WAAS CHANNEL # 72613 REFERENCE PATH ID: W18A FAS OBST: 429 AAO 305336N/0895238W					
CILVU			OSTOE (FO)			019.31 / 10.08			2000								
FORAP (IAF)			OSTOE (NOPT) (FB)			092.66 / 9.43			2000								
AZLOR (IAF)			OSTOE (NOPT) (FB)			272.79 / 4.53			2000								
OSTOE (IF/IAF)			APALY (FB)			182.75 / 6.02			1500								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N OSTOE, RT, 182.75 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 182.74 FAF: APALY _____ DIST FAF TO MAP: 4.13 THLD: 4.13 4. MIN. ALT: OSTOE 2000, APALY 1500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1500 GS ALT AT: APALY _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR 8. MSA FROM: RW18 1900												MAG VAR: 0W EPOCH YEAR: 2010					
MINIMUMS																	
TAKEOFF:		STANDARD		X		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	463	1 1/4	344	463	1 1/4	344	463	1 1/4	344			NA					
LNAV/VNAV DA	532	1 1/2	413	532	1 1/2	413	532	1 1/2	413			NA					
LNAV MDA	620	1	501	620	1	501	620	1 1/2	501			NA					
CIRCLING	620	1	501	620	1	501	720	1 3/4	601			NA					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. SEE 8260-10																	
CITY AND STATE BOGALUSA, LA				ELEVATION: 119 TDZE: 119 AIRPORT NAME: GEORGE R CARR MEMORIAL AIR FLD				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 22 OCT 2009				SUP: AMDT: NONE DATED			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.**CHART NOTE: BARO-VNAV NA WHEN USING LAKEFRONT ALTIMETER SETTING.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAKEFRONT ALTIMETER SETTING AND INCREASE ALL DA 124 FEET AND ALL MDA 140 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE, INCREASE LNAV CAT C VISIBILITY 1/4 MILE, AND INCREASE CIRCLING CAT C VISIBILITY 1/2 MILE.**

CITY AND STATE

BOGALUSA, LA

ELEVATION: 119

TDZE: 119

AIRPORT NAME:

GEORGE R CARR MEMORIAL AIR FLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBXA
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	304908.1585N
LTP/FTP LONGITUDE	0895152.7875W
LTP/FTP ELLIPSOIDAL HEIGHT	+00084
FPAP LATITUDE	304738.9600N
FPAP LONGITUDE	0895157.7400W
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	1408
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 669EF5A0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00363
FPAP ORTHOMETRIC HEIGHT	+00363

CITY AND STATE

BOGALUSA, LA

ELEVATION: 119 TDZE: 119

AIRPORT NAME:

GEORGE R CARR MEMORIAL AIR FLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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[illegible]

QUALITY
CHECKED

CITY AND STATE BOGALUSA, LA	ELEVATION: 119 TDZE: 119 AIRPORT NAME: GEORGE R CARR MEMORIAL AIR FLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

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QUALITY
CHECKED

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AZLOR	AZLOR	010	IAF	IF		FB				
	AZLOR	OSTOE	020		TF		FB	1.0	272.8 (273T)	004.5	02000
	CILVU	CILVU	010		IF		FB				
	CILVU	OSTOE	020		TF		FO	2.0	019.3 (019T)	010.1	02000
	CILVU	OSTOE	030	IAF	HF	R	FO		182.8 (183T)	004.0	02000
	FORAP	FORAP	010	IAF	IF		FB				
	FORAP	OSTOE	020		TF		FB	1.0	092.7 (093T)	009.4	02000
		OSTOE	010	FACF	IF		FB				02000
		APALY	020	FAF	TF		FB	0.5	182.8 (183T)	006.0	01500
		RW18	030	MAP	TF		FO	0.3	182.7 (183T)	004.1	00169

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LOCHS	040		DF		FO	1.0			02000
	LOCHS	050		HM	R	FO	2.0	002.7 (003T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	APALY	N305316.37	W0895139.02	N3053.273	W08951.650
	AZLOR	N305904.67	W0894602.85	N3059.078	W08946.048
	CILVU	N304946.12	W0895511.53	N3049.769	W08955.192
	FORAP	N305944.59	W0900216.27	N3059.743	W09002.271
	LOCHS	N303641.77	W0895234.24	N3036.696	W08952.571
	OSTOE	N305917.85	W0895118.92	N3059.298	W08951.315
	RW18	N304908.16	W0895152.79	N3049.136	W08951.880

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00119	50

QUALITY
CHECK

CITY AND STATE
BOGALUSA, LA

ELEVATION: 119 TDZE: 119
 AIRPORT NAME:
 GEORGE R CARR MEMORIAL AIR FLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 18, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 9, 16, 27, 34, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, BUILDINGS BEGINNING 453' FROM DER, 519' RIGHT OF CENTERLINE, UP TO 30' AGL/829' MSL. BUILDING 723' FROM DER, 461' LEFT OF CENTERLINE, UP TO 30' AGL/829' MSL. TREES BEGINNING 1838' FROM DER, 23' RIGHT OF CENTERLINE, UP TO 100' AGL/899' MSL.

NOTE: RWY 16, TREES BEGINNING 3645' FROM DER, EXTENDING FROM 1018' RIGHT OF CENTERLINE TO 1221' LEFT OF CENTERLINE, UP TO 100' AGL/899' MSL.

NOTE: RWY 27, VEHICLE ON ROAD, 412' FROM DER, 510' LEFT OF CENTERLINE, UP TO 15' AGL/804' MSL. TREES BEGINNING 520' FROM DER, EXTENDING FROM 581' LEFT OF CENTERLINE TO 827' RIGHT OF CENTERLINE, UP TO 100' AGL/879' MSL.

(4) CONTROLLING OBSTACLES:



(5) City, State SAULT STE MARIE, MI	(6) Airport CHIPPEWA COUNTY INTL	(7) Effective Date 22 OCT 2009	(8) Amdt. No. ORIG

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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										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: _____									
TAKEOFF: ☐ STANDARD ☐ 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 <u>22 OCT 2009</u>																			
CITY AND STATE BOONVILLE, MO				ELEVATION: 715 TDZE: 715 AIRPORT NAME: JESSE VIERTEL MEMORIAL				FACILITY IDENTIFIER: VER				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 18, AMDT 10A, 12/07/2000				SUP			
																AMDT 10			
																DATE 11/04/1999			



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
HARIB	HESIK (FB)	042.02 / 38.91	2100	LPV: DA LNAV/VNAV: DA LNAV: RW14
SOBAW	FODUM (FB)	184.87 / 17.83	2100	
MAW VORTAC	EPOPY (FO)	312.95 / 16.40	2100	CLIMB TO 2100 DIRECT JARKO AND HOLD.
HESIK (IAF)	EPOPY (NOPT) (FB)	046.48 / 5.00	2100	
FODUM (IAF)	EPOPY (NOPT) (FB)	226.56 / 5.00	2100	
EPOPY (IF/IAF)	ARZOH (FB)	136.52 / 6.03	2100	ADDITIONAL FLIGHT DATA: HOLD SE, RT, 316.73 INBOUND. CHART FAS OBST: 399 TREE 363655N/0900026W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.03 MILES TO RW14* *LNAV ONLY. WAAS CHANNEL # 61315 REFERENCE PATH ID: W14A

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW EPOPY, RT, 136.52 INBOUND, 2100 FT. IN LIEU OF PT (IAF)
3. FAC: 136.57 FAF: ARZOH DIST FAF TO MAP: 5.47 THLD: 5.47
4. MIN. ALT: EPOPY 2100, ARZOH 2100, IZELU/1.90 NM TO RW14 920*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2100 GS ALT AT: ARZOH OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM: RW14 2300

MAG VAR: 1W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:	☐	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	☒										
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		542	1	250	542	1	250	542	1	250		NA				
LNAV/VNAV DA		698	1 1/2	406	698	1 1/2	406	698	1 1/2	406		NA				
LNAV MDA		660	1	368	660	1	368	660	1	368		NA				
CIRCLING		720	1	426	820	1	526	820	1 1/2	526		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE POPLAR BLUFF ALTIMETER SETTING AND INCREASE ALL DA 50 FEET, ALL MDA 60 FEET, LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITIES 1/4
SEE 8260-10

QUALITY
CHECK

CITY AND STATE	ELEVATION: 294 TDZE: 292	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MALDEN, MO	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 14, ORIG	AMDT: NONE
	MALDEN RGNL		22 OCT 2009	DATED

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

MILE.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING POPLAR BLUFF ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT MAW VORTAC VIA V175 SOUTHEAST BOUND.

QUALITY
6
CHECKED

CITY AND STATE

MALDEN, MO

ELEVATION: 294

TDZE: 292

AIRPORT NAME:

MALDEN RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMAW
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	363602.7200N
LTP/FTP LONGITUDE	0895951.2700W
LTP/FTP ELLIPSOIDAL HEIGHT	+00604
FPAP LATITUDE	363458.9500N
FPAP LONGITUDE	0895833.8900W
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

B7383FFA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+00891
FPAP ORTHOMETRIC HEIGHT	+00891

QUALITY
6
CHECKED

CITY AND STATE MALDEN, MO	ELEVATION: 294 TDZE: 292	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG 22 OCT 2009	SUP:
	AIRPORT NAME: MALDEN RGNL			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.

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMAWK3FR14	AHARIB	010HARIBK4EA0E	IF						18000		A JS	
SUSAP	KMAWK3FR14	AHARIB	020HESIKK3EA0E	A 020TF		04200389		+ 02100				A JS	
SUSAP	KMAWK3FR14	AHARIB	030EPOPYPK3EA0EE	010TF		04650050		+ 02100				A JS	
SUSAP	KMAWK3FR14	AMAW	010MAW K3D 0V	IF						18000		A JS	
SUSAP	KMAWK3FR14	AMAW	020EPOPYPK3EA0EY	020TF		31300164		+ 02100				A JS	
SUSAP	KMAWK3FR14	AMAW	030EPOPYPK3EA0EE	AR HF		13650040		+ 02100				A JS	
SUSAP	KMAWK3FR14	ASOBAB	010SOBBAWK3EA0E	IF						18000		A JS	
SUSAP	KMAWK3FR14	ASOBAB	020FODUMK3EA0E	A 020TF		18490178		+ 02100				A JS	
SUSAP	KMAWK3FR14	ASOBAB	030EPOPYPK3EA0EE	010TF		22660050		+ 02100				A JS	
SUSAP	KMAWK3FR14	R	010EPOPYPK3EA0E	I IF				+ 02100		18000		A JS	
SUSAP	KMAWK3FR14	R	020ARZOHK3EA1E	F 051TF		13650060		+ 02100			RW14 K3PGA	JS	
SUSAP	KMAWK3FR14	R	020ARZOHK3EA2WALPV		ALNAV/VNAV ALNAV							JS	
SUSAP	KMAWK3FR14	R	021IZELUK3EA0E	S 031TF		13660036		V 0092000941		-300		A JS	
SUSAP	KMAWK3FR14	R	030RW14 K3PGOGY M	031TF		13660019		00332		-300		A JS	

QUALITY
1
CHECKED

CITY AND STATE MALDEN, MO	ELEVATION: 294 TDZE: 292 AIRPORT NAME: MALDEN RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KMAWK3FR14	R	040JARKOK3EA0EYM	010DF					+ 02100			A JS	
	SUSAP KMAWK3FR14	R	050JARKOK3EA0EE	R020HM			31670040		+ 02100			A JS	
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KMAWK3GRW14		0050011366	N36360272W089595127+0000			+0060400292000040080R						
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KMAWK3PR14	RW14	001 0000W14A0N3636027200W08959512700+006040300N3634589500W08958338900106751224000400F400500B7383FFA										
	SUSAP KMAWK3PR14	RW14	002E	+00891+00891LPV		61315							
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KMAWK3SRW14	K3PG		0	18018002325							M	

QUALITY
1
CHECKED

CITY AND STATE
MALDEN, MO

ELEVATION: 294 TDZE: 292
 AIRPORT NAME:
 MALDEN RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 14, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HARIB	HARIB	010		IF		FB				
	HARIB	HESIK	020	IAF	TF		FB	2.0	042.0 (041T)	038.9	02100
	HARIB	EPOPY	030		TF		FB	1.0	046.5 (046T)	005.0	02100
	MAW	MAW	010		IF		FB				
	MAW	EPOPY	020		TF		FO	2.0	313.0 (312T)	016.4	02100
	MAW	EPOPY	030	IAF	HF	R	FO		136.5 (136T)	004.0	02100
	SOBAW	SOBAW	010		IF		FB				
	SOBAW	FODUM	020	IAF	TF		FB	2.0	184.9 (184T)	017.8	02100
	SOBAW	EPOPY	030		TF		FB	1.0	226.6 (226T)	005.0	02100
		EPOPY	010	FACF	IF		FB				02100
		ARZOH	020	FAF	TF		FB	0.5	136.5 (136T)	006.0	02100
		IZELU	021	SDF	TF		FB	0.3	136.6 (136T)	003.6	0092000941
		RW14	030	MAP	TF		FO	0.3	136.6 (136T)	001.9	00332

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JARKO	040		DF		FO	1.0			02100
	JARKO	050		HM	R	FO	2.0	316.7 (316T)	004.0	02100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MAW	N363318.41	W0895441.12	N3633.307	W08954.685
	ARZOH	N363957.40	W0900436.46	N3639.957	W09004.608
	EPOPY	N364416.11	W0900951.68	N3644.269	W09009.861
	FODUM	N364746.50	W0900525.18	N3647.775	W09005.420
	HARIB	N361126.08	W0904602.55	N3611.435	W09046.043
	HESIK	N364045.55	W0901417.78	N3640.759	W09014.296
	IZELU	N363724.30	W0900130.32	N3637.405	W09001.505
	JARKO	N362713.04	W0894910.28	N3627.217	W08949.171
	SOBAW	N370535.04	W0900355.33	N3705.584	W09003.922
	RW14	N363602.72	W0895951.27	N3636.045	W08959.855

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW14	00292		40

QUALITY
1
CHECKED

CITY AND STATE
MALDEN, MO

ELEVATION: 294 TDZE: 292
 AIRPORT NAME:
 MALDEN RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 14, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
CGI VOR/DME	CODED (FB)	211.55 / 29.83	2100	LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 2100 DIRECT DROSS AND HOLD.											
LEPER	ESAGE (FB)	132.63 / 26.43	2200												
MAW VORTAC	GOSTE (FO)	346.35 / 15.13	2100	ADDITIONAL FLIGHT DATA: HOLD S, RT, 001.62 INBOUND. CHART FAS OBST: 399 TREE 363655N/0895950W CHART FAS OBST: 404 TREE 363744N/0895905W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 1.01 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 78315 REFERENCE PATH ID: W18A CHART AIRPORT ELEV 294											
CODED (IAF)	GOSTE (NOPT) (FB)	271.68 / 5.00	2100												
ESAGE (IAF)	GOSTE (NOPT) (FB)	091.56 / 5.00	2100												
GOSTE (IF/IAF)	RASOE (FB)	181.62 / 6.05	2100												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N GOSTE, RT, 181.62 INBOUND, 2100 FT. IN LIEU OF PT (IAF) 3. FAC: 181.62 FAF: RASOE DIST FAF TO MAP: 5.45 THLD: 5.45 4. MIN. ALT: GOSTE 2100, RASOE 2100, CUBOP/1.60 NM TO RW18 840* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2100 GS ALT AT: RASOE OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR 8. MSA FROM: RW18 2300				MAG VAR: 1W EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒ X 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	544	1	250	544	1	250	544	1	250		NA				
LNAV/VNAV DA	669	1 1/4	375	669	1 1/4	375	669	1 1/4	375		NA				
LNAV MDA	660	1	366	660	1	366	660	1	366		NA				
CIRCLING	720	1	426	820	1	526	820	1 1/2	526		NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). SEE 8260-10															
CITY AND STATE		ELEVATION: 294 TDZE: 294		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
MALDEN, MO		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 18, AMDT 1				AMDT: ORIG-A					
		MALDEN RGNL				22 OCT 2009				DATED 06/05/2008					

QUALITY
CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING POPLAR BLUFF ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE POPLAR BLUFF ALTIMETER SETTING AND INCREASE ALL DA 50 FEET, ALL MDA 60 FEET, LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT MAW VORTAC VIA V9 SOUTHBOUND.

QUALITY
6
CHECKED

CITY AND STATE

MALDEN, MO

ELEVATION: 294 TDZE: 294

AIRPORT NAME:

MALDEN RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 1

22 OCT 2009

SUP:

AMDT: ORIG-A

DATED: 06/05/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 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	KMAW
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	363626.7800N
LTP/FTP LONGITUDE	0895936.1800W
LTP/FTP ELLIPSOIDAL HEIGHT	+00609
FPAP LATITUDE	363457.5700N
FPAP LONGITUDE	0895937.3800W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

5BB6DBF8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+00896
FPAP ORTHOMETRIC HEIGHT	+00896



CITY AND STATE MALDEN, MO	ELEVATION: 294 TDZE: 294	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1 22 OCT 2009	SUP:
	AIRPORT NAME: MALDEN RGNL			AMDT: ORIG-A
				DATED: 06/05/2008

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.

[illegible]

QUALITY
1
CHECK

CITY AND STATE MALDEN, MO	ELEVATION: 294 TDZE: 294 AIRPORT NAME: MALDEN RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1 22 OCT 2009	SUP:
				AMDT: ORIG-A
				DATED: 06/05/2008

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QUALITY
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PAGE 5 OF 6 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CGI	CGI	010		IF		FB				
	CGI	CODED	020	IAF	TF		FB	2.0	211.6 (211T)	029.8	02100
	CGI	GOSTE	030		TF		FB	1.0	271.7 (271T)	005.0	02100
	LEPER	LEPER	010		IF		FB				
	LEPER	ESAGE	020	IAF	TF		FB	2.0	132.6 (132T)	026.4	02200
	LEPER	GOSTE	030		TF		FB	1.0	091.6 (091T)	005.0	02100
	MAW	MAW	010		IF		FB				
	MAW	GOSTE	020		TF		FO	2.0	346.4 (345T)	015.1	02100
	MAW	GOSTE	030	IAF	HF	R	FO		181.6 (181T)	004.0	02100
		GOSTE	010	FACF	IF		FB				02100
		RASOE	020	PAF	TF		FB	0.5	181.6 (181T)	006.1	02100
		CUBOP	021	SDF	TF		FB	0.3	181.6 (181T)	003.9	0084000851
		RW18	030	MAP	TF		FO	0.3	181.6 (181T)	001.6	00339

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DROSS	040		DF		FO	1.0			02100
	DROSS	050		HM	R	FO	2.0	001.6 (001T)	004.0	02100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CGI	N371339.10	W0893420.60	N3713.652	W08934.343
	MAW	N363318.41	W0895441.12	N3633.307	W08954.685
	CODED	N364754.25	W0895313.37	N3647.904	W08953.223
	CUBOP	N363802.90	W0895934.89	N3638.048	W08959.582
	DROSS	N362406.34	W0895946.10	N3624.106	W08959.768
	ESAGE	N364800.75	W0900540.40	N3648.013	W09005.673
	GOSTE	N364757.66	W0895926.88	N3647.961	W08959.448
	LEPER	N370537.98	W0903016.11	N3705.633	W09030.269
	RASOE	N364154.02	W0895931.78	N3641.900	W08959.530
	RW18	N363626.78	W0895936.18	N3636.446	W08959.603

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW18	00294		45

CITY AND STATE
MALDEN, MO

ELEVATION: 294 TDZE: 294
 AIRPORT NAME:
MALDEN RGNL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18, AMDT 1
22 OCT 2009

SUP:
 AMDT: **ORIG-A**
 DATED: **06/05/2008**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
HELMS	WASKA (FB)	006.37 / 20.44	2100	LPV: DA LNAV/VNAV: DA LNAV: RW32								
LAKKR	FIVEK (FB)	234.07 / 37.10	2100									
MAW VORTAC	JARKO (FO)	144.81 / 7.53	2100	CLIMB TO 2100 DIRECT EPOPY AND HOLD.								
FIVEK (IAF)	JARKO (NOPT) (FB)	226.77 / 5.00	2100									
WASKA (IAF)	JARKO (NOPT) (FB)	046.69 / 5.00	2100	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 136.52 INBOUND. CHART FAS OBST: 399 TREE 363455N/0895757W FAS OBST: 484 AAO 363311N/0895513W DISTANCE TO THLD FROM 289 HAT: 0.78 NM. CHART VDP AT 1.28 MILES TO RW32* *LNAV ONLY. WAAS CHANNEL # 40410 REFERENCE PATH ID: W32A CHART TDZE 292 CHART AIRPORT ELEV 294								
JARKO (IF/IAF)	ILOSE (FB)	316.73 / 6.03	2100									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE JARKO, RT, 316.73 INBOUND, 2100 FT. IN LIEU OF PT (IAF) 3. FAC: <u>316.68</u> FAF: <u>ILOSE</u> DIST FAF TO MAP: <u>5.47</u> THLD: <u>5.47</u> 4. MIN. ALT: <u>JARKO 2100, ILOSE 2100</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2100</u> GS ALT AT: <u>ILOSE</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>41.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW32 2300</u>				MAG VAR: 1W EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF: <u> </u>	STANDARD ☒	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
LPV DA	581	1	289	581	1	289	581	1	289		NA	
LNAV/VNAV DA	698	1 1/2	406	698	1 1/2	406	698	1 1/2	406		NA	
LNAV MDA	740	1	448	740	1	448	740	1 1/4	448		NA	
CIRCLING	740	1	448	820	1	526	820	1 1/2	526		NA	
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE POPLAR BLUFF ALTIMETER SETTING AND INCREASE ALL DA 50 FEET, ALL MDA 60 FEET, INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS AND LNAV CAT SEE 8260-10												
CITY AND STATE		ELEVATION: 294 TDZE: 292		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP: RNAV (GPS) RWY 31				
MALDEN, MO		AIRPORT NAME: MALDEN RGNL				RNAV (GPS) RWY 32, AMDT 1		AMDT: ORIG-A				
						22 OCT 2009		DATED 06/05/2008				

QUALITY
6
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**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.**C VISIBILITIES 1/4 MILE.****CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) AND ABOVE 54C (130F).****CHART NOTE: BARO-VNAV AND VDP NA WHEN USING POPLAR BLUFF ALTIMETER SETTING.****CHART NOTE: PROCEDURE NA FOR ARRIVAL AT MAW VORTAC VIA V9 NORTHBOUND.**

QUALITY
6
CHECKED

CITY AND STATE

MALDEN, MO

ELEVATION: 294 TDZE: 292

AIRPORT NAME:

MALDEN RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 1

22 OCT 2009

SUP: RNAV (GPS) RWY 31

AMDT: ORIG-A

DATED: 06/05/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KMAW
RUNWAY RW32
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W32A
LTP/FTP LATITUDE 363527.3700N
LTP/FTP LONGITUDE 0895908.3800W
LTP/FTP ELLIPSOIDAL HEIGHT +00600
FPAP LATITUDE 363631.1400N
FPAP LONGITUDE 0900025.7700W
THRESHOLD CROSSING HEIGHT (TCH) 00041.0
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

46E8525F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +00887
FPAP ORTHOMETRIC HEIGHT +00887



CITY AND STATE
MALDEN, MO

ELEVATION: 294 TDZE: 292
AIRPORT NAME:
MALDEN RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 32, AMDT 1
22 OCT 2009

SUP: RNAV (GPS) RWY 31
AMDT: ORIG-A
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QUALITY
1
CHECKED

CITY AND STATE MALDEN, MO	ELEVATION: 294 TDZE: 292 AIRPORT NAME: MALDEN RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 22 OCT 2009	SUP: RNAV (GPS) RWY 31
				AMDT: ORIG-A
				DATED: 06/05/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMAWK3GRW32 0050013166 N36352737W089590838+0000 +0060000291000041080R												

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMAWK3PR32 RW32 001 0000W32A0N3635273700W08959083800+006000300N3636311400W09000257700106751224000410F40050046E8525F												
SUSAP	KMAWK3PR32 RW32 002E +00887+00887LPV 40410												

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMAWK3SRW32 K3PG 0 18018002325 M												

QUALITY
1
CHECKED

CITY AND STATE MALDEN, MO	ELEVATION: 294 TDZE: 292	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 22 OCT 2009	SUP: RNAV (GPS) RWY 32
	AIRPORT NAME: MALDEN RGNL			AMDT: ORIG-A
				DATED: 06/05/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HELMS	HELMS	010		IF		FB				
	HELMS	WASKA	020	IAF	TF		FB	2.0	006.4 (005T)	020.4	02100
	HELMS	JARKO	030		TF		FB	1.0	046.7 (046T)	005.0	02100
	LAKKR	LAKKR	010		IF		FB				
	LAKKR	FIVEK	020	IAF	TF		FB	2.0	234.1 (233T)	037.1	02100
	LAKKR	JARKO	030		TF		FB	1.0	226.8 (226T)	005.0	02100
	MAW	MAW	010		IF		FB				
	MAW	JARKO	020		TF		FO	2.0	144.8 (144T)	007.5	02100
	MAW	JARKO	030	IAF	HF	R	FO		316.7 (316T)	004.0	02100
		JARKO	010	FACF	IF		FB				02100
		ILOSE	020	FAF	TF		FB	0.5	316.7 (316T)	006.0	02100
		RW32	030	MAP	TF		FO	0.3	316.7 (316T)	005.5	00332

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EPOPY	040		DF		FO	1.0			02100
	EPOPY	050		HM	R	FO	2.0	136.5 (136T)	004.0	02100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MAW	N363318.41	W0895441.12	N3633.307	W08954.685
	EPOPY	N364416.11	W0900951.68	N3644.269	W09009.861
	FIVEK	N363042.66	W0894443.80	N3630.711	W08944.730
	HELMS	N360320.27	W0895558.47	N3603.338	W08955.975
	ILOSE	N363132.39	W0895423.68	N3631.540	W08954.395
	JARKO	N362713.04	W0894910.28	N3627.217	W08949.171
	LAKKR	N365307.51	W0890756.69	N3653.125	W08907.945
	WASKA	N362343.26	W0895336.36	N3623.721	W08953.606
	RW32	N363527.37	W0895908.38	N3635.456	W08959.140

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW32	00291		41

QUALITY
1
CHECKED

CITY AND STATE
MALDEN, MO

ELEVATION: 294 TDZE: 292
AIRPORT NAME:
MALDEN RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 32, AMDT 1
22 OCT 2009

SUP: RNAV (GPS) RWY 31
AMDT: ORIG-A
DATED: 06/05/2008

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 2100 DIRECT GOSTE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.62 INBOUND. CHART FAS OBST: 394 TREE 363510N/0895925W CHART FAS OBST: 394 TREE 363510N/0895902W CHART 884 TOWER 363042N/0895849W. DISTANCE TO THLD FROM 250 HAT: 0.65 NM. CHART VDP AT 1.01 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 93815 REFERENCE PATH ID: W36A CHART TDZE 293 CHART AIRPORT ELEV 294								
ARG VORTAC	CHRLS (FB)	067.82 / 45.01	2100									
DYR VORTAC	SHRRN (FB)	310.52 / 36.12	2100									
CHRLS (IAF)	DROSS (NOPT) (FB)	091.56 / 5.00	2100									
SHRRN (IAF)	DROSS (NOPT) (FB)	271.68 / 5.00	2100									
DROSS (IF/IAF)	VRNEL (FB)	001.62 / 6.05	2100									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S DROSS, RT, 001.62 INBOUND, 2100 FT. IN LIEU OF PT (IAF) 3. FAC: <u>001.62</u> FAF: <u>VRNEL</u> DIST FAF TO MAP: <u>5.45</u> THLD: <u>5.45</u> 4. MIN. ALT: <u>DROSS 2100, VRNEL 2100, ONCEP/1.60 NM TO RW36 820*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2100</u> GS ALT AT: <u>VRNEL</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>45.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW36 2300</u>				MAG VAR: 1W EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF:	☐ STANDARD	☒ 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
LPV DA	543	1	250	543	1	250	543	1	250		NA	
LNAV/VNAV DA	698	1 1/2	405	698	1 1/2	405	698	1 1/2	405		NA	
LNAV MDA	660	1	367	660	1	367	660	1	367		NA	
CIRCLING	720	1	426	820	1	526	820	1 1/2	526		NA	
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE POPLAR BLUFF ALTIMETER SETTING AND INCREASE ALL DA 50 FEET, ALL MDA 60 FEET AND LNAV CAT C VISIBILITY 1/4 MILE. SEE 8260-10												
CITY AND STATE			ELEVATION: 294 TDZE: 293		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:		
MALDEN, MO			AIRPORT NAME:		RNAV		RNAV (GPS) RWY 36, AMDT 1			AMDT: ORIG-A		
			MALDEN RGNL				22 OCT 2009			DATED 06/05/2008		

QUALITY
 6
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING POPLAR BLUFF ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ARG VORTAC AIRWAY RADIALS 016 CW 089.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT DYR VORTAC VIA V140 EASTBOUND.

QUALITY
6
CHECKED

CITY AND STATE

MALDEN, MO

ELEVATION: 294 TDZE: 293

AIRPORT NAME:

MALDEN RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 1

22 OCT 2009

SUP:

AMDT: ORIG-A

DATED: 06/05/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 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	KMAW
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	363537.2400N
LTP/FTP LONGITUDE	0895936.8500W
LTP/FTP ELLIPSOIDAL HEIGHT	+00603
FPAP LATITUDE	363706.4500N
FPAP LONGITUDE	0895935.6500W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

889F23E0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+00890
FPAP ORTHOMETRIC HEIGHT	+00890

QUALITY
6
CHECKED

CITY AND STATE MALDEN, MO	ELEVATION: 294 TDZE: 293 AIRPORT NAME: MALDEN RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 22 OCT 2009	SUP:
				AMDT: ORIG-A
				DATED: 06/05/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	ARG	K4011450VTHA	N36063595W090571323	N36063595W090571323E0040002602	NARWALNUT RIDGE								
SUSAD	DYR	K7011680VTLA	N36010678W089190369	N36010678W089190369E0030003891	NARDYERSBURG								

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	CHRLS	K30	W	N36240943W090055770	NAR	CHRLS							
SUSAEENRT	DROSS	K30	W	N36240634W089594610	NAR	DROSS							
SUSAEENRT	GOSTE	K30	W	N36475766W089592688	NAR	GOSTE							
SUSAEENRT	ONCEF	K30	W	N36340112W089593814	NAR	ONCEF							
SUSAEENRT	SHRRN	K30	W	N36240293W089533450	NAR	SHRRN							
SUSAEENRT	VRNEL	K30	W	N36300959W089594124	NAR	VRNEL							

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMAWK3AMAW	0	050YHN36355354W089593317W001000294	1800018000C	MNAR	MALDEN RGNL							

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMAWK3FR36	AARG	010ARG	K4D 0V	IF					18000		A JS	
SUSAP	KMAWK3FR36	AARG	020CHRLSK3EA0E	A 020TF		06780450	+	02100				A JS	
SUSAP	KMAWK3FR36	AARG	030DROSSK3EA0EE	010TF		09160050	+	02100				A JS	
SUSAP	KMAWK3FR36	ADROSS	010DROSSK3EA0EE	AR HF		00160040	+	02100		18000		A JS	
SUSAP	KMAWK3FR36	ADYR	010DYR	K7D 0V	IF					18000		A JS	
SUSAP	KMAWK3FR36	ADYR	020SHRRNK3EA0E	A 020TF		31050361	+	02100				A JS	
SUSAP	KMAWK3FR36	ADYR	030DROSSK3EA0EE	010TF		27170050	+	02100				A JS	
SUSAP	KMAWK3FR36	R	010DROSSK3EA0E	I IF			+	02100		18000		A JS	
SUSAP	KMAWK3FR36	R	020VRNELK3EA1E	F 051TF		00160061	+	02100			RW36	K3PGA JS	
SUSAP	KMAWK3FR36	R	020VRNELK3EA2WALPV	ALNAV/VNAV ALNAV								JS	
SUSAP	KMAWK3FR36	R	021ONCEPK3EA0E	S 031TF		00160039	V	0082000849		-300		A JS	
SUSAP	KMAWK3FR36	R	030RW36	K3PG0GY M 031TF		00160016		00337		-300		A JS	
SUSAP	KMAWK3FR36	R	040GOSTEK3EA0EYM	010DF			+	02100				A JS	
SUSAP	KMAWK3FR36	R	050GOSTEK3EA0EE	R020HM		18160040	+	02100				A JS	

QUALITY
1
CHECKED

CITY AND STATE MALDEN, MA	ELEVATION: 294 TDZE: 293	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 22 OCT 2009	SUP:
	AIRPORT NAME: MALDEN RGNL			AMDT: ORIG-A
				DATED: 06/05/2008

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QUALITY
1
CHECKED

SUP:	
AMDT:	ORIG-A
DATED:	06/05/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ARG	ARG	010		IF		FB				
	ARG	CHRLS	020	IAF	TF		FB	2.0	067.8 (067T)	045.0	02100
	ARG	DROSS	030		TF		FB	1.0	091.6 (091T)	005.0	02100
	DROSS	DROSS	010	IAF	HF	R	FO		001.6 (001T)	004.0	02100
	DYR	DYR	010		IF		FB				
	DYR	SHRRN	020	IAF	TF		FB	2.0	310.5 (310T)	036.1	02100
	DYR	DROSS	030		TF		FB	1.0	271.7 (271T)	005.0	02100
		DROSS	010	FACF	IF		FB				02100
		VRNEL	020	PAF	TF		FB	0.5	001.6 (001T)	006.1	02100
		ONCEF	021	SDF	TF		FB	0.3	001.6 (001T)	003.9	0082000849
		RW36	030	MAP	TF		FO	0.3	001.6 (001T)	001.6	00337

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GOSTE	040		DF		FO	1.0			02100
	GOSTE	050		HM	R	FO	2.0	181.6 (181T)	004.0	02100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ARG	N360635.95	W0905713.23	N3606.599	W09057.221
	DYR	N360106.78	W0891903.69	N3601.113	W08919.062
	CHRLS	N362409.43	W0900557.70	N3624.157	W09005.962
	DROSS	N362406.34	W0895946.10	N3624.106	W08959.768
	GOSTE	N364757.66	W0895926.88	N3647.961	W08959.448
	ONCEF	N363401.12	W0895938.14	N3634.019	W08959.636
	SHRRN	N362402.93	W0895334.50	N3624.049	W08953.575
	VRNEL	N363009.59	W0895941.24	N3630.160	W08959.687
	RW36	N363537.24	W0895936.85	N3635.621	W08959.614

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION
	TCH	
RW36	00292	45

QUALITY
1
CHECKED

CITY AND STATE MALDEN, MO	ELEVATION: 294 TDZE: 293	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 22 OCT 2009	SUP:
	AIRPORT NAME: MALDEN RGNL			AMD'T: ORIG-A
				DATED: 06/05/2008

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 14, 32, 18, 36, STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 32 – CLIMB HEADING 316.63 TO 900 BEFORE TURNING LEFT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 14, TREES 1619' FROM DER, 856' RIGHT OF CENTERLINE, 100' AGL/394' MSL.

NOTE: RWY 18, TREES 2744' FROM DER, 996' LEFT OF CENTERLINE, 100' AGL/394' MSL. TREES 2766' FROM DER, 1042' RIGHT OF CENTERLINE, 100' AGL/394' MSL.

NOTE: RWY 36, TREES 2841' FROM DER, 1157' LEFT OF CENTERLINE, 100' AGL/399' MSL.

(4) CONTROLLING OBSTACLES:

RWY 32: 1068' MSL TOWER 363511.00N/0900405.00W

(5) City, State

MALDEN, MO

(6) Airport

MALDEN RGNL

(7) Effective Date

22 OCT 2009

(8) Amdt. No.

ORIG

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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					MISSED APPROACH										
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: 4.18 MILES AFTER MAW VORTAC OR AT MAW 4.18 DME FIX CLIMBING RIGHT TURN TO 2100 DIRECT MAW VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 298.00 INBOUND. FAS OBST: 484 AAO 363311N/0895513W CHART: 479 TOWER 363414N/0895632W CHART MAW R-198 AT OPSEE. CHART MAW R-019 AT TAXOE. MAW VORTAC TO RW32: 3.08/41. CHART VDP AT 2.9 DME; DISTANCE VDP TO THLD 1.28 MILES. CHART AIRPORT ELEV 294 CHART TDZE 292											
TAXOE/7.00 DME CW (IAF)	NUGLE/7.00 DME (NOPT)	7.00 DME ARC	2100												
OPSEE/7.00 DME CCW (IAF)	NUGLE/7.00 DME (NOPT)	7.00 DME ARC	2100												
NUGLE/7.00 DME (IF)	MAW VORTAC	297.91 / 7.00	1700												
1. PT <u>L</u> SIDE OF COURSE <u>117.91</u> OUTBOUND <u>2100</u> FT WITHIN <u>10</u> MILES OF <u>MAW VORTAC</u> (IAF) 2. _____ 3. FAC <u>297.91</u> FAF <u>MAW VORTAC</u> DIST FAF TO MAP <u>4.18</u> THLD <u>4.18</u> 4. MIN. ALT <u>MAW VORTAC 1700</u> 8. MSA FROM: <u>MAW VORTAC 2300</u>					MAG VAR: 3E EPOCH YEAR: 1980										
MINIMUMS															
TAKEOFF: ☐	STANDARD ☒	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-32	740	1	448	740	1	448	740	1 1/4	448		NA				
CIRCLING	740	1	446	820	1	526	820	1 1/2	526		NA				
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE POPLAR BLUFF ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND S-32 CAT C VISIBILITY 1/4 MILE.															
CITY AND STATE MALDEN, MO		ELEVATION: 294 TDZE: 292 AIRPORT NAME: MALDEN RGNL		FACILITY IDENTIFIER: MAW		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 32, AMDT 9 22 OCT 2009				SUP VOR RWY 31					
										AMDT 8A					
										DATE 06/05/2008					

VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - FAR PART 97.23

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CITY AND STATE

MALDEN, MO

ELEVATION: 294 TDZE: 292

AIRPORT NAME:

MALDEN RGNL

FACILITY
IDENTIFIER:

MAW

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 32, AMDT 9

22 OCT 2009

SUP: VOR RWY 31

AMDT: 8A

DATED: 06/05/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97.23

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: WIPIM/MAW 4.98 DME											
MAW VORTAC POLIE/16.51 DME (IF/IAF)	POLIE/16.51 DME	300.33 / 16.51	2200	CLIMB TO 2200 DIRECT MAW VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2200.											
	CANOD/10.50 DME	120.33 / 6.01 (MAW R-300)	2100												
				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 300.33 INBOUND. CHART FAS OBST: 399 TREE 363655N/0895950W CHART 560 TREE 363621N/0900333W CANOD TO RW14: 3.02/40. CHART AIRPORT ELEV 294 CHART VDP AT 6.00 DME; DISTANCE VDP TO THLD 1.02 MILES.											
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW POLIE, RT, 120.33 INBOUND, 2200 FT. IN LIEU OF PT (IAF) 3. FAC <u>120.33</u> FAF <u>CANOD/10.50 DME</u> DIST FAF TO MAP <u> </u> THLD <u>5.52</u> 4. MIN. ALT <u>POLIE 2200, CANOD 2100, LYDDR/7.30 DME 1000</u> 8. MSA FROM: <u>MAW VORTAC 2300</u>								MAG VAR: 3E	EPOCH YEAR: 1980						
MINIMUMS															
TAKEOFF: <u> </u>	STANDARD ☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A ☒										
CATEGORY <u>=====</u>	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-14	660	1	368	660	1	368	660	1	368		NA				
CIRCLING	720	1	426	820	1	526	820	1 1/2	526		NA				
NOTES:															
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE POPLAR BLUFF ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND S-14 CAT C VISIBILITY 1/4 MILE.															
CHART NOTE: VDP NA WHEN USING POPLAR BLUFF ALTIMETER SETTING.															
															
CITY AND STATE MALDEN, MO		ELEVATION: 294 TDZE: 292 AIRPORT NAME: MALDEN RGNL		FACILITY IDENTIFIER: MAW		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 14, AMDT 1 22 OCT 2009				SUP VOR/DME RWY 13		AMDT ORIG-A		DATE 06/05/2008	

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
DILGE (IAF)	WADIS (NOPT) (FB)	274.86 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 3000 DIRECT OKDAE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 004.79 INBOUND. CHART FAS OBST: 535 TREE 324855N/0890721W CHART FAS OBST: 599 TREE 325235N/0890736W CHART 619 TREE 325303N/0890745W. DISTANCE TO THLD FROM 320 HAT: 0.90 NM. CHART VDP AT 1.48 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 78115 REFERENCE PATH ID: W18A
KUTEC (IAF)	WADIS (NOPT) (FB)	094.76 / 5.00	3000	
WADIS (IF/IAF)	RENNO (FB)	184.81 / 6.01	2100	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N WADIS, RT, 184.81 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 184.80 FAF: RENNO DIST FAF TO MAP: 4.99 THLD: 4.99
- MIN. ALT: WADIS 3000, RENNO 2100
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2100 GS ALT AT: RENNO OM: MM: IM:
- GS ANGLE: 3.00 TCH: 47.4 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 1E

EPOCH YEAR: 1990

MINIMUMS

TAKEOFF:		STANDARD	X	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	774	1 1/4	320	774	1 1/4	320	774	1 1/4	320	774	1 1/4	320			
LNAV/VNAV DA	850	1 1/2	396	850	1 1/2	396	850	1 1/2	396	850	1 1/2	396			
LNAV MDA	960	1	506	960	1	506	960	1 1/2	506	960	1 1/2	506			
CIRCLING	1060	1	602	1060	1	602	1060	1 3/4	602	1060	2	602			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KEY FIELD ALTIMETER SETTING AND SEE 8260-10

CITY AND STATE	ELEVATION: 458 TDZE: 454	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PHILADELPHIA, MS	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 18, AMDT 1	AMDT: ORIG-A
	PHILADELPHIA MUNI		22 OCT 2009	DATED 08/28/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

INCREASE ALL DA 101 FEET AND ALL MDA 120 FEET AND INCREASE LPV ALL CATS, LNAV CAT C AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE, INCREASE LNAV/VNAV ALL CATS, LNAV CAT D VISIBILITY 1/2 MILE.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING KEY FIELD ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	095/30 CW 275/30 (NOPT)	WADIS (IF/AF) (FB)	3000
2.	275/30 CW 005/30	DILGE (IAF) (FB)	3000
3.	005/30 CW 095/30	KUTEC (IAF) (FB)	3000

QUALITY
CHECKED

CITY AND STATE

PHILADELPHIA, MS

ELEVATION: 458 TDZE: 454

AIRPORT NAME:

PHILADELPHIA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 1

22 OCT 2009

SUP:

AMDT: ORIG-A

DATED: 08/28/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KMPE
RUNWAY RW18
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W18A
REFERENCE PATH IDENTIFIER (APPROACH ID) 324821.7770N
LTP/FTP LATITUDE 0890730.6310W
LTP/FTP LONGITUDE +01063
LTP/FTP ELLIPSOIDAL HEIGHT 324652.9600N
FPAP LATITUDE 0890741.3100W
FPAP LONGITUDE 00047.4
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 1224
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

5442EA23

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +01342
FPAP ORTHOMETRIC HEIGHT +01342

CITY AND STATE

PHILADELPHIA, MS

ELEVATION: 458 TDZE: 454

AIRPORT NAME:

PHILADELPHIA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 1

22 OCT 2009

SUP:

AMDT: ORIG-A

DATED: 08/28/2008

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.

[illegible][illegible][illegible][illegible][illegible]

1
CHECKED

PAGE 4 OF 5 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	DILGE	DILGE	010	IAF	IF		FB				
	DILGE	WADIS	020		TF		PB	1.0	274.9(276T)	005.0	03000
	KUTEC	KUTEC	010	IAF	IF		FB				
	KUTEC	WADIS	020		TF		FB	1.0	094.8(096T)	005.0	03000
	WADIS	WADIS	010	IAF	HF	R	FO		184.8(186T)	004.0	03000
		WADIS	010	PACF	IF		FB				03000
		RENNO	020	FAF	TF		FB	0.5	184.8(186T)	006.0	02100
		RW18	030	MAP	TF		FO	0.3	184.8(186T)	005.0	00487

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	OKDAE	040		DF		FO	1.0			03000
	OKDAE	050		HM	R	FO	2.0	004.8(006T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DILGE	N325849.11	W0890016.53	N3258.819	W08900.276
	KUTEC	N325949.97	W0891206.20	N3259.833	W08912.103
	OKDAE	N323634.61	W0890855.51	N3236.577	W08908.925
	RENNO	N325320.43	W0890654.68	N3253.341	W08906.911
	WADIS	N325919.68	W0890611.33	N3259.328	W08906.189
	RW18	N324821.78	W0890730.63	N3248.363	W08907.511

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW18	00440		47

CITY AND STATE
 PHILADELPHIA, MS

ELEVATION: 458 TDZE: 454
 AIRPORT NAME:
 PHILADELPHIA MUNI

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 18, AMDT 1
 22 OCT 2009

SUP:
 AMDT: ORIG-A
 DATED: 08/28/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
PUDDO (IAF)	OKDAE (NOPT) (FB)	094.74 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 3000 DIRECT WADIS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 184.81 INBOUND. CHART FAS OBST: 790 TOWER 324235N/0890833W CHART FAS OBST: 733 TOWER 324603N/0890655W DISTANCE TO THLD FROM 380 HAT: 1.06 NM. CHART VDP AT 1.70 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 48915 REFERENCE PATH ID: W36A
ETEBE (IAF)	OKDAE (NOPT) (FB)	274.84 / 5.00	3000	
OKDAE (IF/IAF)	FISDU (FB)	004.79 / 6.04	2100	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S OKDAE, RT, 004.79 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 004.79 FAF: FISDU DIST FAF TO MAP: 4.96 THLD: 4.96
- MIN. ALT: OKDAE 3000, FISDU 2100
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2100 GS ALT AT: FISDU OM: MM: IM:
- GS ANGLE: 3.00 TCH: 42.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 1E EPOCH YEAR: 1990

MINIMUMS

TAKEOFF:		STANDARD	X	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		838	1 1/4	380	838	1 1/4	380	838	1 1/4	380	838	1 1/4	380			
LNAV/VNAV DA		1107	2 1/4	649	1107	2 1/4	649	1107	2 1/4	649	1107	2 1/4	649			
LNAV MDA		1040	1	582	1040	1	582	1040	1 1/2	582	1040	1 3/4	582			
CIRCLING		1060	1	602	1060	1	602	1060	1 3/4	602	1060	2	602			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KEY FIELD ALTIMETER SETTING AND SEE 8260-10



CITY AND STATE PHILADELPHIA, MS	ELEVATION: 458 TDZE: 458 AIRPORT NAME: PHILADELPHIA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 22 OCT 2009	SUP: AMDT: ORIG-B DATED 08/28/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

INCREASE ALL DA 101 FEET AND ALL MDA 120 FEET AND INCREASE LPV, LNAV/VNAV ALL CATS, LNAV CATS C AND D VISIBILITY 1/2 MILE, INCREASE CIRCLING CATS C AND D VISIBILITY 1/4 MILE.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING KEY FIELD ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	275/30 CW 095/30 (NOPT)	OKDAE (IF/IAF) (FB)	3000
2.	095/30 CW 185/30	PUDDO (IAF) (FB)	3000
3.	185/30 CW 275/30	ETEBE (IAF) (FB)	3000



CITY AND STATE

PHILADELPHIA, MS

ELEVATION: 458 TDZE: 458

AIRPORT NAME:

PHILADELPHIA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 1

22 OCT 2009

SUP:

AMDT: ORIG-B

DATED: 08/28/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMPE
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	324732.5495N
LTP/FTP LONGITUDE	0890736.5485W
LTP/FTP ELLIPSOIDAL HEIGHT	+01117
FPAP LATITUDE	324901.3700N
FPAP LONGITUDE	0890725.8700W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER D34F07DD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01396
FPAP ORTHOMETRIC HEIGHT	+01396

CITY AND STATE
PHILADELPHIA, MS

ELEVATION: 458 TDZE: 458
AIRPORT NAME:
PHILADELPHIA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, AMDT 1
22 OCT 2009

SUP:
AMDT: ORIG-B
DATED: 08/28/2008

QUALITY
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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMPEK7FR36	AETEBE	010ETEBEK7EA0E	A	IF					18000		A	JS
SUSAP	KMPEK7FR36	AETEBE	020OKDAEK7EA0EE		010TF		27480050	+	03000			A	JS
SUSAP	KMPEK7FR36	AOKDAE	010OKDAEK7EA0EE	AR	HF		00480040	+	03000	18000		A	JS
SUSAP	KMPEK7FR36	APUDDO	010PUDDOK7EA0E	A	IF					18000		A	JS
SUSAP	KMPEK7FR36	APUDDO	020OKDAEK7EA0EE		010TF		09470050	+	03000			A	JS
SUSAP	KMPEK7FR36	R	010OKDAEK7EA0E	I	IF			+	03000	18000		A	JS
SUSAP	KMPEK7FR36	R	020FISDUK7EA1E	F	051TF		00480060	+	02100			A	JS
SUSAP	KMPEK7FR36	R	020FISDUK7EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KMPEK7FR36	R	030RW36	K7PGOGY	M	031TF		00480050		00500	-300	A	JS
SUSAP	KMPEK7FR36	R	040WADISK7EA0EYM		010DF				+	03000		A	JS
SUSAP	KMPEK7FR36	R	050WADISK7EA0EE		R020HM		18460040	+	03000			A	JS

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QUALITY
1
CHECKED

CITY AND STATE PHILADELPHIA, MS	ELEVATION: 458 TDZE: 458 AIRPORT NAME: PHILADELPHIA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 22 OCT 2009	SUP:	
				AMDT:	ORIG-B
				DATED:	08/28/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ETEBE	ETEBE	010	IAF	IF		FB				
	ETEBE	OKDAE	020		TF		FB	1.0	274.8 (276T)	005.0	03000
	OKDAE	OKDAE	010	IAF	HF	R	FO		004.8 (006T)	004.0	03000
	PUDDO	PUDDO	010	IAF	IF		FB				
	PUDDO	OKDAE	020		TF		FB	1.0	094.7 (096T)	005.0	03000
		OKDAE	010	FACF	IF		FB				03000
		FISDU	020	FAF	TF		FB	0.5	004.8 (006T)	006.0	02100
		RW36	030	MAP	TF		FO	0.3	004.8 (006T)	005.0	00500

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WADIS	040		DF		FO	1.0			03000
	WADIS	050		HM	R	FO	2.0	184.8 (186T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ETEBE	N323604.15	W0890302.20	N3236.069	W08903.037
	FISDU	N324236.14	W0890812.16	N3242.602	W08908.203
	OKDAE	N323634.61	W0890855.51	N3236.577	W08908.925
	PUDDO	N323704.80	W0891448.89	N3237.080	W08914.815
	WADIS	N325919.68	W0890611.33	N3259.328	W08906.189
	RW36	N324732.55	W0890736.55	N3247.543	W08907.609

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW36	00458		42

QUALITY
1
CHECKED

CITY AND STATE
PHILADELPHIA, MS

ELEVATION: 458 TDZE: 458
 AIRPORT NAME:
 PHILADELPHIA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 36, AMDT 1
 22 OCT 2009

SUP:
 AMDT: ORIG-B
 DATED: 08/28/2008

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:
RWY 18, 36, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, TREES BEGINNING 35' FROM DER, 58' LEFT OF CENTERLINE AND 276' RIGHT OF CENTERLINE, UP TO 100' AGL/585' MSL.

NOTE: RWY 36, TREES BEGINNING 184' FROM DER, 370' RIGHT OF CENTERLINE, UP TO 75' AGL/494' MSL. TREES BEGINNING 2500' FROM DER, 51' RIGHT OF CENTERLINE 136' AGL/535 MSL.

(4) CONTROLLING OBSTACLES:



(5) City, State

PHILADELPHIA, MS

(6) Airport

PHILADELPHIA MUNI

(7) Effective Date

22 OCT 2009

(8) Amdt. No.

2

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
GSO VORTAC	JEVEN INT/I-LLG 12.48 DME	241.11 / 8.19	2600	ILS: DA LOC: 4.74 MILES AFTER CIVES INT/LLG 6.37 DME OR AT I-LLG 1.64 DME FIX CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3100 VIA HEADING 330 AND GSO VORTAC R-360 TO MAYOS INT/GSO 16.86 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3100 VIA HEADING 360 AND LIB VORTAC R-332 TO MAYOS INT/LIB 36.06 DME AND HOLD NW, RT, 151.93 INBOUND. ADDITIONAL FLIGHT DATA: HOLD N, LT, 179.69 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NW MAYOS INT/LIB 36.06 DME, RT, 151.93 INBOUND. CHART FAS OBST: 1013 BLDG 360507N/0795819W CHART 1051 TWR 360233N/0800108W. CHART: LOC RWY 5R CHART IN PLANVIEW: LIB VORTAC R-332 CHART NOTE IN PLANVIEW: USE OF GSO R-241 AND LIB R-295 MAY BE NECESSARY TO LOCATE JEVEN INTERSECTION CHART VDP AT 2.60 DME; DISTANCE VDP TO THLD 0.97 MILES.
LIB VORTAC	JEVEN INT/I-LLG 12.48 DME	294.58 / 26.53	3700	
JEVEN INT/I-LLG 12.48 DME (IF/IAF)	CIVES INT/I-LLG 6.37 DME	053.98 / 6.10 (I-LLG)	2500	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW JEVEN, RT, 053.98 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
- FAC: 053.98 FAF: CIVES INT/I-LLG 6.37 DME DIST FAF TO MAP: 4.74 THLD: 4.74
- MIN. ALT: JEVEN 2500, CIVES 2500
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: 868 GS ANT: 1186
- MIN GS INCPT: 2500 GS ALT AT: CIVES INT/I-LLG 6.37 DME 2500 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 55.0
- MSA FROM: GSO VORTAC 4100

MAG VAR: 8W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	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	VS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 5L	1117	1800	200	1117	1800	200	1117	1800	200	1117	1800	200			
S-LOC 5L	1280	2400	363	1280	2400	363	1280	2400	363	1280	4000	363			
CIRCLING	1440	1	514	1440	1	514	1440	1 1/2	514	1480	2	554			

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 5L: CAT A, B, C, D. RA 113, RVR 1200, DA 1017 MSL, HAT/HAT 100.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 5L: CAT IIIA RVR; 700; CAT A, B, C, D. CAT IIIB RVR 600; CAT A, B, C, D. CAT IIIC NA.
CHART PLANVIEW NOTE: DME OR RADAR REQUIRED FOR PROCEDURE ENTRY AT LIB VORTAC.

CITY AND STATE GREENSBORO, NC	ELEVATION: 926 TDZE: 917 AIRPORT NAME: PIEDMONT TRIAD INTL	FACILITY IDENTIFIER: I-LLG	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 5L, ORIG ILS RWY 5L (CAT II), ILS RWY 5L (CAT III) 22 OCT 2009	SUP: AMDT: NONE DATED

QUALITY
&
CHECKED

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29**

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
LIB VORTAC	PAGAN INT/I-LZY 7.51 DME/RADAR	305.31 / 23.98	3700	ILS: DA LOC: 5.71 MILES AFTER PAGAN INT/LZY 7.51 DME/RADAR OR AT I-LZY 1.80 DME FIX
GSO VORTAC	PAGAN INT/I-LZY 7.51 DME/RADAR	247.00 / 2.85	2900	CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 3000 VIA HEADING 139.45 AND GSO VORTAC R-108 TO KIMES INT/GSO 18.81 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 3700 DIRECT LIB VORTAC AND HOLD NE, RT, 236.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD E, RT, 288.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NE LIB VORTAC, RT, 236.00 INBOUND. CHART FAS OBST: 1050 TOWER 360233N/0800118W CHART: 1142 TOWER 360105N/0800324W CHART VDP AT 2.84 DME:

1.	PT	L	SIDE OF COURSE	233.99	OUTBOUND	2900	FT WITHIN	10	MILES OF	PAGAN	(IAF)	
2.												
3.	FAC:	053.99	FAF:	PAGAN INT/I-LZY 7.51	DME/RADAR	DIST FAF TO MAP:			5.71	THLD:	5.71	
4.	MIN. ALT:	PAGAN 2800										
5.	DIST TO THLD FROM OM:	-	MM:	-	IM:	-	150	HAT:	-	100	HAT: 903	GS ANT: 1000
6.	MIN GS INCPT:	2800	GS ALT AT:	PAGAN INT/I-LZY 7.51	DME/RADAR CONT.	OM:	-	MM:	-	IM:	-	
7.	GS ANGLE:	3.00	TCH:	53.2								
8.	MSA FROM:	GSO VORTAC 4100										

MAG VAR: 8W EPOCH YEAR: 2010

[illegible]

DATED 01/15/2009

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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LINE 6 GS ALT AT CONT. 2800

NOTES CONT.

CHART PROFILE NOTE: VGS1 AND ILS GLIDEPATH NOT COINCIDENT.

CHART NOTE: *RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.

QUALITY
1
CHECKED

CITY AND STATE
GREENSBORO, NC

ELEVATION: 926 TDZE: 900
AIRPORT NAME:
PIEDMONT TRIAD INTL

FACILITY
IDENTIFIER:
ILZY

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 5R, AMDT 7
ILS RWY 5R (CAT II)
22 OCT 2009

SUP:
AMDT: 6
DATED: 01/15/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
GSO VORTAC	HEVED INT/I-DB 7.49 DME	039.35 / 10.30	3100	ILS: DA LOC: 5.84 MILES AFTER HEVED INT/I-DB 7.49 DME OR AT I-DB 1.65 DME FIX	
LIB VORTAC	HEVED INT/I-DB 7.49 DME	335.62 / 25.15	3100	CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3100 VIA HEADING 015 AND GSO VORTAC R-360 TO MAYOS INT/GSO 16.86 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3100 VIA HEADING 025 AND LIB VORTAC R-332 TO MAYOS INT/LIB 36.06 DME AND HOLD NW, RT, 151.93 INBOUND.	
				ADDITIONAL FLIGHT DATA: HOLD N, LT, 179.69 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NW MAYOS INT/LIB 36.06 DME, RT, 151.93 INBOUND. CHART FAS OBST: 951 TREE 360733N/0795548W CHART: LOC RWY 23L CHART PLANVIEW NOTE: USE OF GSO R-039 AND LIB R-336 MAY BE NECESSARY TO LOCATE HEVED INTERSECTION. CHART VDP AT 2.62 DME; DISTANCE VDP TO THLD 0.97 MILES.	
1. PT <u>L</u> SIDE OF COURSE <u>053.99</u> OUTBOUND <u>3100</u> FT WITHIN <u>10</u> MILES OF <u>HEVED</u> (IAF) 2. 3. FAC: <u>233.99</u> FAF: <u>HEVED INT/I-DB 7.49 DME</u> DIST FAF TO MAP: <u>5.84</u> THLD: <u>5.84</u> 4. MIN. ALT: <u>HEVED 2800</u> 5. DIST TO THLD FROM OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1012</u> 6. MIN GS INCPT: <u>2800</u> GS ALT AT: <u>HEVED INT/I-DB 7.49 DME 2800</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 8. MSA FROM: <u>GSO VORTAC 4100</u>					
				MAG VAR: <u>8W</u> EPOCH YEAR: <u>2010</u>	

MINIMUMS															
TAKEOFF:	STANDARD	X	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 23R	1056	2400	200	1056	2400	200	1056	2400	200	1056	2400	200			
S-LOC 23R	1220	2400	364	1220	2400	364	1220	2400	364	1220	4000	364			
CIRCLING	1440	1	514	1440	1	514	1440	1 1/2	514	1480	2	554			

NOTES:

QUALITY
CHECKED

CITY AND STATE GREENSBORO, NC	ELEVATION: 926 TDZE: 856	FACILITY IDENTIFIER: I-DB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 23R, ORIG 22 OCT 2009	SUP:
	AIRPORT NAME: PIEDMONT TRIAD INTL			AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
WAKIM (IAF)	JEVEN (NOPT) (FB)	143.84 / 5.00	2900	LPV: DA LNAV/VNAV: DA LNAV: RW05L CLIMB TO 2800 DIRECT TUPUE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 234.09 INBOUND. CHART FAS OBST: 980 ANT 360459N/0795749W CHART FAS OBST: 1019 TREE 360626N/0795738W CHART 1189 TOWER 360508N/0800034W. DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.03 MILES TO RW05L *LNAV ONLY. WAAS CHANNEL # 86515 REFERENCE PATH ID: W05B
NUMUE (IAF)	JEVEN (NOPT) (FB)	323.92 / 5.00	2900	
JEVEN (IF/IAF)	CIVES (FB)	053.88 / 6.10	2500	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW JEVEN, RT, 053.88 INBOUND, 2900 FT. IN LIEU OF PT (IAF)
- FAC: 053.94 FAF: CIVES DIST FAF TO MAP: 4.74 THLD: 4.74
- MIN. ALT: JEVEN 2900, CIVES 2500, CONLO/2.00 NM TO RW05L 1600*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCP: 2500 GS ALT AT: CIVES OM: MM: IM:
- GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 8W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:	STANDARD	X	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	1117	2400	200	1117	2400	200	1117	2400	200	1117	2400	200				
LNAV/VNAV DA	1367	5000	450	1367	5000	450	1367	5000	450	1367	5000	450				
LNAV MDA	1300	2400	383	1300	2400	383	1300	2400	383	1300	5000	383				
CIRCLING	1440	1	514	1440	1	514	1440	1 1/2	514	1480	2	554				

NOTES:
 CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV CAT D VISIBILITY TO RVR 6000.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 *LNAV ONLY

QUALITY
CHECKED

CITY AND STATE GREENSBORO, NC	ELEVATION: 926 TDZE: 917 AIRPORT NAME: PIEDMONT TRIAD INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5L, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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TAA

	FROM	TO	ALT
1.	324/30 CW 144/30 (NOPT)	324/12 CW 144/12	4100
	324/12 CW 144/12	JEVEN (IF/IAF) (FB)	2900
2.	144/30 CW 234/30	144/15 CW 234/15	4200
	144/15 CW 234/15	WAKIM (IAF) (FB)	2900
3.	234/30 CW 324/30	234/7 CW 324/7	3700
	234/7 CW 324/7	NUMUE (IAF) (FB)	2900

QUALITY
CHECKED

CITY AND STATE
GREENSBORO, NC

ELEVATION: 926 TDZE: 917
AIRPORT NAME:
PIEDMONT TRIAD INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5L, ORIG
22 OCT 2009

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KGSO
RUNWAY RW05L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W05B
LTP/FTP LATITUDE 360557.3200N
LTP/FTP LONGITUDE 0795732.5800W
LTP/FTP ELLIPSOIDAL HEIGHT +02477
FPAP LATITUDE 360659.3900N
FPAP LONGITUDE 0795613.4100W
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 0008
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

002E757C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +02793
FPAP ORTHOMETRIC HEIGHT +02793

QUALITY
3
CHECKED

CITY AND STATE GREENSBORO, NC	ELEVATION: 926 TDZE: 917 AIRPORT NAME: PIEDMONT TRIAD INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5L, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KGSOK7FR05L	AJEVEN	010JEVENK7EA0EE	AR	HF		05390040		+ 02900	18000			A JS	
SUSAP KGSOK7FR05L	ANUMUE	010NUMUEK7EA0E	A	IF					18000			A JS	
SUSAP KGSOK7FR05L	ANUMUE	020JEVENK7EA0EE	010TF			32390050		+ 02900				A JS	
SUSAP KGSOK7FR05L	AWAKIM	010WAKIMK7EA0E	A	IF					18000			A JS	
SUSAP KGSOK7FR05L	AWAKIM	020JEVENK7EA0EE	010TF			14380050		+ 02900				A JS	
SUSAP KGSOK7FR05L	R	010JEVENK7EA0E	I	IF				+ 02900	18000			A JS	
SUSAP KGSOK7FR05L	R	020CIVESK7EA1E	F	051TF		05390061		+ 02500				A JS	
SUSAP KGSOK7FR05L	R	020CIVESK7EA2WALPV			ALNAV/VNAV							JS	
SUSAP KGSOK7FR05L	R	021CONLOK7EA0E	S	031TF		05390027		V 0160001613		-300		A JS	
SUSAP KGSOK7FR05L	R	030RW05LK7PG0GY	M	031TF		05390020		00972		-300		A JS	
SUSAP KGSOK7FR05L	R	040TUPUEK7EA0EYM	010DF					+ 02800				A JS	
SUSAP KGSOK7FR05L	R	050TUPUEK7EA0EE	R020HM			23410040		+ 02800				A JS	

QUALITY
1
CHECKED

FAA FORM 8260-10 / MARCH 2003 (Computer Generated) PAGE 4 OF 6 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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

SUSAP KGSOK7PR05L	RW05L001	0000W05B0N3605573200W07957325800+024770300N3606593900W07956134100106750008000550F400350002E757C											
SUSAP KGSOK7PR05L	RW05L002E	+02793+02793LPV	86515										

QUALITY
1
CHECKED

CITY AND STATE GREENSBORO, NC	ELEVATION: 926 TDZE: 917 AIRPORT NAME: PIEDMONT TRIAD INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5L, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JEVEN	JEVEN	010	IAF	HF	R	FO		053.9 (046T)	004.0	02900
	NUMUE	NUMUE	010	IAF	IF		FB				
	NUMUE	JEVEN	020		TF		FB	1.0	323.9 (316T)	005.0	02900
	WAKIM	WAKIM	010	IAF	IF		FB				
	WAKIM	JEVEN	020		TF		FB	1.0	143.8 (136T)	005.0	02900
		JEVEN	010	FACF	IF		FB				02900
		CIVES	020	FAF	TF		FB	0.5	053.9 (046T)	006.1	02500
		CONLO	021	SDF	TF		FB	0.3	053.9 (046T)	002.7	0160001613
		RW05L	030	MAP	TF		FO	0.3	053.9 (046T)	002.0	00972

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	TUPUE	040		DF		FO	1.0			02800
	TUPUE	050		MM	R	FO	2.0	234.1 (226T)	004.0	02800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIVES	N360239.44	W0800144.63	N3602.657	W08001.744
	CONLO	N360433.80	W0795919.03	N3604.563	W07959.317
	JEVEN	N355824.31	W0800708.79	N3558.405	W08007.147
	NUMUE	N355448.55	W0800251.68	N3554.809	W08002.861
	TUPUE	N361517.14	W0794536.64	N3615.286	W07945.611
	WAKIM	N360159.91	W0801126.29	N3601.999	W08011.438
	RW05L	N360557.32	W0795732.58	N3605.955	W07957.543

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05L	00917	55

QUALITY
7
CHECKED

CITY AND STATE GREENSBORO, NC	ELEVATION: 926 TDZE: 917	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5L, ORIG 22 OCT 2009	SUP:
	AIRPORT NAME: PIEDMONT TRIAD INTL			AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
COLKI (IAF)	TUPUE (NOPT) (FB)	324.05 / 5.00	2800	LPV: DA LNAV/VNAV: DA LNAV: RW23R CLIMB TO 2500 DIRECT JEVEN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 053.88 INBOUND. CHART FAS OBST: 1046 TOWER 360903N/0795445W CHART FAS OBST: 975 TREE 360718N/0795505W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.35 MILES TO RW23R* *LNAV ONLY. WAAS CHANNEL # 90315 REFERENCE PATH ID: W23B											
HEROR (IAF)	TUPUE (NOPT) (FB)	144.05 / 5.00	2800												
TUPUE (IF/IAF)	HEVED (FB)	234.09 / 6.10	2800												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE TUPUE, RT, 234.09 INBOUND, 2800 FT. IN LIEU OF PT (IAF) 3. FAC: 234.04 FAF: HEVED DIST FAF TO MAP: 5.84 THLD: 5.84 4. MIN. ALT: TUPUE 2800, HEVED 2800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2800 GS ALT AT: HEVED 2800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR 8. MSA FROM: _____				MAG VAR: 8W EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒ X 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	1056	2400	200	1056	2400	200	1056	2400	200	1056	2400	200			
LNAV/VNAV DA	1405	1 1/2	549	1405	1 1/2	549	1405	1 1/2	549	1405	1 1/2	549			
LNAV MDA	1340	2400	484	1340	2400	484	1340	4000	484	1340	5000	484			
CIRCLING	1440	1	514	1440	1	514	1440	1 1/2	514	1480	2	554			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA.															
CITY AND STATE		ELEVATION: 926 TDZE: 856		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
GREENSBORO, NC		AIRPORT NAME: PIEDMONT TRIAD INTL				RNAV (GPS) RWY 23R, ORIG				AMDT: NONE					
						22 OCT 2009				DATED					

QUALITY
3
CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	144/30 CW 324/30 (NOPT)	144/15 CW 324/15	3600
	144/15 CW 324/15	TUPUE (IF/IAF) (FB)	2800
2.	324/30 CW 054/30	324/10 CW 054/10	3700
	324/10 CW 054/10	COLKI (IAF) (FB)	3100
3.	054/30 CW 144/30	054/15 CW 144/15	4200
	054/15 CW 144/15	HEROR (IAF) (FB)	3100

QUALITY
3
CHECKED

CITY AND STATE

GREENSBORO, NC

ELEVATION: 926 TDZE: 856

AIRPORT NAME:

PIEDMONT TRIAD INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23R, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KGSO
RUNWAY RW23R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W23B
REFERENCE PATH IDENTIFIER (APPROACH ID) 360659.1600N
LTP/FTP LATITUDE 0795613.7000W
LTP/FTP LONGITUDE +02291
LTP/FTP ELLIPSOIDAL HEIGHT 360557.1900N
FPAP LATITUDE 0795732.7400W
FPAP LONGITUDE 00055.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0008
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 35.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

80D39741

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +02608
FPAP ORTHOMETRIC HEIGHT +02608

QUALITY
3
CHECKED

CITY AND STATE
GREENSBORO, NC

ELEVATION: 926 TDZE: 856
AIRPORT NAME:
PIEDMONT TRIAD INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 23R, ORIG
22 OCT 2009

SUP:
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.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KGSOK7FR23R	ACOLKI	010COLKIK7EA0E	A	IF					18000			A JS	
SUSAP KGSOK7FR23R	ACOLKI	020TUPUEK7EA0EE		010TF		32410050		+ 02800				A JS	
SUSAP KGSOK7FR23R	AHEROR	010HERORK7EA0E	A	IF					18000			A JS	
SUSAP KGSOK7FR23R	AHEROR	020TUPUEK7EA0EE		010TF		14410050		+ 02800				A JS	
SUSAP KGSOK7FR23R	ATUPUE	010TUPUEK7EA0EE	AR	HF		23410040		+ 02800		18000		A JS	
SUSAP KGSOK7FR23R	R	010TUPUEK7EA0E	I	IF				+ 02800		18000		A JS	
SUSAP KGSOK7FR23R	R	020HEVEDK7EA1E	F	051TF		23410051		+ 02800				A JS	
SUSAP KGSOK7FR23R	R	020HEVEDK7EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KGSOK7FR23R	R	030RW23RK7PG0G	M	031TF		23400059		00911		-300		A JS	
SUSAP KGSOK7FR23R	R	040JEVENK7EA0EYM		010DF				+ 02500				A JS	
SUSAP KGSOK7FR23R	R	050JEVENK7EA0EE		R020HM		05390040		+ 02500				A JS	

[illegible][illegible]

QUALITY
7
CHECKER

CITY AND STATE GREENSBORO, NC	ELEVATION: 926 TDZE: 856 AIRPORT NAME: PIEDMONT TRIAD INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23R, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	COLKI	COLKI	010	IAF	IF		FB				
	COLKI	TUPUE	020		TF		FB	1.0	324.1 (316T)	005.0	02800
	HEROR	HEROR	010	IAF	IF		FB				
	HEROR	TUPUE	020		TF		FB	1.0	144.1 (136T)	005.0	02800
	TUPUE	TUPUE	010	IAF	HF	R	FO		234.1 (226T)	004.0	02800
		TUPUE	010	FACF	IF		FB				02800
		HEVED	020	FAP	TF		FB	0.5	234.1 (226T)	006.1	02800
		RW23R	030	MAP	TF		FB	0.3	234.0 (226T)	005.8	00911

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JEVEN	040		DF		FO	1.0			02500
	JEVEN	050		HM	R	FO	2.0	053.9 (046T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COLKI	N361140.92	W0794119.21	N3611.682	W07941.320
	HEROR	N361853.50	W0794954.08	N3618.892	W07949.901
	HEVED	N361102.77	W0795102.48	N3611.046	W07951.041
	JEVEN	N355824.31	W0800708.79	N3558.405	W08007.147
	TUPUE	N361517.14	W0794536.64	N3615.286	W07945.611
	RW23R	N360659.16	W0795613.70	N3606.986	W07956.228

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH
RW23R	00856 55

QUALITY
1
CHECKED

CITY AND STATE GREENSBORO, NC	ELEVATION: 926 TDZE: 856	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23R, ORIG 22 OCT 2009	SUP:
	AIRPORT NAME: PIEDMONT TRIAD INTL			AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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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: _____

TAKEOFF: ☐	STANDARD ☐	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:

22 OCT 2009

PROCEDURE CANCELED EFFECTIVE _____

CITY AND STATE REIDSVILLE, NC	ELEVATION: 693 TDZE: 668	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 31, ORIG, 01/01/1998	SUP
	AIRPORT NAME: ROCKINGHAM COUNTY NC SHILOH			AMDT NONE
	DATE			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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															MISSED APPROACH				
FROM			TO			COURSE AND DISTANCE				ALTITUDE		MAP: 4.99 MILES AFTER SIF NDB							
GSO VORTAC			SIF NDB			030.19 / 22.65				3000		CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 2600 DIRECT SIF NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 315.21 INBOUND. CHART FAS OBST: 919 TREE 362309N/0794833W CHART 958 TOWER 362351N/0794617W SIF NDB TO RW31: 3.20/40							
PLEXI INT			SIF NDB			119.25 / 12.73				3000									
DAN VOR			SIF NDB			247.59 / 23.47				3000									
1. PT <u>L</u> SIDE OF COURSE <u>135.21</u> OUTBOUND <u>2600</u> FT WITHIN <u>10</u> MILES OF <u>SIF NDB</u> (IAF) 2. _____ 3. FAC <u>315.21</u> FAF <u>SIF NDB</u> DIST FAF TO MAP <u>4.99</u> THLD <u>4.99</u> 4. MIN. ALT <u>SIF NDB 2400</u> 8. MSA FROM: <u>SIF NDB 4300</u>															MAG VAR: 7W EPOCH YEAR: 1990				
MINIMUMS																			
TAKEOFF:		STANDARD		X		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-31		1220	1	552	1220	1	552	1220	1 1/2	552	1220	1 3/4	552						
CIRCLING		1260	1	566	1280	1	586	1320	1 3/4	626	1320	2	626						
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE GREENSBORO ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE S-31 CATS C AND D AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.																			
CITY AND STATE REIDSVILLE, NC				ELEVATION: 694 TDZE: 668 AIRPORT NAME: ROCKINGHAM COUNTY NC SHILOH				FACILITY IDENTIFIER: SIF				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 31, AMDT 5 22 OCT 2009				SUP			
																AMDT 4			
																DATE 01/09/1992			

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HOOTE (IAF)	GWYYN (NOPT) (FB)	221.48 / 5.00	3500
BOOYD (IAF)	GWYYN (NOPT) (FB)	041.42 / 5.00	3500
GWYYN (IF/IAF)	DIZZL (FB)	131.45 / 6.20	2700

LNAV: RW13

CLIMB TO 3600 DIRECT VERMS AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 311.68 INBOUND.
CHART FAS OBST: 1046 TOWER 362755N/0795528W
DIZZL TO RW13: 3.06/33

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW GWYYN, RT, 131.45 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
- FAC: 131.51 FAF: DIZZL DIST FAF TO MAP: 6.08 THLD: 6.08
- MIN. ALT: GWYYN 3500, DIZZL 2700
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 7W

EPOCH YEAR: 1990

MINIMUMS

TAKEOFF:		STANDARD	X	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		1300	1	609	1300	1	609	1300	1 3/4	609	1300	2	609			
CIRCLING		1300	1	606	1300	1	606	1320	1 3/4	626	1320	2	626			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE GREENSBORO ALTIMETER SETTING AND SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE REIDSVILLE, NC	ELEVATION: 694 TDZE: 691 AIRPORT NAME: ROCKINGHAM COUNTY NC SHILOH	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 22 OCT 2009	SUP: AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

INCREASE ALL MDA 100 FEET, INCREASE LNAV CATS C AND D AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	041/30 CW 221/30 (NOPT) 041/5 CW 221/5	041/5 CW 221/5 GWYYN (IF/IAF) (FB)	5600 3500
2.	221/30 CW 311/30	HOOTE (IAF) (FB)	4300
3.	311/30 CW 041/30	BOOYD (IAF) (FB)	4800

CITY AND STATE

REIDSVILLE, NC

ELEVATION: 694

TDZE: 691

AIRPORT NAME:

ROCKINGHAM COUNTY NC SHILOH

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

22 OCT 2009

SUP:

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.

[illegible][illegible][illegible][illegible]

CITY AND STATE REIDSVILLE, NC	ELEVATION: 694 TDZE: 691	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) RWY 13, ORIG	AMDT: NONE
	ROCKINGHAM COUNTY NC SHILOH		22 OCT 2009	DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	BOOYD	BOOYD	010	IAF	IF		FB				
	BOOYD	GWYNN	020		TF		FB	1.0	041.4(034T)	005.0	03500
	GWYNN	GWYNN	010	IAF	HF	R	FO		131.5(125T)	004.0	03500
	HOOTE	HOOTE	010	IAF	IF		FB				
	HOOTE	GWYNN	020		TF		FB	1.0	221.5(215T)	005.0	03500
		GWYNN	010	FACF	IF		FB				03500
		DIZZL	020	FAF	TF		FB	0.5	131.5(125T)	006.2	02700
		RW13	030	MAP	TF		FO	0.3	131.5(125T)	006.1	00724

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	VERMS	040		DF		FO	1.0			03600
	VERMS	050		HM	R	FO	2.0	311.7(305T)	004.0	03600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BOOYD	N362917.66	W0800731.33	N3629.294	W08007.522
	DIZZL	N362954.61	W0795740.47	N3629.910	W07957.675
	GWYNN	N363325.43	W0800400.87	N3633.424	W08004.015
	HOOTE	N363733.10	W0800030.04	N3637.552	W08000.501
	VERMS	N361935.65	W0793910.20	N3619.594	W07939.170
	RW13	N362627.45	W0795127.82	N3626.458	W07951.464

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW13	00691		33

CITY AND STATE REIDSVILLE, NC	ELEVATION: 694 TDZE: 691	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) RWY 13, ORIG	AMDT: NONE
	ROCKINGHAM COUNTY NC SHILOH		22 OCT 2009	DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
TAJKY (IAF)	VERMS (NOPT) (FB)	221.71 / 5.00	3600	LNAV: RW31
WADAG (IAF)	VERMS (NOPT) (FB)	041.65 / 5.00	3600	
VERMS (IF/IAF)	KLUTE (FB)	311.68 / 6.00	2400	CLIMB TO 3500 DIRECT GWYNN AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 131.45 INBOUND. CHART FAS OBST: 799 TREE 362550N/0795108W CHART 1238 TOWER 362313N-0794459W KLUTE TO RW31: 3.04/40

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE VERMS, RT, 311.68 INBOUND, 3600 FT. IN LIEU OF PT (IAF)
- FAC: 311.62 FAF: KLUTE DIST FAF TO MAP: 5.24 THLD: 5.24
- MIN. ALT: VERMS 3600, KLUTE 2400, PEWFE/2.20 NM TO RW31 1400
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INOPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 7W EPOCH YEAR: 1990

MINIMUMS															
TAKEOFF:	STANDARD	X	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	1060	1	392	1060	1	392	1060	1	392	1060	1 1/4	392			
CIRCLING	1260	1	566	1280	1	586	1320	1 3/4	626	1320	2	626			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSJ AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE GREENSBORO ALTIMETER SETTING AND SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE REIDSVILLE, NC	ELEVATION: 694 TDZE: 668 AIRPORT NAME: ROCKINGHAM COUNTY NC SHILOH	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 22 OCT 2009	SUP: AMDT: NONE DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

INCREASE ALL MDA 100 FEET, INCREASE LNAV CATS C AND D, AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	222/30 CW 042/30 (NOPT)	222/15 CW 042/15	4700
	222/15 CW 042/15	VERMS (IF/IAF) (FB)	3600
2.	042/30 CW 132/30	WADAG (IAF) (FB)	4800
3.	132/30 CW 222/30	TAJKY (IAF) (FB)	4300

CITY AND STATE
REIDSVILLE, NC

ELEVATION: 694 TDZE: 668
AIRPORT NAME:
ROCKINGHAM COUNTY NC SHILOH

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 31, ORIG
22 OCT 2009

SUP:
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.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KSIFK7FR31	ATAJKY	010TAJKYK7EAOE	A	IF					18000			B JS	
SUSAP KSIFK7FR31	ATAJKY	020VERMSK7EAOEE	010TF			22170050		+ 03600				B JS	
SUSAP KSIFK7FR31	AVERMS	010VERMSK7EAOEE	AR	HF		31170040		+ 03600	18000			B JS	
SUSAP KSIFK7FR31	AWADAG	010WADAGK7EAOE	A	IF					18000			B JS	
SUSAP KS1FK7FR31	AWADAG	020VERMSK7EAOEE	010TF			04170050		+ 03600				B JS	
SUSAP KSIFK7FR31	R	010VERMSK7EAOE	I	IF				+ 03600	16000			B JS	
SUSAF KSIFK7FR31	R	020KLUTEK7EA1E	F	031TF		31170060		+ 02400				B JS	
SUSAP KSIFK7FR31	R	020KLUTEK7EA2WN			N		ALNAV					JS	
SUSAP KSIFK7FR31	R	021PEWPEK7EAOE	E	031TF		31160030		V 0140001422		-304		B JS	
SUSAP KSIFK7FR31	R	030RW31 K7FGOGY	M	031TF		31160022		00708		-304		B JS	
SUSAP KSIFK7FR31	R	040GWYYNK7EAOEYM	010DF					+ 03500				B JS	
SUSAP KSIFK7FR31	R	050GWYYNK7EAOEE	RO20HM			13150040		+ 03500				B JS	

[illegible]

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	TAJKY	TAJKY	010	IAF	IF		FB				
	TAJKY	VERMS	020		TF		FB	1.0	221.7(215T)	005.0	03600
	VERMS	VERMS	010	IAF	HP	R	FO		311.7(305T)	004.0	03600
	WADAG	WADAG	010	IAF	IF		FB				
	WADAG	VERMS	020		TF		FB	1.0	041.7(035T)	005.0	03600
		VERMS	010	FACF	IF		FB				03600
		KLUTE	020	FAF	TF		FB	0.5	311.7(305T)	006.0	02400
		PEWFE	021	SDF	TF		FB	0.3	311.6(305T)	003.0	0140001422
		RW31	030	MAP	TF		FO	0.3	311.6(305T)	002.2	00708

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GWYYN	040		DP		FO	1.0			03500
	GWYYN	050		HM	R	FO	2.0	131.5(125T)	004.0	03500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GWYYN	N363325.43	W0800400.87	N3633.424	W08004.015
	KLUTE	N362300.70	W0794516.95	N3623.012	W07945.283
	PEWFE	N362444.37	W0794822.78	N3624.740	W07948.380
	TAJKY	N362342.64	W0793538.77	N3623.711	W07935.646
	VERMS	N361935.63	W0793910.20	N3619.594	W07939.170
	WADAG	N361529.65	W0794241.26	N3615.476	W07942.688
	RW31	N362559.39	W0795037.44	N3625.990	W07950.624

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW31	00668		40

CITY AND STATE REIDSVILLE, NC	ELEVATION: 694 TDZE: 668	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 22 OCT 2009	SUP:
	AIRPORT NAME: ROCKINGHAM COUNTY NC SHILOH			AMDT: NONE
				DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 13, STANDARD.

RWY 31, 400 - 2 OR STANDARD WITH A MINIMUM CLIMB OF 535 FT PER NM TO 1200.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

RWY 13: TREES BEGINNING 40' FROM DER, 63' LEFT OF CENTERLINE, UP TO 100' AGL/768' MSL. POWER POLE 1192' FROM DER, 430' RIGHT OF CENTERLINE, 30' AGL/702' MSL. TREES BEGINNING 1539' FROM DER, 30' RIGHT OF CENTERLINE, UP TO 100' AGL/755' MSL.

RWY 31: POWER POLE 2054' FROM DER, 243' RIGHT OF CENTERLINE, 30' AGL/763 MSL. VEHICLE ON ROAD 31' FROM DER, 485' LEFT OF CENTERLINE, 15' AGL/714' MSL. TREES BEGINNING 1164' FROM DER, 187' RIGHT OF CENTERLINE, UP TO 100' AGL/1019' MSL. TREES BEGINNING 152' FROM DER, 317' LEFT OF CENTERLINE, UP TO 100' AGL/979' MSL. RISING TERRAIN BEGINNING 123' FROM DER, 27' LEFT OF CENTERLINE, UP TO 939' MSL. RISING TERRAIN BEGINNING 64' FROM DER, 27' RIGHT OF CENTERLINE, UP TO 939' MSL.

(4) CONTROLLING OBSTACLES:

RWY 31: 860 MSL TREE 362650.13N-0795147.78W, 979 MSL TREE 362716.07N-0795313.83W

(5) City, State

REIDSVILLE, NC

(6) Airport

ROCKINGHAM COUNTY NC SHILOH

(7) Effective Date

22 OCT 2009

(8) Amdt. No.

2

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:
RWY 6, 24 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, TREES BEGINNING 229' FROM DER, 122' RIGHT OF CENTERLINE, UP TO 100' AGL/569' MSL. TREES BEGINNING 926' FROM DER, 322' LEFT OF CENTERLINE, UP TO 100' AGL/579' MSL. NOTE: RWY 24, TREES BEGINNING 776' FROM DER, 370' RIGHT OF CENTERLINE, UP TO 100' AGL/559' MSL. BUILDING 549' FROM DER, 395' LEFT OF CENTERLINE, 40' AGL/509' MSL. TREE 846' FROM DER, 471' LEFT OF CENTERLINE, 100' AGL/559' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
2
CHECKED

(5) City, State

POTSDAM, NY

(6) Airport

POTSDAM MUNI/DAMON FLD

(7) Effective Date

22 OCT 2009

(8) Amdt. No.

ORIG

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.40 MILES AFTER WORIS INT OR AT ROC 0.93 DME FIX
GEE VOR/DME (IAF)	FEPUG INT/ROC 13.30 DME	331.07 / 7.34	2600	CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 VIA HEADING 135 AND ROC VOR/DME R-096 TO BREIT LOM/INT/ROC 5.25 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000; OR WHEN DIRECTED BY ATC, CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 4000 DIRECT GEE VOR/DME AND HOLD SE, LT, 333.46 INBOUND.
FEPUG INT/ROC 13.30 DME (IF)	WORIS INT/ROC 5.31 DME	043.64 / 7.99 (I-MCU)	2000	
				ADDITIONAL FLIGHT DATA: HOLD E, RT, 276.33 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SE GEE VOR/DME, LT, 333.46 INBOUND. CHART FAS OBST: 631 TREE 430547N/0774151W CHART 1135 TOWER 431012N/0774022W. CHART IN PLANVIEW: GEE VOR/DME.

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT FEPUG
- FAC: 043.64 FAF: WORIS INT/ROC 5.31 DME DIST FAF TO MAP: 4.40 THLD: 4.40
- MIN. ALT: FEPUG 2600, WORIS 2000
- DIST TO THLD FROM OM: - MM: 0.40 IM: 975 150 HAT: - 100 HAT: 990 GS ANT: 1015
- MIN GS INCPT: 2000 GS ALT AT: WORIS INT 2000 OM: - MM: 711 IM: 634
- GS ANGLE: 3.00 TCH: 55.8
- MSA FROM: ROC VOR/DME 090-270 3600, 270-090 2600

MAG VAR: 12W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	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 4		735	1800	200	735	1800	200	735	1800	200	735	1800	200			
S-LOC 4		920	2400	385	920	2400	385	920	2400	385	920	4000	385			
CIRCLING		1060	1	501	1060	1	501	1060	1 1/2	501	1240	2 1/4	681			

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 4: DA 635 MSL, 119 RA,
RVR 1200, HAT 100; A,B,C,D.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GEE VOR/DME VIA AIRWAY RADIALS 287 CW 018.

CAT D 700-2 1/4
@ CAT D 800-2 1/4

QUALITY
2
CHECKED

CITY AND STATE ROCHESTER, NY	ELEVATION: 559 TDZE: 535 AIRPORT NAME: GREATER ROCHESTER INTL	FACILITY IDENTIFIER: I-MCU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 4, AMDT 20 ILS RWY 4 (CAT II) 22 OCT 2009	SUP: AMDT: 19 DATED 01/15/2009

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 04, 22 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 22, HANGARS 243 FT FROM DER, 226 RIGHT OF CENTERLINE, 35 FT AGL/4212 FT MSL. VEHICLE ON ROAD 566 FT FROM DER, RIGHT AND LEFT OF CENTERLINE, UP TO 15 FT AGL/4192 FT MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
CHECKED

(5) City, State

BOISE CITY, OK

(6) Airport

BOISE CITY

(7) Effective Date

22 OCT 2009

(8) Amdt. No.

ORIG

**U.S. DEPARTMENT OF TRANSPORTATION -- FEDERAL AVIATION ADMINISTRATION
RADAR -- STANDARD INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE -- TITLE 14 CFR PART 97.31**

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

Initial approach minimum altitude(s) shall correspond with those established for enroute operation in the particular area or as set forth below. Positive identification must be established with the radar controller. From initial contact with radar to final authorized landing minimums, the instructions of the radar controller are mandatory except when: (A) Visual contact is established on final approach at or before descent to the authorized landing minimums; or (B) at pilot's discretion if it appears desirable to discontinue the approach.

Except when the radar controller may direct otherwise prior to final approach, a missed approach shall be executed as provided below when: (A) communications on final approach is lost for more than 5 seconds during a precision approach, or for more than 30 seconds during a surveillance approach; (B) directed by radar controllers; (C) visual contact is not established upon descent to authorized landing minimums; or (D) if landing is not accomplished.

RADAR TERMINAL AREA MANEUVERING SECTORS AND ALTITUDES (Sectors and distances measured from radar antenna)

FROM	TO	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE
AS ESTABLISHED BY THE CURRENT COLUMBIA ASR MINIMUM VECTORING ALTITUDE CHART											

MISSED APPROACH

MAP: 1 NM PRIOR TO THRESHOLD.

CLIMBING LEFT TURN TO 2000 DIRECT CAE
VORTAC AND HOLD SE, LT, 335.00 INBOUND.

MINIMUMS

TAKEOFF:	STANDARD	X	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	
ASR S-31	720	1 1/4	535	720	1 1/4	535	720	1 1/2	535	720	1 3/4	535				
CIRCLING		NA			NA			NA			NA					

NOTES:

RWY 31: FAF 5 MILES FROM THRESHOLD, MINIMUM ALTITUDE 1900, MINIMUM ALTITUDE 3.00 MILE FIX 1240. FINAL APPROACH COURSE 310.47. RECOMMENDED ALTITUDE: 4 MILES 1660, 3 MILES 1240, 2.00 MILES 900.

CHART NOTES: USE COLUMBIA METROPOLITAN ALTIMETER SETTING. VISIBILITY REDUCTION BY HELICOPTERS NA.

ADDITIONAL FLIGHT DATA

TDZE: 185.3	RWY: 31	TDZE:	RWY:
TDZE:	RWY:	TDZE:	RWY:

FAS OBST

RW31 - 399' TREE 335818N/0805557W

QUALITY
CHECKED

LOST COMMUNICATIONS (ALL RWYS): AS DIRECTED BY ATC ON INITIAL CONTACT.

MAG VAR: 5W

EPOCH YEAR: 1985

CITY AND STATE	ELEVATION: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
COLUMBIA, SC	193 JIM HAMILTON L.B. OWENS	CAE ASR	22 OCT 2009 RADAR-1, AMDT 2	AMDT: 1
				DATED: 05/30/1991

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

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:

TAKEOFF:	STANDARD	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 OCT 2009

QUALITY
1
CHECKED

CITY AND STATE BROWNFIELD, TX	ELEVATION: 3264 TDZE: 3256 AIRPORT NAME: TERRY COUNTY	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 2, AMDT 1A, 10/08/1998	SUP AMDT 1 DATE 10/08/1998

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW02 CLIMB TO 5200 DIRECT ZAGDO AND VIA TRACK 092.98 TO SLIDE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 356.92 INBOUND. CHART FAS OBST: 3334 TREE 330818N/1021346W FATYO TO RW02: 3.04/43 CHART SEMINOLE AWOS-3.											
MANIC	AYULU (FB)	173.29 / 18.99	5000												
WELCH	VIHCO (FB)	266.61 / 8.39	5000												
AYULU (IAF)	WOGFE (FB)	106.88 / 5.00	4900												
VIHCO (IAF)	WOGFE (FB)	286.98 / 5.00	4900												
WOGFE (IF)	FATYO (FB)	016.93 / 6.10	4900												
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT WOGFE 3. FAC: <u>016.96</u> FAF: <u>FATYO</u> DIST FAF TO MAP: <u>4.97</u> THLD: <u>4.97</u> 4. MIN. ALT: <u>WOGFE 4900, FATYO 4900</u> 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: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW02 5200</u>				MAG VAR: 9E EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF:	STANDARD	X	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	3680	1	424	3680	1	424	3680	1 1/4	424	3680	1 1/4	424			
CIRCLING	3760	1	496	3760	1	496	3780	1 1/2	516	3920	2	656			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: USE SEMINOLE ALTIMETER SETTING. WHEN NOT RECEIVED, USE LUBBOCK ALTIMETER SETTING. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MANIC VIA V102 NORTHEAST BOUND.															
CITY AND STATE BROWNFIELD, TX		ELEVATION: 3264 TDZE: 3256 AIRPORT NAME: TERRY COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 22 OCT 2009				SUP: AMDT: NONE DATED					

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBFEK4FR02	AMANIC	010MANICK4EA0E	IF							18000		B JS	
SUSAP KBFEK4FR02	AMANIC	020AYULUK4EA0E	A 020TF				17330190	+ 05000				B JS	
SUSAP KBFEK4FR02	AMANIC	030WOGFEK4EA0EE	010TF				10690050	+ 04900				B JS	
SUSAP KBFEK4FR02	AWELCH	010WELCHK4EA0E	IF							18000		B JS	
SUSAP KBFEK4FR02	AWELCH	020VIHCOK4EA0E	A 020TF				26660084	+ 05000				B JS	
SUSAP KBFEK4FR02	AWELCH	030WOGFEK4EA0EE	010TF				28700050	+ 04900				B JS	
SUSAP KBFEK4FR02	R	010WOGFEK4EA0E	I IF					+ 04900		18000		B JS	
SUSAP KBFEK4FR02	R	020FATYOK4EA1E	F 051TF				01690061	+ 04900			RW02 K4PGB	JS	
SUSAP KBFEK4FR02	R	020FATYOK4EA2WN		N		ALNAV						JS	
SUSAP KBFEK4FR02	R	030RW02 K4PGOGY	M 031TF				01700050		03296		-304	B JS	
SUSAP KBFEK4FR02	R	040ZAGDOK4EA0E	M 010DF									B JS	
SUSAP KBFEK4FR02	R	050SLIDEK4EA0EY	010TF				0930	+ 05200				B JS	
SUSAP KBFEK4FR02	R	060SLIDEK4EA0EE	L020HM				35690050	+ 05200				B JS	

[illegible]

QUALITY
1
CHECKED

PAGE 2 OF 4 PAGES

**RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

QUALITY
CHECKED

BROWNFIELD, TX

AIRPORT NAME:

TERRY COUNTYFACILITY
IDENTIFIER:
RNAV**RNAV (GPS) RWY 2, ORIG**

22 OCT 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	MANIC	MANIC	010		IF		FB				
	MANIC	AYULU	020	IAF	TF		FB	2.0	173.3 (182T)	019.0	05000
	MANIC	WOGFE	030		TF		FB	1.0	106.9 (116T)	005.0	04900
	WELCH	WELCH	010		IF		FB				
	WELCH	VIHCO	020	IAF	TF		FB	2.0	266.6 (276T)	008.4	05000
	WELCH	WOGFE	030		TF		FB	1.0	287.0 (296T)	005.0	04900
		WOGFE	010	PACF	IF		FB				04900
		FATYO	020	FAF	TF		FB	0.5	016.9 (026T)	006.1	04900
		RW02	030	MAP	TF		FO	0.3	017.0 (026T)	005.0	03296

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ZAGDO	040		DF		FB	1.0			
	SLIDE	050		TF		FO	1.0	093.0 (102T)		05200
	SLIDE	060		HM	L	FO	2.0	356.9 (006T)	005.0	05200

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AYULU	N330209.76	W1022255.94	N3302.163	W10222.932
	FATYO	N330528.33	W1021424.46	N3305.472	W10214.408
	MANIC	N332110.63	W1022201.77	N3321.177	W10222.030
	SLIDE	N331331.43	W1015936.15	N3313.524	W10159.603
	VIHCO	N325746.89	W1021214.34	N3257.782	W10212.239
	WELCH	N325658.00	W1020218.85	N3256.967	W10202.314
	WOGFE	N325958.44	W1021735.01	N3259.974	W10217.584
	ZAGDO	N331510.09	W1020847.37	N3315.168	W10208.790
	RW02	N330956.81	W1021149.05	N3309.947	W10211.818

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH
RW02	03253 43

QUALITY
CHECKED

CITY AND STATE

BROWNFIELD, TX

ELEVATION: 3264 TDZE: 3256

AIRPORT NAME:

TERRY COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES								MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: RW20							
MANIC		ROGDE (FB)		070.69 / 9.42		5100		CLIMBING LEFT TURN TO 5200 DIRECT SLIDE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 356.92 INBOUND. CHART FAS OBST: 3354 TREE 331100N/1021146W CHART 3384 TREE 331448N/1020856W. ZAGDO TO RW20: 3.04/41 CHART SEMINOLE AWOS-3.							
SLIDE		VISoy (FB)		344.85 / 4.96		5100									
ROGDE (IAF)		LEBDE (FB)		106.98 / 5.00		5100									
VISoy (IAF)		LEBDE (FB)		287.08 / 5.00		5100									
LEBDE (IF)		ZAGDO (FB)		197.03 / 6.10		4900									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT LEBDE 3. FAC: <u>197.00</u> FAF: <u>ZAGDO</u> DIST FAF TO MAP: <u>4.94</u> THLD: <u>4.94</u> 4. MIN. ALT: <u>LEBDE 5100, ZAGDO 4900</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW20 5200</u>								MAG VAR: <u>9E</u> EPOCH YEAR: <u>1995</u>							
MINIMUMS															
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: NA	☒									
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	3700	1	436	3700	1	436	3700	1 1/4	436	3700	1 1/2	436			
CIRCLING	3760	1	496	3760	1	496	3780	1 1/2	516	3920	2	656			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: USE SEMINOLE ALTIMETER SETTING. WHEN NOT RECEIVED, USE LUBBOCK ALTIMETER SETTING. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SLIDE VIA V76-81 SOUTHBOUND. SEE 8260-10															
CITY AND STATE		ELEVATION: 3264 TDZE: 3264		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
BROWNFIELD, TX		AIRPORT NAME:				RNAV (GPS) RWY 20, ORIG				AMDT: NONE					
		TERRY COUNTY				22 OCT 2009				DATED					

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MANIC VIA V102 SOUTHWEST BOUND.

CITY AND STATE

BROWNFIELD, TX

ELEVATION: 3264 TDZE: 3264

AIRPORT NAME:

TERRY COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBFEK4FR20	AMANIC	010MANICK4EA0E	IF						18000			B JS	
SUSAP KBFEK4FR20	AMANIC	020ROGDEK4EA0E	A 020TF			07070094	+	05100				B JS	
SUSAP KBFEK4FR20	AMANIC	030LEBDEK4EA0EE	010TF			10700050	+	05100				B JS	
SUSAP KBFEK4FR20	ASLIDE	010SLIDEK4EA0E	IF						18000			B JS	
SUSAP KBFEK4FR20	ASLIDE	020VIS0YK4EA0E	A 020TF			34490050	+	05100				B JS	
SUSAP KBFEK4FR20	ASLIDE	030LEBDEK4EA0EE	010TF			28710050	+	05100				B JS	
SUSAP KBFEK4FR20	R	010LEBDEK4EA0E	I IF				+	05100	18000			B JS	
SUSAP KBFEK4FR20	R	020ZAGDOK4EA1E	F 051TF			19700061	+	04900			RW20	K4PGB JS	
SUSAP KBFEK4FR20	R	020ZAGDOK4EA2WN		N		ALNAV						JS	
SUSAP KBFEK4FR20	R	030RW20 K4PG0GY	M 031TF			19700049		03305		-304		B JS	
SUSAP KBFEK4FR20	R	040SLIDEK4EA0EYM	L010DF				+	05200				B JS	
SUSAP KBFEK4FR20	R	050SLIDEK4EA0EE	L020HM			35690050	+	05200				B JS	

QUALITY
CHECKED

PAGE 3 OF 5 PAGES

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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

PAGE 4 OF 5 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	MANIC	MANIC	010		IF		FB				
	MANIC	ROGDE	020	IAF	TF		FB	2.0	070.7 (080T)	009.4	05100
	MANIC	LEBDE	030		TF		FB	1.0	107.0 (116T)	005.0	05100
	SLIDE	SLIDE	010		IF		FB				
	SLIDE	VISOY	020	IAF	TF		FB	2.0	344.9 (354T)	005.0	05100
	SLIDE	LEBDE	030		TF		FB	1.0	287.1 (296T)	005.0	05100
		LEBDE	010	FACF	IF		FB				05100
		ZAGDO	020	FAF	TF		FB	0.5	197.0 (206T)	005.1	04900
		RW20	030	MAP	TF		FO	0.3	197.0 (206T)	004.9	03305

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SLIDE	040		DF	L	FO	1.0			05200
	SLIDE	050		HM	L	FO	2.0	356.9 (006T)	005.0	05200

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LEBDE	N332039.66	W1020535.79	N3320.661	W10205.597
	MANIC	N332110.63	W1022201.77	N3321.177	W10222.030
	ROGDE	N332251.44	W1021057.71	N3322.857	W10210.962
	SLIDE	N331331.43	W1015936.15	N3313.524	W10159.603
	VISOY	N331827.64	W1020014.14	N3318.461	W10200.236
	ZAGDO	N331510.09	W1020847.37	N3315.168	W10208.790
	RW20	N331043.20	W1021122.17	N3310.720	W10211.370

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW20	03264	41

QUALITY
CHECKED

CITY AND STATE
BROWNFIELD, TX

ELEVATION: 3264 TDZE: 3264
 AIRPORT NAME:
 TERRY COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 20, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 2, 13, 20, 31 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2, AIRCRAFT ON TAXIWAY BEGINNING AT DER, 188' LEFT OF CENTERLINE, UP TO 17' AGL/3281' MSL. VEHICLE ON ROADWAY, 121' FROM DER, 519' RIGHT OF CENTERLINE, 15' AGL/3269' MSL. HANGAR 591' FROM DER, 333' LEFT OF CENTERLINE, 30' AGL/3289' MSL. TREE 950' FROM DER, 179' RIGHT OF CENTERLINE, 34' AGL/3299' MSL.

NOTE: RWY 13, VEHICLES ON ROADWAY BEGINNING 71' FROM DER, 61' LEFT OF CENTERLINE, UP TO 15' AGL/3269' MSL.

NOTE: RWY 20, TREE 2937' FROM DER, 1108' RIGHT OF CENTERLINE, 75' AGL/3329' MSL. (CONT'D)

(4) CONTROLLING OBSTACLES:

(5) City, State

BROWNFIELD, TX

(6) Airport

TERRY COUNTY

(7) Effective Date

22 OCT 2009

(8) Amdt. No.

ORIG

QUALITY
&
CLERICAL

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

Bearings, headings, courses, and radials are magnetic. Elevations 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 unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

(3) TAKEOFF OBSTACLE NOTES: (CONT'D)

NOTE: RWY 31, VEHICLES ON ROADWAY BEGINNING AT DER, 198' LEFT OF CENTERLINE, UP TO 15' AGL/3284' MSL. AIRCRAFT ON TAXIWAY BEGINNING AT DER, 253' RIGHT OF CENTERLINE, UP TO 17' AGL/3281' MSL. VEHICLES ON ROADWAY BEGINNING 299' FROM DER, 14' RIGHT OF CENTERLINE UP TO 15' AGL/3284' MSL. HANGAR 572' FROM DER, 597' RIGHT OF CENTERLINE, 30' AGL/3299' MSL. TREE 1832' FROM DER, 233' RIGHT OF CENTERLINE, 75' AGL/3344' MSL.

City, State BROWNFIELD, TX		Airport TERRY COUNTY			Effective Date 22 OCT 2009	Amdt. No. ORIG
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date	

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CRP VORTAC	CEVUS INT/I-CRP 6.39 DME/RADAR	231.55 / 8.17	2100	ILS: DA LOC: 4.48 MILES AFTER CEVUS INT/CRP 6.39 DME/RADAR OR AT HALVU/I-CRP 1.91 DME FIX CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 VIA HEADING 130.00 AND CRP R-169 TO POGOE INT/CRP 16.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 349.18 INBOUND. CHART FAS OBST: 76 POLE 274654N/0973057W CHART VDP AT 2.62 DME; DISTANCE VDP TO THLD 1.21 MILES. CHART AIRPORT ELEV 44.
ATHIS INT/I-CRP 26.19 DME (IAF)	JAGRU INT/I-CRP 12.41 DME (NOPT)	128.81 / 13.78 (I-CRP)	1700	
JAGRU INT/I-CRP 12.41 DME (IF)	CEVUS INT/I-CRP 6.39 DME/RADAR	128.81 / 6.02 (I-CRP)	1700	

- PT L SIDE OF COURSE 308.81 OUTBOUND 2100 FT WITHIN 15 MILES OF CEVUS (IAF)
-
- FAC: 128.81 FAF: CEVUS INT/I-CRP 6.39 DME/RADAR DIST FAF TO MAP: 4.48 THLD: 4.98
- MIN. ALT: CEVUS 1700, DOMIW INT/I-CRP 3.41 DME 720**
- DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 989
- MIN GS INCPT: 1700 GS ALT AT: CEVUS INT/I-CRP 6.39 DME/RADAR CONT. OM: - MM: - IM: -
- GS ANGLE: 3.00 TCH: 51.0
- MSA FROM: CRP VORTAC 2100

MAG VAR: 7E

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:		STANDARD	X	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 13		* 243	2400	200	* 243	2400	200	* 243	2400	200	* 243	2400	200	* 243	2400	200
S-LOC 13		480	2400	437	480	2400	437	480	4000	437	480	5000	437	480	5000	437
CIRCLING		500	1	456	520	1	476	580	1 1/2	536	740	2 1/4	696	860	3	816

NOTES:

CHART NOTE: *RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

**LOC ONLY.

CHART PROFILE NOTE: USE I-CRP DME WHEN ON THE LOCALIZER COURSE.

CHART NOTE: FOR INOPERATIVE MALSIR INCREASE S-ILS CAT E VISIBILITY 1/4 MILE AND S-LOC CAT E

VISIBILITY 1/2 MILE.

CAT D 700-2 1/4, CAT E 900-3
@ CAT D 800-2 1/4, CAT E 900-3

CITY AND STATE	ELEVATION: 44 TDZE: 43	FACILITY IDENTIFIER: I-CRP	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13, AMDT 27 22 OCT 2009	SUP:
CORPUS CHRISTI, TX	AIRPORT NAME: CORPUS CHRISTI INTL			AMDT: 26C
				DATED 04/10/2008

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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LINE 6 GS ALT AT CONT. 1700



CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: I-CRP	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13, AMDT 27 22 OCT 2009	SUP:
				AMDT: 26C
				DATED: 04/10/2008

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE 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.				
TERMINAL ROUTES				MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.38 MILES AFTER OSSOE INT/OYC 7.06 DME/RADAR OR AT TENUH/I-OYC 1.68 DME FIX CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2000 VIA HEADING 335 AND CRP R-287 TO ATHIS INT/CRP 23.26 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 106.98 INBOUND. CHART FAS OBST: 65 ANT ON OL DME 274535N/0972944W CHART 90 TOWER 274330N/0972938W. CHART NALF CABANISS AIRPORT. CHART CUDDIHY (PRIVATE) AIRPORT. CHART AIRPORT ELEV 44. CHART (CELUC) AT INTERSECTION OF JETTY DR LEG AND INTERMEDIATE COURSE. CHART (HASAB) AT INTERSECTION OF SOLON DR LEG AND INTERMEDIATE COURSE.				
SOLON INT (IAF)	CIMTI INT/I-OYC 13.06 DME	307.11 / 4.69 (HDG) & 352.11 / 4.42 (I-OYC)	2000					
JETTY INT (IAF)	CIMTI INT/I-OYC 13.06 DME	052.00 / 3.65 (HDG) & 352.11 / 2.17 (I-OYC)	2000					
CIMTI INT/I-OYC 13.06 DME (IF)	OSSOE INT/I-OYC 7.06 DME/RADAR	352.11 / 6.00 (I-OYC)	2000					
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT CIMTI 3. FAC: <u>352.11</u> FAF: <u>OSSOE INT/I-OYC 7.06 DME/RADAR</u> DIST FAF TO MAP: <u>5.38</u> THLD: <u>5.88</u> 4. MIN. ALT: <u>CIMTI 2000, OSSOE 2000, ALKOJ INT/I-OYC 3.18 DME 720*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>1080</u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>OSSOE INT/I-OYC 7.06 DME/RADAR CONT.</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>57.1</u> 8. MSA FROM: <u>CRP VORTAC 2100</u>				MAG VAR: 7E EPOCH YEAR: 1985				
MINIMUMS								
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: STANDARD #	LOC: STANDARD @		
CATEGORY =====>	A		B		C		D	
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 35	240	2400	200	240	2400	200	240	2400
S-LOC 35	380	2400	340	380	2400	340	380	4000
CIRCLING	500	1	456	520	1	476	580	1 1/2
NOTES: *LOC ONLY CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 35 CAT E VISIBILITY TO RVR 4000 AND S-LOC 35 CAT D VISIBILITY TO RVR 5000, CAT E TO RVR 6000. CHART PROFILE NOTE: USE I-OYC DME WHEN ON THE LOCALIZER COURSE. SEE 8260-10								
CITY AND STATE			ELEVATION: 44 TDZE: 40		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
CORPUS CHRISTI, TX			AIRPORT NAME:		I-OYC		ILS OR LOC RWY 35, AMDT 12	
			CORPUS CHRISTI INTL				22 OCT 2009	
							SUP: ILS RWY 35	
							AMDT: 11A	
							DATED 03/06/2002	

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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LINE 6 GS ALT AT CONT. 2000

NOTES CONT.

CHART PROFILE NOTE: ILS UNUSABLE INSIDE DA. LOC UNUSABLE FROM I-OYC 1.6 DME INBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SOLON VIA V13-20-163 SOUTHBOUND AND ARRIVALS AT JETTY VIA V70-407 SOUTHBOUND.



CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 40 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: I-OYC	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 35, AMDT 12 22 OCT 2009	SUP: ILS RWY 35
				AMDT: 11A
				DATED: 03/06/2002

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ATHIS (IAF)	JAGRU (FB)	128.64 / 13.78	1700	LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 2000 DIRECT KIBLE AND VIA TRACK 153.29 TO POGOE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 351.18 INBOUND. CHART FAS OBST: 164 TOWER 274703N/0973040W CHART FAS OBST: 370 TOWER 274852N/0973135W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. WAAS CHANNEL # 97515 REFERENCE PATH ID: W13A CHART: NALF CABANISS AIRPORT. CHART: CUDDIHY (PRIVATE) AIRPORT.
JAGRU (IF)	CEVUS (FB)	128.74 / 6.02	1700	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT JAGRU
- FAC: 128.78 FAF: CEVUS DIST FAF TO MAP: 4.98 THLD: 4.98
- MIN. ALT: JAGRU 1700, CEVUS 1700, DOMIW/2.00 NM TO RW13 720*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 1700 GS ALT AT: CEVUS OM: MM: IM:
- GS ANGLE: 3.00 TCH: 51.0 34:1 IS CLEAR
- MSA FROM: RW13 2100

MAG VAR: 7E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:		STANDARD	X	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		243	2400	200	243	2400	200	243	2400	200	243	2400	200	243	2400	200
LNAV/VNAV DA		480	5000	437	480	5000	437	480	5000	437	480	5000	437	480	5000	437
LNAV MDA		660	2400	617	660	2400	617	660	6000	617	660	1 1/2	617	660	1 3/4	617
CIRCLING		660	1	616	660	1	616	660	1 3/4	616	740	2 1/4	696	860	3	816

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ CAT D 800-2 1/4, CAT E 900-3
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ATHIS VIA V568 WESTBOUND.
 *LNAV ONLY
 SEE 8260-10

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 1 22 OCT 2009	SUP: AMDT: ORIG DATED 07/10/2003

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV CAT E VISIBILITY 1/4 MILE, LNAV/VNAV AND LNAV CAT E VISIBILITY 1/2 MILE.

QUALITY
9
CHECK

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 1 22 OCT 2009	SUP:
				AMDT: ORIG
				DATED: 07/10/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCRP
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	274637.2000N
LTP/FTP LONGITUDE	0973048.2000W
LTP/FTP ELLIPSOIDAL HEIGHT	-00135
FPAP LATITUDE	274543.3600N
FPAP LONGITUDE	0972949.3700W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0024
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER B4F0F29C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00130
FPAP ORTHOMETRIC HEIGHT	+00130

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 1 22 OCT 2009	SUP:
				AMDT: ORIG
				DATED: 07/10/2003

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KCRPK4FR13	AATHIS	010ATHISK4EA0E	A	IF						18000		A	JS
SUSAP KCRPK4FR13	AATHIS	020JAGRUK4EA0EE		010TF			12860138	+	01700			A	JS
SUSAP KCRPK4FR13	R	010JAGRUK4EA0E	I	IF				+	01700	18000		A	JS
SUSAP KCRPK4FR13	R	020CEVUSK4EA1E	F	051TF			12870060	+	01700		RW13	K4PGA	JS
SUSAP KCRPK4FR13	R	020CEVUSK4EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KCRPK4FR13	R	021DOMIWK4EA0E	S	031TF			12880030	V	0072000734		-300	A	JS
SUSAP KCRPK4FR13	R	030RW13	K4PGOGY	M	031TF		12880020		00094		-300	A	JS
SUSAP KCRPK4FR13	R	040KIBLEK4EA0E	M	010DF								A	JS
SUSAP KCRPK4FR13	R	050POGOEK4EA0EY		010TF			1533	+	02000			A	JS
SUSAP KCRPK4FR13	R	060POGOEK4EA0EE		L020HM			35120060	+	02000			A	JS

[illegible][illegible]

QUALITY
CHECKED

DATED: 07/10/2003

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CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 43 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 1 22 OCT 2009	SUP:	
				AMDT:	ORIG
				DATED:	07/10/2003

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ATHIS	ATHIS	010	IAF	IF		FB				
	ATHIS	JAGRU	020		TF		FB	1.0	128.6 (136T)	013.8	01700
		JAGRU	010	FACF	IF		FB				01700
		CEVUS	020	FAF	TF		FB	0.5	128.7 (136T)	006.0	01700
		DOMIW	021	SDF	TF		FB	0.3	128.8 (136T)	003.0	0072000734
		RW13	030	MAP	TF		FO	0.3	128.8 (136T)	002.0	00094

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KIBLE	040		DF		FB	1.0			
	POGOE	050		TF		FO	1.0	153.3 (160T)		02000
	POGOE	060		HM	L	FO	2.0	351.2 (358T)	006.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATHIS	N280424.46	W0975019.74	N2804.408	W09750.329
	CEVUS	N275011.78	W0973442.91	N2750.196	W09734.715
	DOMIW	N274803.47	W0973222.52	N2748.058	W09732.375
	JAGRU	N275431.46	W0973927.48	N2754.524	W09739.458
	KIBLE	N274445.08	W0972845.58	N2744.751	W09728.760
	POGOE	N273811.41	W0972607.22	N2738.190	W09726.120
	RW13	N274637.20	W0973048.20	N2746.620	W09730.803

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	00043	51

QUALITY
1
CHECKED

CITY AND STATE
CORPUS CHRISTI, TX

ELEVATION: 44 TDZE: 43
 AIRPORT NAME:
 CORPUS CHRISTI INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 13, AMDT 1
 22 OCT 2009

SUP:
 AMDT: ORIG
 DATED: 07/10/2003

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	RNAV: RW17 CLIMB TO 5000 DIRECT ASACI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 352.36 INBOUND. CHART FAS OBST: 3299 TREE 340218N/1012035W 3527 AAO 340439N/1012051W. CHART 3388 TOWER 340323N/1011922W. COSAG TO RW17: 3.04/40.
SHOES	BIGPE (FB)	013.51 / 22.41	5300	
PVW VOR/DME	BIGPE (FB)	063.62 / 18.83	5000	
EXONE	CESUM (FB)	261.84 / 26.23	5000	
BIGPE (IAF)	ANERY (FB)	082.30 / 5.00	5000	
CESUM (IAF)	ANERY (FB)	262.42 / 5.00	5000	
ANERY (IF)	COSAG (FB)	172.36 / 6.10	4800	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT ANERY
3. FAC: 172.36 FAF: COSAG DIST FAF TO MAP: 4.87 THLD: 4.87
4. MIN. ALT: ANERY 5000, COSAG 4800, EHOVI/2.80 NM TO RW17 4120
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 5300

MAG VAR: 7E

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	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	3720	1	533	3720	1	533	3720	1 1/2	533		NA					
CIRCLING	3840	1	653	3840	1	653	3920	2	733		NA					

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PVW VOR/DME VIA V278 WESTBOUND.
 CHART NOTE: USE PLAINVIEW ALTIMETER SETTING; WHEN NOT RECEIVED, USE LUBBOCK ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 3187 TDZE: 3187	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FLOYDADA, TX	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 17, ORIG	AMDT: NONE
	FLOYDADA MUNI		22 OCT 2009	DATED

QUALITY
CHECKED

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP K41FK4FR17	AEXONE	010EXONEK4EA0E	IF						18000			B JS	
SUSAP K41FK4FR17	AEXONE	020CESUMK4EA0E	A 020TF			26180262		+ 05000				B JS	
SUSAP K41FK4FR17	AEXONE	030ANERYK4EA0EE	010TF			26240050		+ 05000				B JS	
SUSAP K41FK4FR17	APVW	010PVW K4D 0V	IF						18000			B JS	
SUSAP K41FK4FR17	APVW	020BIGPEK4EA0E	A 020TF			06360188		+ 05000				B JS	
SUSAP K41FK4FR17	APVW	030ANERYK4EA0EE	010TF			08230050		+ 05000				B JS	
SUSAP K41FK4FR17	ASHOES	010SHOESK4EA0E	IF						18000			B JS	
SUSAP K41FK4FR17	ASHOES	020BIGPEK4EA0E	A 020TF			01350224		+ 05300				B JS	
SUSAP K41FK4FR17	ASHOES	030ANERYK4EA0EE	010TF			08230050		+ 05000				B JS	
SUSAP K41FK4FR17	R	010ANERYK4EA0E	I IF					+ 05000	18000			B JS	
SUSAP K41FK4FR17	R	020COSAGK4EA1E	F 051TF			17240061		+ 04800			RW17 K4PGB	JS	
SUSAP K41FK4FR17	R	020COSAGK4EA2WN		N		ALNAV						JS	
SUSAP K41FK4FR17	R	021EHOVIK4EA0E	3 031TF			17240021		V 0412004138		-304		B JS	
SUSAP K41FK4FR17	R	030RW17 K4PGOGY	M 031TF			17240028		03227		-304		B JS	

CITY AND STATE FLOYDADA, TX	ELEVATION: 3187 TDZE: 3187 AIRPORT NAME: FLOYDADA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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SUSAP K41FK4FR17 R 040ASACIK4EA0EYM 010DF + 05000 B JS
SUSAP K41FK4FR17 R 050ASACIK4EA0EE HR020HM 35240050 + 05000 B JS

1 2 3 4 5 6 7 8 9 0 1 2 3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP K41FK4GRW17 0046001724 N34002823W101194921+0000 +0944803187000040060R

1 2 3 4 5 6 7 8 9 0 1 2 3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP K41FK4SRW17 K4PG 0 18018005325 M

CITY AND STATE

FLOYDADA, TX

ELEVATION: 3187 TDZE: 3187
AIRPORT NAME:

FLOYDADA MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	EXONE	EXONE	010		IF		FB				
	EXONE	CESUM	020	IAF	TF		FB	2.0	261.8 (269T)	026.2	05000
	EXONE	ANERY	030		TF		FB	1.0	262.4 (269T)	005.0	05000
	PVW	PVW	010		IF		FB				
	PVW	BIGPE	020	IAF	TF		FB	2.0	063.6 (071T)	018.8	05000
	PVW	ANERY	030		TF		FB	1.0	082.3 (089T)	005.0	05000
	SHOES	SHOES	010		IF		FB				
	SHOES	BIGPE	020	IAF	TF		FB	2.0	013.5 (021T)	022.4	05300
	SHOES	ANERY	030		TF		FB	1.0	082.3 (089T)	005.0	05000
		ANERY	010	FACF	IF		FB				05000
		COSAG	020	FAF	TF		FB	0.5	172.4 (179T)	006.1	04800
		EHOVI	021	SDF	TF		FB	0.3	172.4 (179T)	002.1	0412004138
		RW17	030	MAP	TF		FO	0.3	172.4 (179T)	002.8	03227

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	ASACI	040		DF		FO	1.0			05000
	ASACI	050		HM	R	FO	2.0	352.4 (359T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PVW	N340510.29	W1014724.67	N3405.172	W10147.411
	ANERY	N341127.55	W1011958.07	N3411.459	W10119.968
	ASACI	N334842.79	W1011939.77	N3348.713	W10119.663
	BIGPE	N341124.05	W1012559.69	N3411.401	W10125.995
	CESUM	N341130.76	W1011356.44	N3411.513	W10113.941
	COSAG	N340521.10	W1011953.14	N3405.352	W10119.886
	EHOVI	N340316.52	W1011951.47	N3403.275	W10119.858
	EXONE	N341206.81	W1004219.84	N3412.114	W10042.331
	SHOES	N335022.69	W1013527.59	N3350.378	W10135.460
	RW17	N340028.23	W1011949.21	N3400.471	W10119.820

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW17	03187		40

CITY AND STATE
 FLOYDADA, TX

ELEVATION: 3187 TDZE: 3187
 AIRPORT NAME:
 FLOYDADA MUNI

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 17, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

QUALITY
 CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
SHOES	FIKUR (FB)	094.86 / 8.34	5000	LNAV: RW35
FLOYD	ASACI (FO)	191.98 / 10.40	5000	
FIKUR (IAF)	ASACI (NOPT) (FB)	082.30 / 5.00	5000	CLIMBING LEFT TURN TO 5000 DIRECT ASACI AND HOLD.
ASACI (IF/IAF)	CINAV (FB)	352.36 / 6.10	4800	
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 3479 TOWER 335822N/1012043W CINAV TO RW35: 3.04/39.

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. HOLD S ASACI, RT, 352.36 INBOUND, 5000 FT. IN LIEU OF PT (IAF)
 3. FAC: 352.36 FAF: CINAV DIST FAF TO MAP: 4.88 THLD: 4.88
 4. MIN. ALT: ASACI 5000, CINAV 4800
 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: RW35 5300

MAG VAR: 7E EPOCH YEAR: 2010

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	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	3840	1	653	3840	1	653	3840	1 3/4	653		NA					
CIRCLING	3840	1	653	3840	1	653	3920	2	733		NA					

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: USE PLAINVIEW ALTIMETER SETTING; WHEN NOT RECEIVED, USE LUBBOCK ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET, INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CITY AND STATE FLOYDADA, TX	ELEVATION: 3187 TDZE: 3187 AIRPORT NAME: FLOYDADA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 22 OCT 2009	SUP: AMDT: NONE DATED

QUALITY
2
CHECKED

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[illegible]

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FLOYD	FLOYD	010		IF		FB				
	FLOYD	ASACI	020		TF		FO	2.0	192.0 (199T)	010.4	05000
	FLOYD	ASACI	030		HF	R	FO		352.4 (359T)	005.0	05000
	SHOES	SHOES	010		IF		FB				
	SHOES	FIKUR	020	IAF	TF		FB	2.0	094.9 (102T)	008.3	05000
	SHOES	ASACI	030		TF		FB	1.0	082.3 (089T)	005.0	05000
		ASACI	010	FACF	IF		FB				05000
		CINAV	020	FAF	TF		FB	0.5	352.4 (359T)	006.1	04800
		RW35	030	MAP	TF		FO	0.3	352.4 (359T)	004.9	03224

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ASACI	040		DF	L	FO	1.0			05000
	ASACI	050		HM	R	FO	2.0	352.4 (359T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ASACI	N334842.79	W1011939.77	N3348.713	W10119.663
	CINAV	N335449.26	W1011944.67	N3354.821	W10119.745
	FIKUR	N334839.29	W1012539.79	N3348.655	W10125.663
	FLOYD	N335834.19	W1011536.06	N3358.570	W10115.601
	SHOES	N335022.69	W1013527.59	N3350.378	W10135.460
	RW35	N335942.73	W1011948.60	N3359.712	W10119.810

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	03185	39

CITY AND STATE
FLOYDADA, TX

ELEVATION: 3187 TDZE: 3187
 AIRPORT NAME:
 FLOYDADA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 35, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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CITY AND STATE FLOYDADA, TX	ELEVATION: 3187 TDZE: 3187 AIRPORT NAME: FLOYDADA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 22 OCT 2009	SUP:
				AMDT: NONE
				DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 17, 35 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 17, SILO 3320 FT FROM DER, 355 FT RIGHT OF CENTERLINE, 149 FT AGL/3329 FT MSL. BUILDING 3648 FT FROM DER, 248 FT RIGHT OF CENTERLINE, 108 AGL/3289 MSL. NOTE: RWY 35, ROAD AND VEHICLE BEGINNING 525 FT FROM DER, 19 FT LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/3202 FT MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

FLOYDADA, TX

(6) Airport

FLOYDADA MUNI

(7) Effective Date

22 OCT 2009

(8) Amdt. No.

ORIG

QUALITY
2
CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:
RWY 15, 33 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 15, VEHICLES ON ROADWAY BEGINNING ABEAM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15' AGL/124' MSL. BUILDING 177' FROM DER, 398' LEFT OF CENTERLINE, 18' AGL/126' MSL. TREES BEGINNING 178' FROM DER, 289' RIGHT OF CENTERLINE, UP TO 100' AGL/209' MSL.
NOTE: RWY 33, BUILDING 265' FROM DER, 364' LEFT OF CENTERLINE, 33' AGL/143' MSL. TREES BEGINNING 2706' FROM DER, 700' LEFT OF CENTERLINE, UP TO 100' AGL/214' MSL. TREES BEGINNING 3159' FROM DER, 747' RIGHT OF CENTERLINE, UP TO 100' AGL/216' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

HOUSTON, TX

(6) Airport

WEST HOUSTON

(7) Effective Date

22 OCT 2009

(8) Amdt. No.

3

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR 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

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: _____

TAKEOFF: _____

STANDARD _____

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 OCT 2009

CITY AND STATE

ORANGE, TX

ELEVATION: 13

TDZE:

AIRPORT NAME:

ORANGE COUNTY

FACILITY

IDENTIFIER:

ORG

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

NDB OR GPS-A, AMDT 1, 04/04/1991

SUP

AMDT

ORIG

DATE

11 APR 85

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
WLYMS (IAF)	WARES (FB)	130.21 / 5.00	2000	LPV: DA LNAV/VNAV: DA LNAV: RW22 CLIMB TO 2000 DIRECT KEDKY AND LEFT TURN VIA TRACK 116.12 TO POPEY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 296.24 INBOUND. CHART FAS OBST: 298 TOWER 300525N/0934714W DISTANCE TO THLD FROM 316 HAT: 0.85 NM. CHART VDP AT 1.78 MILES TO RW22* *LNAV ONLY. WAAS CHANNEL # 56614 REFERENCE PATH ID: W22A
SAHAJ (IAF)	WARES (FB)	310.29 / 5.00	2000	
WARES (IF)	IBCED (FB)	220.25 / 6.04	2000	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT WARES
- FAC: 220.21 FAF: IBCED DIST FAF TO MAP: 6.00 THLD: 6.00
- MIN. ALT: WARES 2000, IBCED 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: IBCED OM: MM: IM:
- GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
- MSA FROM: RW22 2400

MAG VAR: 2E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	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	329	1	316	329	1	316	329	1	316		NA				
LNAV/VNAV DA	674	2 1/4	661	674	2 1/4	661	674	2 1/4	661		NA				
LNAV MDA	600	1	587	600	1	587	600	1 1/2	587		NA				
CIRCLING	660	1	647	660	1	647	660	1 3/4	647		NA				

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PLANVIEW NOTE: RADAR REQUIRED
 SEE 8260-10

CITY AND STATE ORANGE, TX	ELEVATION: 13 TDZE: 13 AIRPORT NAME: ORANGE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 22 OCT 2009	SUP: AMDT: NONE DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTHEAST TEXAS RGNL ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, AND LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.****CHART NOTE: BARO-VNAV AND VDP NA WHEN USING SOUTHEAST TEXAS RGNL ALTIMETER SETTING.****CHART NOTE: CIRCLING NA TO RWY 13/31.**

CITY AND STATE

ORANGE, TX

ELEVATION: 13

TDZE: 13

AIRPORT NAME:

ORANGE COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KORG
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	300425.1570N
LTP/FTP LONGITUDE	0934746.4855W
LTP/FTP ELLIPSOIDAL HEIGHT	-00234
FPAP LATITUDE	300318.9600N
FPAP LONGITUDE	0934855.4200W
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	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

1B547255

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00040
FPAP ORTHOMETRIC HEIGHT	+00040

CITY AND STATE ORANGE, TX	ELEVATION: 13 TDZE: 13 AIRPORT NAME: ORANGE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 22 OCT 2009	SUP:
				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.

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KORGK4FR22	ASAH	010	SAHAJK4EA0E	A	IF					18000		A	JS
SUSAP KORGK4FR22	ASAH	020	WARESK4EA0EE		010TF		31030050	+	02000			A	JS
SUSAP KORGK4FR22	AWLY	010	WLYMSK4EA0E	A	IF					18000		A	JS
SUSAP KORGK4FR22	AWLY	020	WARESK4EA0EE		010TF		13020050	+	02000			A	JS
SUSAP KORGK4FR22	R		010WARESK4EA0E	I	IF			+	02000	18000		A	JS
SUSAP KORGK4FR22	R		020IBCEDK4EA1E	F	051TF		22030060	+	02000		RW22	K4PGA	JS
SUSAP KORGK4FR22	R		020IBCEDK4EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP KORGK4FR22	R		030RW22 K4PGOGY	M	031TF		22020060		00058		-300	A	JS
SUSAP KORGK4FR22	R		040KEDKYK4EA0E	M	010DF							A	JS
SUSAP KORGK4FR22	R		050POPEYK4EA0EY	L	010TFY		1161	+	02000			A	JS
SUSAP KORGK4FR22	R		060POPEYK4EA0EE		R020HM		29620040	+	02000			A	JS

[illegible]

QUALITY
CHECKED

CITY AND STATE ORANGE, TX	ELEVATION: 13 TDZE: 13 AIRPORT NAME: ORANGE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
			RNAV (GPS) RWY 22, ORIG	AMDT: NONE
			22 OCT 2009	DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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SUSAP KOR GK4PR22 RW22 002E +00040+00040LPV 56614

[illegible]

SUSAP KOR GK4SRW22 K4PG

0 18018002425

M

CITY AND STATE

ORANGE, TX

ELEVATION: 13 TDZE: 13

AIRPORT NAME:

ORANGE COUNTY

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

QUALITY
1
SECTION

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	SAHAJ	SAHAJ	010	IAF	IF		FB				
	SAHAJ	WARES	020		TF		FB	1.0	310.3 (312T)	005.0	02000
	WLYMS	WLYMS	010	IAF	IF		FB				
	WLYMS	WARES	020		TF		FB	1.0	130.2 (132T)	005.0	02000
		WARES	010	FACF	IF		FB				02000
		IBCED	020	FAF	TF		FB	0.5	220.3 (222T)	006.0	02000
		RW22	030	MAP	TF		FO	0.3	220.2 (222T)	006.0	00058

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	KEDKY	040		DF		FB	1.0			
	POPEY	050		TF	L	FO	1.0	116.1 (118T)		02000
	POPEY	060		HM	R	FO	2.0	296.2 (298T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IBCED	N300852.44	W0934307.84	N3008.874	W09343.131
	KEDKY	N300019.84	W0935201.75	N3000.331	W09352.029
	POPEY	N295327.72	W0933718.57	N2953.462	W09337.310
	SAHAJ	N300959.26	W0933410.54	N3009.988	W09334.176
	WARES	N301321.52	W0933826.71	N3013.359	W09338.445
	WLYMS	N301643.64	W0934243.18	N3016.727	W09342.720
	RW22	N300425.16	W0934746.49	N3004.419	W09347.775

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW22	00013	45

QUALITY
1
CHECKED

CITY AND STATE
ORANGE, TX

ELEVATION: 13 TDZE: 13
 AIRPORT NAME:
 ORANGE COUNTY

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 22, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 13/31, NA - ENVIRONMENTAL

RWY 22, STANDARD

RWY 4, 400-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 425 FEET PER NM TO 500

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4, TREES BEGINNING 893' FROM DER, 513' RIGHT OF CENTERLINE, UP TO 30' AGL/87' MSL. TREES BEGINNING 1856' FROM DER, 550' LEFT OF CENTERLINE, UP TO 30' AGL/66' MSL. TRANSMISSION POLES BEGINNING 2518' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 73' AGL/83' MSL. TOWER 6401' FROM DER, 1900' LEFT OF CENTERLINE, 283' AGL/298' MSL.

NOTE: RWY 22, TREES BEGINNING AT DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30' AGL/39' MSL.

(4) CONTROLLING OBSTACLES:

RWY 4: 298 MSL TOWER 300524.75N-0934713.60W.



(5) City, State

ORANGE, TX

(6) Airport

ORANGE COUNTY

(7) Effective Date
22 OCT 2009

(8) Amdt. No.
ORIG

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW15 CLIMB TO 2000 DIRECT XETTY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 335.47 INBOUND. CHART FAS OBST: 229 TREE 364247N/0773059W RUSHS TO RW15: 3.04/31								
WAKS	VASPY (FB)	256.87 / 24.23	2000									
LVL VORTAC	CITAD (FB)	107.81 / 9.76	2000									
VASPY (IAF)	EYUGO (FB)	245.36 / 5.00	2000									
CITAD (IAF)	EYUGO (FB)	065.26 / 5.00	2000									
EYUGO (IF)	POCAB (FB)	155.31 / 3.98	1800									
POCAB	RUSHS (FB)	155.34 / 2.22	1700									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT EYUGO 3. FAC: <u>155.36</u> FAF: <u>RUSHS</u> DIST FAF TO MAP: <u>4.78</u> THLD: <u>4.78</u> 4. MIN. ALT: <u>EYUGO 2000, POCAB 1800, RUSHS 1700, JFRSN/2.40 NM TO RW15 920</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1</u> IS NOT CLEAR 8. MSA FROM: <u>RW15 1900</u>												
				MAG VAR: <u>10W</u> EPOCH YEAR: <u>2000</u>								
MINIMUMS												
TAKEOFF:	STANDARD	X	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
LNAV MDA	480	1	353	480	1	353		NA			NA	
CIRCLING	560	1	433	580	1	453		NA			NA	
NOTES: CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AHOSKIE ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON LVL VORTAC AIRWAY RADIALS 059 CW 106.												
CITY AND STATE			ELEVATION: 127 TDZE: 127		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:		
EMPORIA, VA			AIRPORT NAME: EMPORIA-GREENSVILLE REGIONAL				RNAV (GPS) RWY 15, ORIG 22 OCT 2009			AMDT: NONE		
										DATED		

QUALITY
 3
 CHECKED

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KEMVK6FR15	ALVL	010LVL	K6D	OV	IF					18000		B	JS
SUSAP KEMVK6FR15	ALVL	020CITADK6EA0E	A	020TF			10780098	+	02000			B	JS
SUSAP KEMVK6FR15	ALVL	030EYUGOK6EA0EE		010TF			06530050	+	02000			B	JS
SUSAP KEMVK6FR15	AWA	010WAIKSK6EA0E		IF						18000		B	JS
SUSAP KEMVK6FR15	AWA	020VASPYK6EA0E	A	020TF			25690242	+	02000			B	JS
SUSAP KEMVK6FR15	AWA	030EYUGOK6EA0EE		010TF			24540050	+	02000			B	JS
SUSAP KEMVK6FR15	R	010EYUGOK6EA0E	I	IF				+	02000	18000		B	JS
SUSAP KEMVK6FR15	R	011POCABK6EA0E	S	051TF			15530040	+	01800			B	JS
SUSAP KEMVK6FR15	R	020RUSHSK6EA1E	F	051TF			15530022	+	01700		RW15	K6PGB	JS
SUSAP KEMVK6FR15	R	020RUSHSK6EA2WN			N	ALNAV							JS
SUSAP KEMVK6FR15	R	021JFRSNK6EA0E	S	031TF			15540024	V	0092000928		-304		B JS
SUSAP KEMVK6FR15	R	030RW15	K6PG0GY	M	031TF		15540024		00158		-304		B JS
SUSAP KEMVK6FR15	R	040XETIYK6EA0EYM		010DF				+	02000			B	JS
SUSAP KEMVK6FR15	R	050XETIYK6EA0EE		R020HM			33550040	+	02000			B	JS

QUALITY
1
CHECKED

CITY AND STATE EMPORIA, VA	ELEVATION: 127 TDZE: 127 AIRPORT NAME: EMPORIA-GREENSVILLE REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, ORIG 22 OCT 2009	SUP:
				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.

QUALITY
CHECKED

CITY AND STATE EMPORIA, VA	ELEVATION: 127	TDZE: 127	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, ORIG 22 OCT 2009	SUP:	
	AIRPORT NAME:				AMDT:	NONE
	EMPORIA-GREENSVILLE REGIONAL				DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LVL	LVL	010		IF		FB				
	LVL	CITAD	020	IAP	TF		FB	2.0	107.8 (098T)	009.8	02000
	LVL	EYUGO	030		TF		FB	1.0	065.3 (055T)	005.0	02000
	WAKS	WAKS	010		IF		FB				
	WAKS	VASPY	020	IAP	TF		FB	2.0	256.9 (247T)	024.2	02000
	WAKS	EYUGO	030		TF		FB	1.0	245.4 (235T)	005.0	02000
		EYUGO	010	FACF	IF		FB				02000
		POCAB	011	SDF	TF		FB	0.5	155.3 (145T)	004.0	01800
		RUSHS	020	FAP	TF		FB	0.5	155.3 (145T)	002.2	01700
		JFRSN	021	SDF	TF		FB	0.3	155.4 (145T)	002.4	0092000928
		RW15	030	MAP	TF		FO	0.3	155.4 (145T)	002.4	00158

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	XETIY	040		DF		FO	1.0			02000
	XETIY	050		HM	R	FO	2.0	335.5 (326T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LVL	N364904.93	W0775410.69	N3649.082	W07754.178
	CITAD	N364744.68	W0774208.66	N3647.745	W07742.144
	EYUGO	N365035.76	W0773701.54	N3650.596	W07737.026
	JFRSN	N364331.74	W0773057.11	N3643.529	W07730.952
	POCAB	N364719.11	W0773412.36	N3647.319	W07734.206
	RUSHS	N364529.27	W0773237.98	N3645.488	W07732.633
	VASPY	N365326.61	W0773154.04	N3653.444	W07731.901
	WAKS	N370301.72	W0770407.68	N3703.029	W07704.128
	XETIY	N363259.33	W0772156.20	N3632.989	W07721.937
	RW15	N364133.08	W0772915.37	N3641.551	W07729.256

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW15	00127	31

QUALITY
1
CHECKED

CITY AND STATE
EMPORIA, VA

ELEVATION: 127 TDZE: 127
 AIRPORT NAME:
 EMPORIA-GREENSVILLE REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 15, ORIG
 22 OCT 2009

SUP:
 AMDT: NONE
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
HIGDA	ZUNAD (FO)	248.36 / 27.35	3000	LPV: DA LNAV/VNAV: DA LNAV: RW06 CLIMB TO 2900 DIRECT LAMMB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 241.04 INBOUND. CHART FAS OBST: 380 TREE 465901N/1235844W CHART FAS OBST: 323 TREE 465912N/1235724W DISTANCE TO THLD FROM 290 HAT: 0.75 NM. WAAS CHANNEL # 82015 REFERENCE PATH ID: W06A
OZALU	ZUNAD (FO)	230.30 / 22.37	2900	
WAVLU	ZUNAD (FO)	308.76 / 7.40	2600	
ZUNAD (IF/IAF)	JUDSA (FB)	060.64 / 6.10	1600	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW ZUNAD, RT, 060.64 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
- FAC: 060.75 FAF: JUDSA DIST FAF TO MAP: 4.74 THLD: 4.74
- MIN. ALT: ZUNAD 2600, JUDSA 1600
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 1600 GS ALT AT: JUDSA 1600 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR
- MSA FROM: RW06 4300

MAG VAR: 19E EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF:	STANDARD	X	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	308	1	290	308	1	290	308	1	290	308	1	290			
LNAV/VNAV DA	758	2 1/2	740	758	2 1/2	740	758	2 1/2	740	758	2 1/2	740			
LNAV MDA	620	1	602	620	1	602	620	1 3/4	602	620	2	602			
CIRCLING	620	1	602	620	1	602	620	1 3/4	602	620	2	602			

NOTES:

CHART NOTE: CIRCLING NA NW OF RWY 6-24.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

CITY AND STATE	ELEVATION: 18 TDZE: 18	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1	SUP:
HOQUIAM, WA	AIRPORT NAME: BOWERMAN		22 OCT 2009	AMDT: ORIG
				DATED 08/30/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 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 KHQM
RUNWAY RW06
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W06A
LTP/FTP LATITUDE 465811.9500N
LTP/FTP LONGITUDE 1235647.1100W
LTP/FTP ELLIPSOIDAL HEIGHT -00185
FPAP LATITUDE 465827.6600N
FPAP LONGITUDE 1235439.0400W
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 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

3FE2D46D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +00053
FPAP ORTHOMETRIC HEIGHT +00053

CITY AND STATE

HOQUIAM, WA

ELEVATION: 18

TDZE: 18

AIRPORT NAME:

BOWERMAN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, AMDT 1

22 OCT 2009

SUP:

AMDT: ORIG

DATED: 08/30/2007

**RNAV (GPS) 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 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)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHQMK1FR06	AHIGDA	010HIGDAK1EA0E	IF							18000		A JS	
SUSAP KHQMK1FR06	AHIGDA	020ZUNADK1EA0EY	020TF			24840274		+ 03000				A JS	
SUSAP KHQMK1FR06	AHIGDA	030ZUNADK1EA0EE	AR HF			06060040		+ 02600				A JS	
SUSAP KHQMK1FR06	AOZALU	010OZALUK1EA0E	IF							18000		A JS	
SUSAP KHQMK1FR06	AOZALU	020ZUNADK1EA0EY	020TF			23030224		+ 02900				A JS	
SUSAP KHQMK1FR06	AOZALU	030ZUNADK1EA0EE	AR HF			06060040		+ 02600				A JS	
SUSAP KHQMK1FR06	AWAVLU	010WAVLUK1EA0E	IF							18000		A JS	
SUSAP KHQMK1FR06	AWAVLU	020ZUNADK1EA0EY	020TF			30880074		+ 02600				A JS	
SUSAP KHQMK1FR06	AWAVLU	030ZUNADK1EA0EE	AR HF			06060040		+ 02600				A JS	
SUSAP KHQMK1FR06	R	010ZUNADK1EA0E	I IF					+ 02600		18000		A JS	
SUSAP KHQMK1FR06	R	020JUDSAK1EA1E	F 051TF			06060061		+ 01600			RW06	K1PGA	JS
SUSAP KHQMK1FR06	R	020JUDSAK1EA2WALPV		ALNAV/VNAV	ALNAV								JS
SUSAP KHQMK1FR06	R	030RW06	K1PGOGY M	031TF		06080047		00070		-300		A JS	
SUSAP KHQMK1FR06	R	040LAMMBK1EA0EYM	010DF					+ 02900				A JS	
SUSAP KHQMK1FR06	R	050LAMMBK1EA0EE	R020HM			24100040		+ 02900				A JS	

[illegible]

QUALITY
CHECKED

CITY AND STATE

HOQUIAM, WA

ELEVATION: 18

TDZE: 18

AIRPORT NAME:

BOWERMAN

FACILITY IDENTIFIER:
BNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, AMDT 1

22 OCT 2009

SUP:

AMDT: ORIG

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.

[illegible]

QUALITY
CHECKED

CITY AND STATE HOQUIAM, WA	ELEVATION: 18 TDZE: 18 AIRPORT NAME: BOWERMAN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 22 OCT 2009	SUP:
				AMDT: ORIG
				DATED: 08/30/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HIGDA	HIGDA	010		IF		FB				
	HIGDA	ZUNAD	020		TF		FO	2.0	248.4 (267T)	027.4	03000
	HIGDA	ZUNAD	030	IAF	HF	R	FO		060.6 (080T)	004.0	02600
	OZALU	OZALU	010		IF		FB				
	OZALU	ZUNAD	020		TF		FO	2.0	230.3 (249T)	022.4	02900
	OZALU	ZUNAD	030	IAF	HF	R	FO		060.6 (080T)	004.0	02600
	WAVLU	WAVLU	010		IF		FB				
	WAVLU	ZUNAD	020		TF		FO	2.0	308.9 (328T)	007.4	02600
	WAVLU	ZUNAD	030	IAF	HF	R	FO		060.6 (080T)	004.0	02600
		ZUNAD	010	FACF	IF		FB				02600
		JUDSA	020	FAP	TF		FB	0.5	060.6 (080T)	006.1	01600
		RW06	030	MAP	TF		FO	0.3	060.8 (080T)	004.7	00070

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LAMMB	040		DF		FO	1.0			02900
	LAMMB	050		HM	R	FO	2.0	241.0 (260T)	004.0	02900

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HIGDA	N465738.74	W1233228.89	N4657.646	W12332.482
	JUDSA	N465721.52	W1240336.07	N4657.359	W12403.601
	LAMMB	N470023.49	W1233844.06	N4700.392	W12338.734
	OZALU	N470414.49	W1234149.07	N4704.242	W12341.818
	WAVLU	N465000.90	W1240635.70	N4650.015	W12406.595
	ZUNAD	N465616.10	W1241221.35	N4656.268	W12412.356
	RW06	N465811.95	W1235647.11	N4658.199	W12356.785

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
	RW06	00018 52

CITY AND STATE
HOQUIAM, WAELEVATION: 18 TDZE: 18
AIRPORT NAME:
BOWERMANFACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 6, AMDT 1
22 OCT 2009SUP:
AMDT: ORIG
DATED: 08/30/2007QUALITY
CHECKED

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW24 CLIMB TO 2600 DIRECT ZUNAD AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.64 INBOUND. CHART FAS OBST: 546 TREE 465926N/1235215W DISTANCE TO THLD FROM 200 HAT: 0.39 NM. WAAS CHANNEL # 86902 REFERENCE PATH ID: W24A											
PUGIC	LAMMB (FO)	014.40 / 28.80	3400												
SOUPY (IAF)	LAMMB (NOPT) (FB)	266.79 / 9.64	2900												
ULESS (IAF)	LAMMB (NOPT) (FB)	204.81 / 10.41	2900												
LAMMB (IF/IAF)	NEYDI (FB)	241.04 / 6.33	2100												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE LAMMB, RT, 241.04 INBOUND, 2900 FT. IN LIEU OF PT (IAF) 3. FAC: 240.94 FAF: NEYDI DIST FAF TO MAP: 5.39 THLD: 5.39 4. MIN. ALT: LAMMB 2900, NEYDI 2100, FODUL/2.40 NM TO RW24 960 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2100 GS ALT AT: NEYDI OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.50 TCH: 54.7 34:1 IS NOT CLEAR 8. MSA FROM: RW24 4600				MAG VAR: 19E EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF:	STANDARD	X	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	216	3/4	200	216	3/4	200	286	1	270		NA				
LNAV/VNAV DA	1029	2 1/2	1013	1029	2 1/2	1013	1029	2 1/2	1013		NA				
LNAV MDA	800	3/4	784	800	3/4	784	800	1 3/4	784		NA				
CIRCLING	800	1	782	800	1 1/4	782	800	2 1/4	782		NA				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 47C (116F). @ CAT C 800-2 1/4 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 18 TDZE: 16		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
HOQUIAM, WA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 24, AMDT 1				AMDT: ORIG					
		BOWERMAN				22 OCT 2009				DATED 08/30/2007					

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT A VISIBILITY TO 1 MILE.

CHART NOTE: CIRCLING NA NW OF RWY 6-24.

CHART NOTE: PROCEDURE NA FOR ARRIVALS AT ULESS VIA V27 NORTHEAST BOUND AND SOUPY VIA V204 EASTBOUND AND PUGIC VIA V27 SOUTH BOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

CITY AND STATE

HOQUIAM, WA

ELEVATION: 18 TDZE: 16

AIRPORT NAME:

BOWERMAN

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 24, AMDT 1

22 OCT 2009

SUP:

AMDT: ORIG

DATED: 08/30/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHQM
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	465820.6600N
LTP/FTP LONGITUDE	1235536.1500W
LTP/FTP ELLIPSOIDAL HEIGHT	-00191
FPAP LATITUDE	465811.9500N
FPAP LONGITUDE	1235647.1100W
THRESHOLD CROSSING HEIGHT (TCH)	00054.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	87.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 17C8AFF6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+00046
FPAP ORTHOMETRIC HEIGHT	+00046

CITY AND STATE
HOQUIAM, WA

ELEVATION: 18 TDZE: 16
AIRPORT NAME:
BOWERMAN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 24, AMDT 1
22 OCT 2009

SUP:	
AMDT:	ORIG
DATED:	08/30/2007

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHQMK1FR24	APUGIC	010PUGICK1EA0E	IF						18000			A JS	
SUSAP KHQMK1FR24	APUGIC	020LAMMBK1EA0EY	020TF			01440288		+ 03400				A JS	
SUSAP KHQMK1FR24	APUGIC	030LAMMBK1EA0EE	AR HF			24100040		+ 02900				A JS	
SUSAP KHQMK1FR24	ASOUPY	010SOUPYK1EA0E	A IF						18000			A JS	
SUSAP KHQMK1FR24	ASOUPY	020LAMMBK1EA0EE	010TF			26680096		+ 02900				A JS	
SUSAP KHQMK1FR24	AULESS	010ULESSK1EA0E	A IF						18000			A JS	
SUSAP KHQMK1FR24	AULESS	020LAMMBK1EA0EE	010TF			20480104		+ 02900				A JS	
SUSAP KHQMK1FR24	R	010LAMMBK1EA0E	I IF					+ 02900	18000			A JS	
SUSAP KHQMK1FR24	R	020NEYDIK1EA1E	F 051TF			24100063		+ 02100			RW24	K1PGA JS	
SUSAP KHQMK1FR24	R	020NEYDIK1EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP KHQMK1FR24	R	021FODULK1EA0E	S 031TF			24090030		V 0096000968		-350		A JS	
SUSAP KHQMK1FR24	R	030RW24 K1PG0GY	M 031TF			24090024		00070		-350		A JS	
SUSAP KHQMK1FR24	R	040ZUNADK1EA0EYM	010DF					+ 02600				A JS	
SUSAP KHQMK1FR24	R	050ZUNADK1EA0EE	R020HM			06060040		+ 02600				A JS	

[illegible]

QUALITY
CHECKED

CITY AND STATE HOQUIAM, WA	ELEVATION: 18 TDZE: 16 AIRPORT NAME: BOWERMAN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 22 OCT 2009	SUP:
				AMDT: ORIG
				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.

QUALITY
1
CHECKED

CITY AND STATE HOQUIAM, WA	ELEVATION: 18 TDZE: 16 AIRPORT NAME: BOWERMAN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 22 OCT 2009	SUP:
				AMDT: ORIG
				DATED: 08/30/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	PUGIC	PUGIC	010		IF		FB				
	PUGIC	LAMMB	020		TF		FO	2.0	014.4 (033T)	028.8	03400
	PUGIC	LAMMB	030	IAF	HF	R	FO		241.0 (260T)	004.0	02900
	SOUPY	SOUPY	010	IAF	IF		FB				
	SOUPY	LAMMB	020		TF		FB	1.0	266.8 (286T)	009.6	02900
	ULESS	ULESS	010	IAF	IF		FB				
	ULESS	LAMMB	020		TF		FB	1.0	204.8 (224T)	010.4	02900
		LAMMB	010	FACF	IF		FB				02900
		NEYDI	020	FAF	TF		FB	0.5	241.0 (260T)	006.3	02100
		FODUL	021	SDF	TF		FB	0.3	240.9 (260T)	003.0	0096000968
		RW24	030	MAP	TF		FO	0.3	240.9 (260T)	002.4	00070

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ZUNAD	040		DF		FO	1.0			02600
	ZUNAD	050		HM	R	FO	2.0	060.6 (080T)	004.0	02600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FODUL	N465846.00	W1235209.14	N4658.767	W12352.152
	LAMMB	N470023.49	W1233844.06	N4700.392	W12338.734
	NEYDI	N465917.45	W1234750.88	N4659.291	W12347.848
	PUGIC	N463623.90	W1240154.16	N4636.398	W12401.903
	SOUPY	N465747.07	W1232511.13	N4657.785	W12325.186
	ULESS	N470754.58	W1232812.15	N4707.910	W12328.203
	ZUNAD	N465616.10	W1241221.35	N4656.268	W12412.356
	RW24	N465820.66	W1235536.15	N4658.344	W12355.603

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW24	00015	47

QUALITY
1
CHECKED

CITY AND STATE HOQUIAM, WA	ELEVATION: 18 TDZE: 16	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 22 OCT 2009	SUP:
	AIRPORT NAME: BOWERMAN			AMDT: ORIG
				DATED: 08/30/2007

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29**

TERMINAL ROUTES

MISSED APPROACH

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD NE FONTZ, RT, 210.84 INBOUND, 3800 FT. IN LIEU OF PT (IAF)				
3. FAC:	210.84	FAF: ARCAT OM/CKB 8.75 DME/RADAR	DIST FAF TO MAP: 5.03 THLD: 5.03		
4. MIN. ALT:	ARCAT OM 2900, PUYKO/CKB 6.33 DME/RADAR 2100				
5. DIST TO THLD FROM OM:	5.03	MM: -	IM: -	150 HAT: -	100 HAT: - GS ANT: 1126
6. MIN GS INCPT:	2900	GS ALT AT: GS INTCP	OM: 2894 MM: - IM: -		
7. GS ANGLE:	3.00	TCH: 49.8			
8. MSA FROM:	CKB VOR/DME 4800				

EPOCH YEAR: 1995

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	ILS: #	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 21	1417	2400	200	1417	2400	200	1417	2400	200	1417	2400	200			
S-LOC 21	1740	2400	523	1740	2400	523	1740	5000	523	1740	6000	523			
CIRCLING	1920	1	703	1920	1	703	1920	2	703	2060	2 3/4	843			

CAT A, B, C 800-2, CAT D 900-2 3/4
 @ CAT D 900-2 3/4
 # @ NA WHEN CONTROL TOWER CLOSED.

QUALITY
CHECKED

FAA FORM 8260 - 3 / December 2002 (computer generated)

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

INCREASE S-ILS 21 ALL CATS VISIBILITY TO RVR 5000.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MGW VORTAC AIRWAY RADIALS 201 CW 307.

CHART NOTE: DME OR RADAR REQUIRED FOR LOC ONLY MINIMUMS.

QUALITY
CHECKED

CITY AND STATE

CLARKSBURG, WV

ELEVATION: 1217 TDZE: 1217

AIRPORT NAME:

NORTH CENTRAL WEST VIRGINIA

FACILITY
IDENTIFIER:

I-CKB

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 21, AMDT 2

22 OCT 2009

SUP:

AMDT: 1A

DATED: 09/25/2008

U.S. 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				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA											
IDECA (40E)	UROCO (TF) (FB) (RNP 1.00) (40E)	258.00/25.00	14000	CLIMB TO 14000 VIA TRACK 006.51 TO QUIRT AND VIA TRACK 088.36 TO DNW VOR/DME AND HOLD. CONTINUE CLIMB-IN-HOLD TO 14000.											
UROCO (40E)	VUGUY (TF) (FB) (RNP 1.00) (40E) (43A)	318.57/14.32	14000												
OLNUE (40E)	VUGUY (TF) (FB) (RNP 1.00) (40E) (43A)	089.89/15.37	14000												
VUGUY (IAF) (40E) (43A)	LIYET (TF) (FB) (RNP 0.50) (40E)	006.34/12.00	11600	ADDITIONAL FLIGHT DATA: HOLD N, LT, 197.99 INBOUND CHART FAS OBST: 7219 TREE 433148N/1104722W CHART: 7751 TREE 433808N/1104134W CHART MAXIMUM 17500 AT IDECA AND OLNUE, MAXIMUM 15000 AT VUGUY. DIST TO THLD FROM 933 HAT: 2.83 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 6462.8 MSL (DO NOT CHART)											
LIYET (40E)	NECPI (TF) (FB) (RNP 0.50) (40E)	006.40/2.00	11100												
NECPI (40E)	YONUL (TF) (FB) (RNP 0.50) (40E)	006.41/2.40	10500												
YONUL (40E)	JEVIM (TF) (FB) (RNP 0.50) (40E) (41E)	006.42/2.40	9900												
CONTINUED ON PAGE 2															
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)															
2. PROFILE STARTS AT VUGUY															
3. FAC: 006.47 FAF: DIST FAF TO MAP: THLD:															
4. MIN. ALT: VUGUY 14000, LIYET 11600, NECPI 11100, YONUL 10500, JEVIM 9900, WIDGA 8600															
5. DIST TO THLD FROM OM: 6.59 MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 8600 GS ALT AT: WIDGA 8600 OM: MM: IM:															
7. GS ANGLE: 3.00 TCH: 50.0# 34:1 IS NOT CLEAR															
8. MSA FROM: RW01 15000				MAG VAR: 13E EPOCH YEAR: 2005											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	1000-4										
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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30 DA	7364	4	933	7364	4	933	7364	4	933		NA				
NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -28C (-18F) OR ABOVE 36C (97F). INOPERATIVE TABLE DOES NOT APPLY. VISIBILITY REDUCTION BY HELICOPTERS NA. WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE AT IDECA AND OLNUE: (RNP 0.30).															
CITY AND STATE		ELEVATION: 6451 TDZE: 6431		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 22 OCT 2009 RNAV (RNP) Y RWY 1, ORIG-A				SUP: CRIG DATE 01/18/2007					
JACKSON, WY		JACKSON HOLE													

CONTINUED FROM PAGE 1

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JEVIM (IF) (40E) (43I)	WIDGA (TF) (FB) (RNP 0.30) (40E) (43F)	006.43/8.00	8600
WIDGA (FAF) (40E) (43F)	RW01 (TF) (FB) (40G) (41Y) (43M)	006.47/6.59	
RW01 (MAP) (40G) (41Y) (43M)	QUIRT (TF) (FB) (RNP 1.00) (40E) (42M)	006.51/17.15	
QUIRT (40E) (42M)	DNW VOR/DME (TF) (FO) (RNP 1.00) (40V) (41Y)	088.36/12.15	14000

CITY AND STATE	ELEVATION: 6451 TDZE: 6431	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, WY	AIRPORT NAME: JACKSON HOLE	RNAV	22 OCT 2009 RNAV (RNP) Y RWY 1, ORIG-A	AMDT: ORIG
				DATED: 01/18/2007

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	IDECA	IDECA	010		IF		FB				17500 MAX
	IDECA	UROCO	020		TF		FB	1.0	258.0 (271T)	025.0	14000
	IDECA	VUGUY	030	IAF	TF		FB	1.0	318.6 (332T)	014.3	15000/14000 BLK
	IDECA	LIYET	040		TF		FB	0.5	006.3 (019T)	012.0	11600
	IDECA	NECPI	050		TF		FB	0.5	006.4 (019T)	002.0	11100
	IDECA	YONUL	060		TF		FB	0.5	006.4 (019T)	002.4	10500
	IDECA	JEVIM	070	IF	TF		FB	0.5	006.4 (019T)	002.4	09900
	OLNUE	OLNUE	010		IF		FB				17500 MAX
	OLNUE	VUGUY	020	IAF	TF		FB	1.0	089.9 (103T)	015.4	15000/14000 BLK
	OLNUE	LIYET	030		TF		FB	0.5	006.3 (019T)	012.0	11600
	OLNUE	NECPI	040		TF		FB	0.5	006.4 (019T)	002.0	11100
	OLNUE	YONUL	050		TF		FB	0.5	006.4 (019T)	002.4	10500
	OLNUE	JEVIM	060	IF	TF		FB	0.5	006.4 (019T)	002.4	09900
		JEVIM	010	FACF	IF		FB				09900
		WIDGA	020	FAF	TF		FB	0.3	006.4 (019T)	008.0	08600
		RW01	030	MAP	TF		FO	0.3	006.4 (019T)	006.6	06463 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	QUIRT	040		TF		FB	1.0	006.5 (020T)	017.2	
	DNW	050		TF		FO	1.0	088.4 (101T)	012.2	14000
	DNW	060		HM	L	FO	2.0	198.0 (211T)	008.0	14000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DNW	N434941.80	W1102007.71	N4349.697	W11020.129
	IDECA	N425131.06	W1101625.75	N4251.518	W11016.429
	JEVIM	N432211.62	W1105111.02	N4322.194	W11051.184
	LIYET	N431546.75	W1105416.80	N4315.779	W11054.280
	NECPI	N431739.96	W1105322.23	N4317.666	W11053.371
	OLNUE	N430755.05	W1112009.86	N4307.918	W11120.164
	QUIRT	N435206.61	W1103635.39	N4352.110	W11036.590
	UROCO	N425152.20	W1105025.10	N4251.870	W11050.418
	VUGUY	N430427.35	W1105943.07	N4304.456	W11059.718
	WIDGA	N432944.29	W1104731.61	N4329.738	W11047.527
	YONUL	N431955.79	W1105216.67	N4319.930	W11052.278
	RW01	N433557.10	W1104430.19	N4335.952	W11044.503

CONT. ON PAGE 4

CITY AND STATE

JACKSON, WY

ELEVATION: 6451 TDZE: 6431

AIRPORT NAME:
JACKSON HOLEFACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

22 OCT 2009

RNAV (RNP) Y RWY 1, ORIG-A

SUP:

AMDT: ORIG

DATED: 01/18/2007

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18
CONTINUED...

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW01	06413	50

CITY AND STATE

JACKSON, WY

ELEVATION: 6451 TDZE: 6431
AIRPORT NAME:

JACKSON HOLE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
22 OCT 2009

RNAV (RNP) Y RWY 1, ORIG-A

SUP:

AMDT: ORIG

DATED: 01/18/2007

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES						MISSED APPROACH						
FROM	TO		COURSE AND DISTANCE		ALTITUDE	MAP: DA						
IDECA (40E)	UROCO (TF) (FB) (RNP 1.00) (40E)		258.00/25.00		14000	CLIMB TO 14000 VIA TRACK 006.51 TO UBEVE AND VIA TRACK 006.53 TO QUIRT AND VIA TRACK 088.36 TO DNW VOR/DME AND HOLD. CONTINUE CLIMB-IN-HOLD TO 14000.						
UROCO (40E)	VUGUY (TF) (FB) (RNP 1.00) (40E) (43A)		318.57/14.32		14000							
OLNUE (40E)	VUGUY (TF) (FB) (RNP 1.00) (40E) (43A)		089.89/15.37		14000							
VUGUY (IAF) (40E) (43A)	LIYET (TF) (FB) (RNP 0.50) (40E)		006.34/12.00		11600	ADDITIONAL FLIGHT DATA: HOLD N, LT, 197.99 INBOUND CHART FAS OBST: 7219 TREE 433148N/1104722W CHART: 7451 TREE 433903N/1104115W CHART MAXIMUM 17500 AT IDECA AND OLNUE, MAXIMUM 15000 AT VUGUY. DIST TO THLD FROM 380 HAT: 1.09 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 6462.8 MSL (DO NOT CHART)						
LIYET (40E)	NECPI (TF) (FB) (RNP 0.50) (40E)		006.40/2.00		11100							
NECPI (40E)	YONUL (TF) (FB) (RNP 0.50) (40E)		006.41/2.40		10500							
YONUL (40E)	JEVIM (TF) (FB) (RNP 0.50) (40E) (41E)		006.42/2.40		9900							
CONTINUED ON PAGE 2												
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT VUGUY 3. FAC: <u>006.47</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN. ALT: VUGUY 14000, LIYET 11600, NECPI 11100, YONUL 10500, JEVIM 9900, WIDGA 8600 5. DIST TO THLD FROM OM: <u>6.59</u> MM: <u> </u> IM: <u>150</u> HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>8600</u> GS ALT AT: WIDGA 8600 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0# 34:1 IS NOT CLEAR</u> 8. MSA FROM: RW01 15000						MAG VAR: 13E EPOCH YEAR: 2005						
MINIMUMS												
TAKEOFF:	STANDARD	X	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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED												
RNP 0.30 DA	6811	1	380	6811	1	380	6811	1	380	NA		
NOTES: CHART NOTES: GPS REQUIRED. FOR INOPERATIVE MALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/2. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -28C (-18F) OR ABOVE 36C (97F). VISIBILITY REDUCTION BY HELICOPTERS NA. WHEN VGSI INOP, PROCEDURE NA AT NIGHT. MISSED APPROACH REQUIRES RNP LESS THAN 1.0 AND MINIMUM CLIMB OF 280 FEET PER NM TO 8100; IF UNABLE, SEE RNAV (RNP) Y RWY 1. CHART PLANVIEW NOTE AT IDECA AND OLNUE: (RNP 0.30)												
CITY AND STATE		ELEVATION: 6451 TDZE: 6431		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 22 OCT 2009 RNAV (RNP) Z RWY 1, ORIG-B				SUP: ORIG-A		
JACKSON, WY		JACKSON HOLE								DATE 05/08/2008		

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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CONTINUED FROM PAGE 1

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JEVIM (IF) (40E) (43I)	WIDGA (TF) (FB) (RNP 0.30) (40E) (43F)	006.43/8.00	8600
WIDGA (FAF) (40E) (43F)	RW01 (TF) (FB) (40G) (43M)	006.47/6.59	
RW01 (MAP) (40G)(40E) (43M)	UBEVE (TF) (FB) (RNP 0.30) (40E) (42M)	006.51/4.37	
UBEVE (40E) (42M)	QUIRT (TF) (FB) (RNP 1.00) (40E)	006.53/12.77	
QUIRT (40E)	DNW VOR/DME (TF) (FO) (RNP 1.00) (40V) (41Y)	088.36/12.15	14000

CITY AND STATE JACKSON, WY	ELEVATION: 6451 TDZE: 6431	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 22 OCT 2009 RNAV (RNP) Z RWY 1, ORIG-B	SUP:
	AIRPORT NAME: JACKSON HOLE, WY			AMDT: ORIG-A
	DATED: 05/08/2008			

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR 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 FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	IDECA	IDECA	010		IF		FB				17500 MAX
	IDECA	UROCO	020		TF		FB	1.0	258.0 (271T)	025.0	14000
	IDECA	VUGUY	030	IAF	TF		FB	1.0	318.6 (332T)	014.3	15000/14000 BLK
	IDECA	LIYET	040		TF		FB	0.5	006.3 (019T)	012.0	11600
	IDECA	NECPI	050		TF		FB	0.5	006.4 (019T)	002.0	11100
	IDECA	YONUL	060		TF		FB	0.5	006.4 (019T)	002.4	10500
	IDECA	JEVIM	070	IF	TF		FB	0.5	006.4 (019T)	002.4	09900
	OLNUE	OLNUE	010		IF		FB				17500 MAX
	OLNUE	VUGUY	020	IAF	TF		FB	1.0	089.9 (103T)	015.4	15000/14000 BLK
	OLNUE	LIYET	030		TF		FB	0.5	006.3 (019T)	012.0	11600
	OLNUE	NECPI	040		TF		FB	0.5	006.4 (019T)	002.0	11100
	OLNUE	YONUL	050		TF		FB	0.5	006.4 (019T)	002.4	10500
	OLNUE	JEVIM	060	IF	TF		FB	0.5	006.4 (019T)	002.4	09900
		JEVIM	010	FACF	IF		FB				09900
		WIDGA	020	FAF	TF		FB	0.3	006.4 (019T)	008.0	08600
		RW01	030	MAP	TF		FB	0.3	006.4 (019T)	006.6	06463 MAN
MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	
	UBEVE	040		TF		FB	0.3	006.5 (020T)	004.4		
	QUIRT	050		TF		FB	1.0	006.5 (020T)	012.8		
	DNW	060		TF		FO	1.0	088.4 (101T)	012.2	14000	
	DNW	070		HM	L	FO	2.0	198.0 (211T)	008.0	14000	
POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS						
	DNW	N434941.80	W1102007.71	N4349.697	W11020.129						
	IDECA	N425131.06	W1101625.75	N4251.518	W11016.429						
	JEVIM	N432211.62	W1105111.02	N4322.194	W11051.184						
	LIYET	N431546.75	W1105416.80	N4315.779	W11054.280						
	NECPI	N431739.96	W1105322.23	N4317.666	W11053.371						
	OLNUE	N430755.05	W1112009.86	N4307.918	W11120.164						
	QUIRT	N435206.61	W1103635.39	N4352.110	W11036.590						
	UBEVE	N434004.30	W1104229.50	N4340.072	W11042.492						
	UROCO	N425152.20	W1105025.10	N4251.870	W11050.418						
	VUGUY	N430427.35	W1105943.07	N4304.456	W11059.718						
	WIDGA	N432944.29	W1104731.61	N4329.738	W11047.527						
	YONUL	N431955.79	W1105216.67	N4319.930	W11052.278						
	RW01	N433557.10	W1104430.19	N4335.952	W11044.503						

10000

10000

CONT. ON PAGE 4

CONT. ON PAGE 4

CITY AND STATE	ELEVATION: 6451 TDZE: 6431	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, WY	AIRPORT NAME: JACKSON HOLE	RNAV	22 OCT 2009 RNAV (RNP) Z RWY 1, ORIG-B	AMDT: ORIG-A
				DATED: 05/08/2008

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR 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 FLIGHT INSPECTION SUMMARY - VERSION 424-18
CONTINUED...**RUNWAY DATA**

RWY	THRESHOLD ELEVATION	TCH
RW01	06413	50

CITY AND STATE

JACKSON, WY

ELEVATION: 6451 TDZE: 6431
AIRPORT NAME:

JACKSON HOLE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

22 OCT 2009

RNAV (RNP) Z RWY 1, ORIG-B

SUP:

AMDT: ORIG-A

DATED: 05/08/2008

U.S. 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					MISSED APPROACH										
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA CLIMB TO 14000 VIA TRACK 186.52 TO NECPI AND VIA TRACK 096.41 TO VECUR AND VIA LEFT TURN ON TRACK 347.53 TO DNW VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, LT, 197.99 INBOUND CHART: 6739 TREE 433848N/1104215W, 9883 TWR 431632N/1105230W CHART MAXIMUM 17500 AT SABAT AND TOCUD. DIST TO THLD FROM 405 HAT: 1.11 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 6503.0 MSL (DO NOT CHART)											
SABAT (40E)	WEPRA (TF) (FB) (RNP 1.00) (40E)	061.77/37.57	13000												
WEPRA (40E)	YUGUS (TF) (FB) (RNP 1.00) (40E) (43A)	096.41/15.01	13000												
TOCUD (40E)	YUGUS (TF) (FB) (RNP 1.00) (40E) (43A)	263.68/15.66	13000												
YUGUS (IAF) (40E) (43A)	KECEV (TF) (FB) (RNP 1.00) (40E)	186.67/10.00	12000												
KECEV (40E)	JUTEG (TF) (FB) (RNP 1.00) (40E) (41E)	186.62/7.37	10700												
JUTEG (IF) (40E) (43I)	PIYIP (TF) (FB) (RNP 0.50) (40E) (43F)	186.58/7.87	8200												
PIYIP (FAF) (40E) (43F)	RW19 (TF) (FO) (40G) (41Y) (43M)	186.54/5.25													
CONTINUED ON PAGE 2															
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT JUTEG 3. FAC: 186.54 FAF: DIST FAF TO MAP: THLD: 4. MIN. ALT: JUTEG 10700, PIYIP 8200 5. DIST TO THLD FROM OM: 5.25 MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 8200 GS ALT AT: PIYIP 8200 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 52.5# 34:1 IS NOT CLEAR 8. MSA FROM: RW19 15000															
MINIMUMS					MAG VAR: 13E EPOCH YEAR: 2005										
TAKEOFF:	STANDARD	X	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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30 DA	6856	1 1/4	405	6856	1 1/4	405	6856	1 1/4	405		NA				
NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -28C (-18F) OR ABOVE 35C (96F). FOR INOPERATIVE MALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/2. VISIBILITY REDUCTION BY HELICOPTERS NA. WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SABAT ON V298 WESTBOUND. CHART PLANVIEW NOTE AT TOCUD AND SABAT: (RNP 0.50)															
CITY AND STATE		ELEVATION: 6451 TDZE: 6451		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 22 OCT 2009 RNAV (RNP) Z RWY 19, ORIG-A				SUP: AMDT: ORIG DATE 01/18/2007					
JACKSON, WY		JACKSON HOLE													

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES 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.

CONTINUED FROM PAGE 1

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW19 (TF) (FO) (40G)(41Y) (43M)	NECPI (TF) (FB) (RNP 1.00) (40E (42M)	186.52/20.43	
NECPI (40E) (42M)	VECUR (TF) (FB) (RNP 1.00) (40E)	096.41/25.40	
VECUR (40E)	DNW VOR/DME (TF) (FO) (RNP 1.00) (40V) (41Y)	347.53/40.55	14000

CITY AND STATE

JACKSON, WY

ELEVATION:

6451 TDZE:

6451

AIRPORT NAME:

JACKSON HOLE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

22 OCT 2009

RNAV (RNP) Z RWY 19, ORIG-A

SUP:

AMDT:

ORIG

DATED:

01/18/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR 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 FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SABAT	SABAT	010		IF		FB				17500 MAX
	SABAT	WEPR	020		TF		FB	1.0	061.8 (075T)	037.6	13000
	SABAT	YUGUS	030	IAF	TF		FB	1.0	096.4 (109T)	015.0	13000
	SABAT	KECEV	040		TF		FB	1.0	186.7 (200T)	010.0	12000
	SABAT	JUTEG	050	IF	TF		FB	1.0	186.6 (200T)	007.4	10700
	TOCUD	TOCUD	010		IF		FB				17500 MAX
	TOCUD	YUGUS	020	IAF	TF		FB	1.0	263.7 (277T)	015.7	13000
	TOCUD	KECEV	030		TF		FB	1.0	186.7 (200T)	010.0	12000
	TOCUD	JUTEG	040	IF	TF		FB	1.0	186.6 (200T)	007.4	10700
		JUTEG	010	FACF	IF		FB				10700
		PIYIP	020	FAF	TF		FB	0.5	186.6 (200T)	007.9	08200
		RW19	030	MAP	TF		FO	0.3	186.5 (200T)	005.3	06503 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	NECPI	040		TF		FB	1.0	186.5 (200T)	020.4	
	VECUR	050		TF	L	FB	1.0	096.4 (109T)	025.4	
	DNW	060		TF	L	FO	1.0	347.5 (001T)	040.6	14000
	DNW	070		HM	L	FO	2.0	198.0 (211T)	008.0	14000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DNW	N434941.80	W1102007.71	N4349.697	W11020.129
	JUTEG	N434918.01	W1103758.28	N4349.300	W11037.971
	KECEV	N435614.84	W1103433.09	N4356.247	W11034.552
	NECPI	N431739.96	W1105322.23	N4317.666	W11053.371
	PIYIP	N434152.78	W1104136.53	N4341.880	W11041.609
	SABAT	N440059.71	W1113955.04	N4400.995	W11139.917
	TOCUD	N440352.75	W1100818.40	N4403.879	W11008.307
	VECUR	N430908.70	W1102038.56	N4309.145	W11020.643
	WEPR	N441041.00	W1104932.25	N4410.683	W11049.538
	YUGUS	N440539.95	W1102953.53	N4405.666	W11029.892
	RW19	N433635.73	W1104401.60	N4336.929	W11044.027

RUNWAY DATA	THRESHOLD
RWY	ELEVATION
RW19	06451
	TCH
	53

CITY AND STATE	ELEVATION: 6451 TDZE: 6451	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSON, WY	AIRPORT NAME: JACKSON HOLE	RNAV	22 OCT 2009	AMDT: ORIG
			RNAV (RNP) Z RWY 19, ORIG-A	DATED: 01/18/2007

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					MISSED APPROACH							
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: 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:	STANDARD	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
NOTES: PROCEDURE CANCELED EFFECTIVE 22 OCT 2009												
CITY AND STATE		ELEVATION: 7086 TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:			SUP			
PINEDALE, WY		RALPH WENZ FIELD		PNA		NDB RWY 29, AMDT 1A, 03/15/2007			AMDT 1			
									DATE 12/22/2005			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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															MISSED APPROACH				
FROM			TO			COURSE AND DISTANCE				ALTITUDE		MAP: PNA NDB							
BPI VOR/DME			PNA NDB			030.26 / 18.54				10000		CLIMBING LEFT TURN TO 10000 DIRECT BPI VOR/DME AND HOLD.							
												ADDITIONAL FLIGHT DATA: HOLD SE, RT, 298.00 INBOUND. CHART FAS OBST: 7504 TREE 424626N/1094926W FAC CROSSES MID POINT OF RWY 11-29							
1. PT <u>R</u> SIDE OF COURSE <u>128.64</u> OUTBOUND <u>9400</u> FT WITHIN <u>10</u> MILES OF <u>PNA NDB</u> (IAF) 2. _____ 3. FAC <u>308.64</u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: <u>PNA NDB 034-124 14100, 124-214 9100, 214-304 10000, 304-034 15100</u>															MAG VAR: 13E EPOCH YEAR: 2005				
MINIMUMS																			
TAKEOFF:		STANDARD		X		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			
CIRCLING		7900	1	798	7900	1 1/4	798	7900	2 1/4	798	7900	2 1/2	798						
NOTES: CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MILEY MEMORIAL FIELD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND 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.																			
CITY AND STATE				ELEVATION: 7102 TDZE:				FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP					
PINEDALE, WY				AIRPORT NAME:				PNA		NDB-A, ORIG				AMDT NONE					
				PINEDALE/RALPH WENZ FIELD						22 OCT 2009				DATE					

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 11, STANDARD

RWY 29, STANDARD WITH MINIMUM CLIMB OF 310 FEET PER NM TO 8300, OR 4900-3 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 11: CLIMBING RIGHT TURN TO 10000 VIA HEADING 190 AND BPI R-040 TO BPI VOR/DME BEFORE PROCEEDING ON COURSE.

RWY 29: CLIMBING LEFT TURN TO 10000 VIA HEADING 230 AND BPI R-020 TO BPI VOR/DME BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS PINEDALE/RALPH WENZ FIELD AT OR ABOVE 11800 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

RWY 11: 14004 MSL AAO 431057.60N/1093912.50W.

RWY 29: 14004 MSL AAO 431057.60N/1093912.50W, 7950 MSL AAO 424913.10N/1095429.70W.

VCOA: 13945 MSL AAO 430741.40N/1093627.00W, 7950 MSL AAO 424913.10N/1095429.70W.

QUALITY
2
CHECKED

(5) City, State PINEDALE, WY	(6) Airport PINEDALE/RALPH WENZ FIELD	(7) Effective Date 22 OCT 2009	(8) Amdt. No. 2

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30688 ; Amdt. No. 3341]

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: Harry J. Hodges, 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.

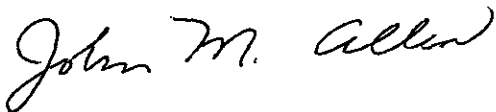
CONCLUSION

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 September 18, 2009.

A handwritten signature in cursive script that reads "John M. Allen".

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
22-Oct-09	TX	LLANO	LLANO MUNI	9/7728	9/3/2009	VOR-A, AMDT 3
22-Oct-09	NY	SARATOGA SPRINGS	SARATOGA COUNTY	9/8985	9/10/2009	RNAV (GPS) RWY 23, AMDT 1
22-Oct-09	AK	KOTLIK	KOTLIK	9/8994	9/10/2009	RNAV (GPS) RWY 2, ORIG-A
22-Oct-09	CA	LONG BEACH	LONG BEACH/DAUGHERTY FIELD	9/9048	9/10/2009	VOR OR TACAN RWY 30, AMDT 8A
22-Oct-09	CA	LONG BEACH	LONG BEACH/DAUGHERTY FIELD	9/9049	9/10/2009	ILS OR LOC RWY 30, AMDT 32D
22-Oct-09	OR	NEWPORT	NEWPORT MUNI	9/9058	9/10/2009	VOR/DME RWY 34, AMDT 1
22-Oct-09	CA	GRASS VALLEY	NEVADA COUNTY AIRPARK	9/9062	9/10/2009	GPS RWY 7, ORIG
22-Oct-09	CA	GRASS VALLEY	NEVADA COUNTY AIRPARK	9/9064	9/10/2009	VOR OR GPS-A, AMDT 1

AIRAC Date: 22-Oct-2009

FDC 9/7728 AQO FI/P LLANO MUNI, LLANO, TX. VOR A, AMDT 3...DELETE
NOTE: USE BURNET MUNI KATE CRADDOCK FIELD ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE
BURNET ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, AND
CIRCLING CAT B VISIBILITY 1/4 MILE. CHART TAKEOFF MINIMUMS
SYMBOL. THIS IS VOR A, AMDT 3A.

FDC 9/8985 5B2 FI/P SARATOGA COUNTY, SARATOGA SPRINGS, NY. RNAV
(GPS) RWY 23, AMDT 1...CHART VDP AT 1.22 MILES TO RW23 (ASTERISK).
CHART NOTE: VDP NA WHEN USING ALBANY ALTIMETER SETTING.
DELETE NOTE: CIRCLING TO RWY 5/23 NA AT NIGHT. THIS IS RNAV (GPS)
RWY 23, AMDT 1A.

FDC 9/8994 2A9 FI/P KOTLIK, KOTLIK, AK. RNAV (GPS) RWY 2, ORIG-A...LNAV
CAT A/B MDA 500/HAT 485. CIRCLING CAT A/B MDA 560/HAA 545. THIS IS
RNAV (GPS) RWY 2, ORIG-B.

FDC 9/9048 LGB FI/P LONG BEACH/DAUGHERTY FIELD, LONG BEACH, CA.
VOR OR TACAN RWY 30, AMDT 8A...MISSED APPROACH: CLIMBING LEFT
TURN TO 2500 VIA HEADING 200 AND LAX R-145 TO PADDR INT/LAX 22 DME
AND HOLD. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
DELETE VDP. SLI VORTAC TO RW30: 2.80/70. THIS IS VOR OR TACAN RWY
30, AMDT 8B.

FDC 9/9049 LGB FI/P LONG BEACH/DAUGHERTY FIELD, LONG BEACH, CA.
ILS OR LOC RWY 30, AMDT 32D...S-ILS 30 DA 250/HAT 212 ALL CATS. S-LOC
30 MDA 520/HAT 482 ALL CATS. MISSED APPROACH: CLIMB TO 800 THEN
CLIMBING LEFT TURN TO 2600 VIA HEADING 200 AND LAX R-145 TO PADDR
INT/LAX 22 DME AND HOLD. THIS IS ILS OR LOC RWY 30,, AMDT 32E.

FDC 9/9058 ONP FI/P NEWPORT MUNI, NEWPORT, OR. VOR/DME RWY 34,
AMDT 1...TERMINAL ROUTE FROM JANAS/17.00 DME TO TULBE/17.00 DME:
MINIMUM ALTITUDE 3700. THIS IS VOR/DME RWY 34, AMDT 1A.

FDC 9/9062 GOO FI/P NEVADA COUNTY AIR PARK, GRASS VALLEY, CA. GPS
RWY 7, ORIG...DELETE CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING
ON CTAF, WHEN NOT RECEIVED, USE BLUE CANYON ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE
EMIGRANT GAP ALTIMETER SETTING. CHART VDP AT 0.86 NM TO OGLUY.
S-7 MDA 3540/HAT 412 CATS A/B/C. VIS CAT C 1 1/4. CHANGE BLUE CANYON
ALTIMETER SETTING MINIMUMS TO EMIGRANT GAP ALTIMETER SETTING
MINIMUMS. EMIGRANT GAP ALTIMETER SETTING: S-7 MDA 3880/HAT 752.
VIS CAT A 1, CAT B 1 1/4, CAT C 2 1/4. THIS IS GPS RWY 7, ORIG-A.

FDC 9/9064 GOO FI/P NEVADA COUNTY AIR PARK, GRASS VALLEY, CA. VOR OR GPS A, AMDT 1...DELETE CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE BLUE CANYON ALTIMETER SETTING; WHEN NEITHER IS RECEIVED, PROCEDURE NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EMIGRANT GAP ALTIMETER SETTING. THIS IS VOR OR GPS A, AMDT 1A.