U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 10-19 **August 6, 2010**

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

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

The following are corrected copies of procedures that were previously published in TL 10-17 and TL 10-18:

Savannah, GA, Savannah/Hilton Head Intl, RNAV (RNP) Y RWY 28, Orig
Marshalltown, IA, Marshalltown Muni, RNAV (GPS) RWY 31, Orig
Starkville, MS, George M Bryan, RNAV (GPS) RWY 36, Amdt 2
Tulsa, OK, Tulsa Intl, RNAV (RNP) Z RWY 26, Orig
Charleston, SC, Charleston AFB/Intl, ILS OR LOC/DME RWY 33, Amdt 7

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MAYAR (40E)	ZELGI (TF)(FB) (RNP 1.00) (40E) (43A)	094.97/18.43	6000
ZELGI (IAF) (40E) (43A)	MODAE (TF)(FB) (RNP 0.30) (40E)	095.16/6.50	4500
MODAE (40E)	CARIK (RF)(FB) (RNP 0.30) (40E)	(3.70 NM RADIUS CW CFJVS)/ 6.49	3000
UCETA (IAF) (40E) (43A)	CARIK (TF)(FB) (RNP 0.30) (40E)	195.69/2.01	3000
CARIK (40E)	DUCAN (RF)(FB) (RNP 0.30) (40E) (41E) (43B)	(3.70 NM RADIUS CW CFJVS)/5.23	2000
KELER (40E)	RLENE (TF) (FB) (RNP 1.00) (40E) (43A)	064.28/6.21	5000
RLENE (IAF) (40E) (43A)	HOTAN (TF) (FB) (RNP 0.30) (40E)	064.33/4.50 (CONTINUED ON PAGE 2)	4000

MISSED APPROACH

MAP: DA

CLIMB TO 2500 ON 276.63 TRACK TO HANGI AND HOLD

This is a CORRECTED COPY, see page 2 of 2 for details.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 276.63 INBOUND
CHART FAS OBST: 150 ANT 320730.54N/0811020.65W
CHART FAS OBST: 157 ANT 320701.84N/0811003.77W

1. PT **NA** SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. **PROFILE STARTS AT DUCAN**
3. FAC: **276.69** FAF: _____ DIST FAF TO MAP: _____ THLD: _____
4. MIN. ALT: **DUCAN 2000, OSANE 1800**
5. DIST TO THLD FROM OM: **5.34** MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____
6. MIN GS INCPT: **1800** GS ALT AT: **OSANE 1800** OM: _____ MM: _____ IM: _____
7. GS ANGLE: **3.00** TCH: **52.0#** **34:1 IS CLEAR**
8. MSA FROM: **RWY 28 2600**

DISTANCE TO THLD FROM 411 HAT: 1.14 NM
DISTANCE TO THLD FROM 473 HAT: 1.33 NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: A, S
#TCH 102.2 MSL (DO NOT CHART)

MAG VAR: **6W** EPOCH YEAR: **2005**

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.15 DA	**461**	**1 1/2**	**411**	**461**	**1 1/2**	**411**	**461**	**1 1/2**	**411**	**461**	**1 1/2**	**411**			
RNP 0.30 DA	**523**	**1 3/4**	**473**	**523**	**1 3/4**	**473**	**523**	**1 3/4**	**473**	**523**	**1 3/4**	**473**			

NOTES: **CHART NOTE: GPS REQUIRED.**
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -6C (22F) OR ABOVE 49C (120F).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NOT AUTHORIZED.
CHART PLANVIEW NOTE AT KELER, TYBEE, FEXEM, UCETA, MAYAR: (RNP 0.30)
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TYBEE ON V1 SOUTHBOUND, AT KELER ON V437-441 SOUTHBOUND AND AT MAYAR ON V154 NORTHWEST BOUND.

CITY AND STATE	ELEVATION: 50 TDZE: 50 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAVANNAH, GA	**SAVANNAH/HILTON HEAD INTL**	**RNAV**	23 SEP 2010 **RNAV (RNP) Y RWY 28, ORIG**	AMDT: **NONE** DATED

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TERMINAL ROUTES (CONT'D)

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HOTAN (40E)	GRILO (RF) (FB) (RNP 0.30) (40E)	(3.70NM RADIUS CCW FFMGN)/4.32	3000
TYBEE (40E)	ATEYO (TF) (FB) (RNP 1.00) (40E) (43A)	343.76/13.13	3500
ATEYO (IAF) (40E) (43A)	GRILO (TF) (FB) (RNP 0.30) (40E)	357.43/2.02	3000
GRILO (40E)	DUCAN (RF) (FB) (RNP 0.30) (40E) (41E) (43B)	(3.70NM RADIUS CCW FFMGN)/5.21	2000
FEXEM (IAF) (40E) (43A)	DUCAN (TF) (FB) (RNP 0.30) (40E) (41E) (43B)	276.75/4.13	2000
DUCAN (IF) (40E)	OSANE (TF) (FB) (RNP 0.30) (40E) (43F)	276.71/2.00	1800
OSANE (FAF) (40E) (43F)	RW28 (TF) (FO) (RNP 0.30) (40G) (41Y) (43M)	276.69/5.34	
RW28 (40G) (41Y) (43M)	HANGI (TF) (FB) (RNP 1.00) (40E) (41E) (43H)	276.63/13.72	2500

NOTES (CONT'D)

CHART PLANVIEW NOTE AT RLENE, ATEYO, UCETA, ZELGI: RF REQUIRED.
CHART PLANVIEW NOTE AT HOTAN, GRILO, CARIK, MODAE: MAX 210 KIAS.
CHART ALTITUDES IN PLANVIEW AT THE FOLLOWING FIXES: MAYAR AT OR ABOVE 10000, UCETA AT OR ABOVE 3500, FEXEM AT OR ABOVE 2500, KELER AT OR ABOVE 6000, TYBEE AT OR ABOVE 6000, ATEYO AT OR ABOVE 3500, ZELGI AT OR ABOVE 6000.
CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS FROM UCETA AND FEXEM.

THIS IS A CORRECTED COPY PREVIOUSLY PUBLISHED IN TL 10-18.
THE CHANGES ARE:
1. Changed terminal routes MODAE to CARIK and CARIK to DUCAN CNF fix name from FFMGN to CFJVS.
2. Changed terminal routes HOTAN to GRILO and GRILO to DUCAN CNF fix name from CFJVS to FFMGN.
3. Changed fix name ADELE to ATEYO on lines 1 and 4 in the Notes (cont'd) section of the 8260-10.

CITY AND STATE	ELEVATION: 50 TDZE: 50 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAVANNAH, GA	SAVANNAH/HILTON HEAD INT'L	RNAV	23 SEP 2010 RNAV (RNP) Y RWY 28, ORIG	AMDT: NONE DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ALO VORTAC →	WOTMI (FB)	199.60 / 31.47	2600
TNU VOR/DME →	JEPTO (FB)	057.63 / 17.16	2600
→ WOTMI (IAF)	VUNDY (NOPT) (FB)	216.26 / 5.00	2600
→ JEPTO (IAF)	VUNDY (NOPT) (FB)	036.17 / 5.00	2600
VUNDY (IF/IAF)	BEKFY (FB)	306.21 / 6.00	2600
BEKFY (FAF)	JIPTI/2.10 NM TO RW31 (FB)	306.14 / 2.83	
(SEE FORM 8260-10)			

This is a corrected copy of a procedure published in TL 10-18.

MISSED APPROACH

LNAV: RW31

CLIMB TO 2700 DIRECT BRIDY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 125.94 INBOUND.
CHART FAS OBST: 1089 TREE 420433N/0925233W
BEKFY TO RW31: 3.04/37.

1. PT ___ SIDE OF COURSE ___ OUTBOUND ___ FT WITHIN ___ MILES OF ___ (IAF)
2. HOLD SE VUNDY, RT, 306.21 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 306.14 FAF: BEKFY DIST FAF TO MAP: 4.93 THLD: 4.93
4. MIN. ALT: VUNDY 2600, BEKFY 2600, JIPTI/2.10 NM TO RW31 1680
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: RW31 2800

MAG VAR: 1E EPOCH YEAR: 2010

MINIMUMS

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

CATEGORY ====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1340	1	367	1340	1	367	1340	1	367	1340	1 1/4	367			
CIRCLING	1400	1	426	1440	1	466	1440	1 1/2	466	1540	2	566			

NOTES:
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 31 PROCEDURE NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRINNELL ALTIMETER SETTING AND INCREASE ALL MDA 80 FT; INCREASE LNAV CAT C AND D VISIBILITY 1/4 MILE.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 974 TDZE: 973 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	MARSHALLTOWN MUNI	RNAV	RNAV (GPS) RWY 31, ORIG, 09/23/2010	AMDT: NONE
			23 SEP 2010	DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JIPTI/2.10 NM TO RW31	RW31 (MAP) (FO)	306.11 / 2.10	
RW31 (MAP)	1340 MSL	306.11	
1340 MSL	BRIDY (FO)		2700

NOTES, (CONT.):
CHART NOTE: PROCEDURE NA FOR ARRIVALS ON ALO VORTAC AIRWAY RADIALS 140 CW 209.
CHART NOTE: PROCEDURE NA FOR ARRIVALS ON TNU VOR/DME AIRWAY RADIALS 031 CW 081.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 974 TDZE: 973 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	MARSHALLTOWN MUNI	RNAV	RNAV (GPS) RWY 31, ORIG, 09/23/2010 23 SEP 2010	AMDT: NONE
				DATED:

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ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        ALO   K3011220VTHA N42332340W092235620    N42332340W092235620E0060008652    NARWATERLOO                 G
          SUSAD        TNU   K3011250VDL  N41470176W093063232    N41470176W093063232E0020009801    NARNEWTON                   G

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   BEKFY K30    W     N42033288W092491665                E0008     NAR          BEKFY                       G
          SUSAEAENRT   BRIDY K30    W     N42133611W093071079                E0010     NAR          BRIDY                       G
          SUSAEAENRT   JEPTO K30    W     N41555616W092465483                E0007     NAR          JEPTO                       G
          SUSAEAENRT   JIPTI K30    W     N42051542W092521848                E0008     NAR          JIPTI                       G
          SUSAEAENRT   VUNDY K30    W     N41595526W092425176                E0007     NAR          VUNDY                       G
          SUSAEAENRT   WOTMI K30    W     N42035421W092384819                E0006     NAR          WOTMI                       G

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMIWK3AMIW     0     050YHN42064581W092550404E001000974        1800018000C    MNAR    MARSHALLTOWN MUNI           G

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMIWK3FR31   AALO   010ALO  K3D 0V       IF                                                18000          B JS   G
          SUSAP KMIWK3FR31   AALO   020WOTMIK3EA0E  A 020TF                    19960315    + 02600                      B JS   G
          SUSAP KMIWK3FR31   AALO   030VUNDYK3EA0EE B 010TF                    21630050    + 02600                      B JS   G
          SUSAP KMIWK3FR31   ATNU   010TNU  K3D 0V       IF                                                18000          B JS   G
          SUSAP KMIWK3FR31   ATNU   020JEPTOK3EA0E  A 020TF                    05760172    + 02600                      B JS   G
          SUSAP KMIWK3FR31   ATNU   030VUNDYK3EA0EE B 010TF                    03620050    + 02600                      B JS   G
          SUSAP KMIWK3FR31   AVUNDY 010VUNDYK3EA0EE AR   HF                  30620040    + 02600    18000             B JS   G
          SUSAP KMIWK3FR31   R      010VUNDYK3EA0E  I    IF                               + 02600    18000             B JS   G
          SUSAP KMIWK3FR31   R      020BEKFYK3EA1E  F 051TF                    30620060    + 02600              RW31  K3PGB JS   G
          SUSAP KMIWK3FR31   R      020BEKFYK3EA2WN          N        ALNAV                                                JS   G
          SUSAP KMIWK3FR31   R      021JIPTIK3EA0E S  031TF                    30610028    V 0168001690       -304          B JS   G
          SUSAP KMIWK3FR31   R      030RW31 K3PG0GY M 031TF                    30610021      01008            -304          B JS   G
          SUSAP KMIWK3FR31   R      040         0  M  010CA                    3061        + 01340                      B JS   G
          SUSAP KMIWK3FR31   R      050BRIDYK3EA0EY   010DF                              + 02700                      B JS   G
          SUSAP KMIWK3FR31   R      060BRIDYK3EA0EE  R020HM                    12590040    + 02700                      B JS   G
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 974 TDZE: 973	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	AIRPORT NAME: MARSHALLTOWN MUNI	RNAV	RNAV (GPS) RWY 31, ORIG, 09/23/2010 23 SEP 2010	AMDT: NONE
				DATED:

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```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMIWK3GRW31    0050063061 N42063144W092543349+0100    +0264400971000037100R                                 G

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMIWK3SRW31 K3PG              0   18018002825                                                          M   G
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 974 TDZE: 973	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	AIRPORT NAME: MARSHALLTOWN MUNI	RNAV	RNAV (GPS) RWY 31, ORIG, 09/23/2010 23 SEP 2010	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BUGKA (IAF)	KIMVE (NOPT) (FB)	269.61 / 5.00	2800
CANBU (IAF)	KIMVE (NOPT) (FB)	089.50 / 5.00	2800
KIMVE (IF/IAF)	ACOVO (FB)	359.56 / 6.10	2000

This is a corrected copy of a procedure published in TL 10-18, dated 23 July 2010.
** There is NO correction to this procedure. It was included in the TL Cover Sheet listing, but the actual 8260-3 procedure was accidentally omitted from the TL. **

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

CLIMB TO 3400 DIRECT FESBO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3400.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S KIMVE, LT, 359.56 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC: 359.56 FAF: ACOVO DIST FAF TO MAP: 5.07 THLD: 5.07
4. MIN. ALT: KIMVE 2800, ACOVO 2000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: ACOVO 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.4 34:1 IS NOT CLEAR
8. MSA FROM: ____

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 179.56 INBOUND.
CHART FAS OBST: 464 TWR 332438N/0885048W
CHART FAS OBST: 523 TWR 332245N/0885155W
DISTANCE TO THLD FROM 200 HAT: 0.52 NM.
CHART VDP AT 1.25 MILES TO RW36* *LNAV ONLY.
WAAS CHANNEL # 53604
REFERENCE PATH ID: W36A
CHART R-4404 A, B, C

MAG VAR: 1W EPOCH YEAR: 2005

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	526	3/4	200	526	3/4	200	526	3/4	200	526	3/4	200			
LNAV/VNAV DA	771	1 1/2	445	771	1 1/2	445	771	1 1/2	445	771	1 1/2	445			
LNAV MDA	760	1	434	760	1	434	760	1 1/4	434	760	1 1/2	434			
CIRCLING	920	1	587	920	1	587	920	1 1/2	587	920	2	587			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING GOLDEN TRIANGLE RGNL 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

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 333 TDZE: 326 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
STARKVILLE, MS	GEORGE M BRYAN	RNAV	RNAV (GPS) RWY 36, AMDT 2 23 SEP 2010	AMDT: 1 DATED 08/30/2007

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NOTES CONT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GOLDEN TRIANGLE RGNL ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET; INCREASE LNAV/VNAV VISIBILITY ALL CATS AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: VDP NA WHEN USING GOLDEN TRIANGLE RGNL ALTIMETER SETTING

TAA

	FROM	TO	ALT
1.	270/30 CW 090/30 (NOPT)	KIMVE (IF/IAF) (FB)	2800
2.	090/30 CW 180/30	CANBU (IAF) (FB)	3400
3.	180/30 CW 270/30	BUGKA (IAF) (FB)	3400

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 333 TDZE: 326	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
STARKVILLE, MS	AIRPORT NAME: GEORGE M BRYAN	RNAV	RNAV (GPS) RWY 36, AMDT 2 23 SEP 2010	AMDT: 1
				DATED: 08/30/2007

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSTF
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	332531.7735N
LTP/FTP LONGITUDE	0885054.1460W
LTP/FTP ELLIPSOIDAL HEIGHT	+00696
FPAP LATITUDE	332701.0100N
FPAP LONGITUDE	0885056.8300W
THRESHOLD CROSSING HEIGHT (TCH)	00040.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1056
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	C13B19AA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00978
FPAP ORTHOMETRIC HEIGHT	+00978

QUALITY 2 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
STARKVILLE, MS	ELEVATION: 333 TDZE: 326 AIRPORT NAME: GEORGE M BRYAN	RNAV	RNAV (GPS) RWY 36, AMDT 2 23 SEP 2010	SUP: AMDT: 1 DATED: 08/30/2007

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ACOVO K70    W     N33202684W088504502                    W0012     NAR          ACOVO
        SUSAEAENRT   BUGKA K70    W     N33142792W088443650                    W0013     NAR          BUGKA
        SUSAEAENRT   CANBU K70    W     N33141281W088563163                    W0012     NAR          CANBU
        SUSAEAENRT   FESBO K70    W     N33372047W088511545                    W0013     NAR          FESBO
        SUSAEAENRT   KIMVE K70    W     N33142051W088503407                    W0012     NAR          KIMVE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTFK7ASTF     0     055YHN33255920W088505500W001000333         18000018000C    MNAR    GEORGE M BRYAN

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTFK7FR36   ABUGKA 010BUGKAK7EA0E  A    IF                                          18000                A JS
        SUSAP KSTFK7FR36   ABUGKA 020KIMVEK7EA0EE B 010TF                    26960050    + 02800                      A JS
        SUSAP KSTFK7FR36   ACANBU 010CANBUK7EA0E  A    IF                                          18000                A JS
        SUSAP KSTFK7FR36   ACANBU 020KIMVEK7EA0EE B 010TF                    08950050    + 02800                      A JS
        SUSAP KSTFK7FR36   AKIMVE 010KIMVEK7EA0EE AL   HF                    35960040    + 02800     18000            A JS
        SUSAP KSTFK7FR36   R      010KIMVEK7EA0E  I    IF                                + 02800     18000            A JS
        SUSAP KSTFK7FR36   R      020ACOVOK7EA1E  F 051TF                    35960061    + 02000                      A JS
        SUSAP KSTFK7FR36   R      020ACOVOK7EA2WALPV       ALNAV/VNAV ALNAV                                          JS
        SUSAP KSTFK7FR36   R      030RW36 K7PG0GY M 031TF                    35960051      00361          -300        A JS
        SUSAP KSTFK7FR36   R      040         0  M  010CA                    3596        + 00526                      A JS
        SUSAP KSTFK7FR36   R      050FESBOK7EA0EY   010DF                               + 03400                      A JS
        SUSAP KSTFK7FR36   R      060FESBOK7EA0EE  R020HM                    17960040    + 03400                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTFK7GRW36    0055503596 N33253177W088505415+0200    +00696003210000401 50R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTFK7PR36   RW36 001 0000W36A0N33253177 35W08850541460+006960300N33270101 00W088505683001067510560004 04F400350C13B19AA
```



CITY AND STATE	ELEVATION: 333 TDZE: 326	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
STARKVILLE, MS	AIRPORT NAME: GEORGE M BRYAN	RNAV	RNAV (GPS) RWY 36, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 08/30/2007

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTFK7PR36   RW36 002E      +00978+00978LPV       53604
```

CHECKED

CITY AND STATE	ELEVATION: 333 TDZE: 326	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
STARKVILLE, MS	AIRPORT NAME: GEORGE M BRYAN	RNAV	RNAV (GPS) RWY 36, AMDT 2 23 SEP 2010	AMDT: 1
				DATED: 08/30/2007

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CHEES (IAF)	JESON (TF) (FB) (RNP 1.00)	216.34/14.57	3600
OWETA (IAF)	JESON (TF) (FB) (RNP 1.00)	329.11/8.56	3600
JESON (IF)	MIROE (TF) (FB) (RNP 1.00)	263.58/7.51	2300
MIROE (FAF)	RW26 (TF) (FO)	263.49/4.99	
RW26 (MAP)	HAGIL (TF) (FO) (RNP 1.00)	263.43/13.82	3700

This is a corrected copy of a procedure published in TL 10-18.
** Page 3 was inadvertently omitted. **

MISSED APPROACH

MAP DA

CLIMB TO 3700 ON TRACK 263.43 TO HAGIL AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 083.27 INBOUND.
DISTANCE TO THLD FROM 286 HAT: 0.78NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 690 MSL (DO NOT CHART)
CHART ASR

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT JESON
3. FAC: 263.49 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: JESON 3600, MIROE 2300
5. DIST TO THLD FROM OM: 4.99 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2300 GS ALT AT: MIROE 2300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.0# 34:1 IS CLEAR
8. MSA FROM: RW26 3600

MAG VAR: 6E 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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30 DA	937	1	286	937	1	286	937	1	286	937	1	286			

NOTES:
CHART NOTE: GPS REQUIRED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -13C (7F) OR ABOVE 47C (118F).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CHEES VIA V14 NORTHEAST BOUND AND FOR ARRIVALS AT OWETA VIA V74 SOUTHEAST BOUND.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 677 TDZE: 651 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TULSA, OK	TULSA INTL	RNAV	23 SEP 2010 RNAV (RNP) Z RWY 26, ORIG	AMDT: NONE 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.

ARINC PACKET - 424-18 - RNAV (RNP)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   CHEES K40    R   L N36223863W095245220                    E0031     NAR           CHEES
          SUSAEAENRT   HAGIL K40    W     N36113487W096093120                    E0036     NAR           HAGIL
          SUSAEAENRT   JESON K40    W     N36115073W095365993                    E0033     NAR           JESON
          SUSAEAENRT   MIROE K40    W     N36114710W095461689                    E0034     NAR           MIROE
          SUSAEAENRT   OWETA K40    R   L N36040416W095323281                    E0032     NAR           OWETA

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KTULK4ATUL     0     099YHN36115420W095531720E006000677        1800018000C    MNAR    TULSA INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KTULK4FR26-Z ACHEES 010CHEESK4EA0E  A    IF                                          18000                A PS
          SUSAP KTULK4FR26-Z ACHEES 020JESONK4EA0EE B 010TF                    21630146    + 03600                      A PS
          SUSAP KTULK4FR26-Z AOWETA 010OWETAK4EA0E  A    IF                                          18000                A PS
          SUSAP KTULK4FR26-Z AOWETA 020JESONK4EA0EE B 010TF                    32910086    + 03600                      A PS
          SUSAP KTULK4FR26-Z R      010JESONK4EA0E  I    IF                                + 03600  18000                A PS
          SUSAP KTULK4FR26-Z R      020MIROEK4EA1E  F 010TF                    26360075    + 02300            RW26  K4PGA PS
          SUSAP KTULK4FR26-Z R      020MIROEK4EA2W                                          A031                       PS
          SUSAP KTULK4FR26-Z R      030RW26 K4PG0GY M 031TF                    26350050      00690          -300         A PS
          SUSAP KTULK4FR26-Z R      040HAGILK4EA0EYM  010TF                    26340138    + 03700                      A PS
          SUSAP KTULK4FR26-Z R      050HAGILK4EA0EE  R020HM                    08330040    + 03700                      A PS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KTULK4GRW26     0073762634 N36114428W095522653+0500     +0164000633000057150R

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KTULK4SRW26 K4PG               0   18018003625                                                              M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 677 TDZE: 651	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TULSA, OK	AIRPORT NAME: TULSA INTL	RNAV	RNAV (RNP) Z RWY 26, ORIG 23 SEP 2010	AMDT: NONE DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC FLIGHT INSPECTION SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	CHEES	CHEES	010	IAF	IF		FB				
	CHEES	JESON	020		TF		FB	1.0	216.3(222T)	014.6	AA 03600
	OWETA	OWETA	010	IAF	IF		FB				
	OWETA	JESON	020		TF		FB	1.0	329.1(335T)	008.6	AA 03600
		JESON	010	FACF	IF		FB				AA 03600
		MIROE	020	FAF	TF		FB	1.0	263.6(270T)	007.5	AA 02300
		RW26	030	MAP	TF		FO	0.3	263.5(270T)	005.0	AT 00690

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	HAGIL	040		TF		FO	1.0	263.4(269T)	013.8	AA 03700
	HAGIL	050		HM	R	FO	2.0	083.3(089T)	004.0	AA 03700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CHEES	N362238.63	W0952452.20	N3622.644	W09524.870
	HAGIL	N361134.87	W0960931.20	N3611.581	W09609.520
	JESON	N361150.73	W0953659.93	N3611.846	W09536.999
	MIROE	N361147.10	W0954616.89	N3611.785	W09546.282
	OWETA	N360404.16	W0953232.81	N3604.069	W09532.547
	RW26	N361144.28	W0955226.53	N3611.738	W09552.442

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	00633	57

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 677 TDZE: 651	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TULSA, OK	AIRPORT NAME: **TULSA INTL**	**RNAV**	**RNAV (RNP) Z RWY 26, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CHS VORTAC	SHRMP/CHS 12.26 DME/RADAR	151.65 / 12.26	3000
SHRMP/CHS 12.26 DME/RADAR (IF/IAF)	GAATR/CHS 6.16 DME	332.42 / 6.09 (I-CCI)	2000

CORRECTED COPY PREVIOUSLY PUBLISHED IN TL 10-17.
CHANGED TRMNL ROUTE DISTANCE FROM:6.16 TO: 6.09.
CHANGED ALT MINS TO INCLUDE EXCEPTION FOR LOC CAT E.

MISSED APPROACH

ILS: DA
LOC: CHS 0.31 DME FIX

CLIMB TO 500 THEN CLIMBING LEFT TURN TO 2100 ON CHS VORTAC R-300 TO GISTS INT/CHS 15.72 DME AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE SHRMP, RT, 332.42 INBOUND, 3000 FT. IN LIEU OF PT (IF/IAF)
3. FAC: 332.42 FAF: GAATR/CHS 6.16 DME DIST FAF TO MAP: ____ THLD: 5.90
4. MIN. ALT: SHRMP 3000, GAATR 2000, SOGTY/CHS 3.26 DME 1040*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 873
6. MIN GS INCPT: 2000 GS ALT AT: GAATR 2000 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 50.9
8. MSA FROM: CHS VORTAC 3100

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 120.08 INBOUND.
CHART FAS OBST: 86 TREE 325319N/0800159W 234 AAO 325101N/0795924W.
CHART UDSOM OM IN HALF-TONE.
CHART W-133 & W-134.
CHART KJZI IN PLANVIEW.
CHART VDP AT 1.22 DME*; DIST VDP TO THLD 0.91 MILES.

MAG VAR: 5W EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 33	245	2400	200	245	2400	200	245	2400	200	245	2400	200	245	2400	200
S-LOC 33	380	2400	335	380	2400	335	380	2400	335	380	4000	335	380	4000	335
CIRCLING	540	1	494	540	1	494	540	1 1/2	494	600	2	554	740	2 1/2	694

NOTES:
CHART NOTE: DME FROM CHS VORTAC. SIMULTANEOUS RECEPTION OF I-CCI AND CHS DME REQUIRED.
CHART NOTE: DME REQUIRED.
CHART PLANVIEW NOTE: DME REQUIRED.
*LOC ONLY
(SEE FORM 8260-10)

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

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 46 TDZE: 45	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS OR LOC RWY 33
CHARLESTON, SC	AIRPORT NAME: CHARLESTON AFB/INTL	I-CCI	ILS OR LOC/DME RWY 33, AMDT 7 23 SEP 2010	AMDT: 6 DATED 04/10/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 33 CAT E VISIBILITY TO RVR 4000, INCREASE S-LOC 33 CAT D VISIBILITY TO RVR 5000 AND CAT E VISIBILITY TO RVR 6000.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 46 TDZE: 45	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: ILS OR LOC RWY 33
CHARLESTON, SC	AIRPORT NAME: **CHARLESTON AFB/INTL**	**I-CCI**	**ILS OR LOC/DME RWY 33, AMDT 7** 23 SEP 2010	AMDT: **6**
				DATED: **04/10/2008**

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30738 ; Amdt. No. 3386]

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 August 6, 2010

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 23 SEP 2010

Shungnak, AK, Shungnak, RNAV (GPS) RWY 9, Amdt 1
Shungnak, AK, Shungnak, RNAV (GPS) RWY 27, Amdt 1
Bessemer, AL, Bessemer, GPS RWY 23, Orig-A, CANCELLED
Bessemer, AL, Bessemer, ILS OR LOC RWY 5, Amdt 2
Bessemer, AL, Bessemer, RNAV (GPS) RWY 5, Amdt 1
Bessemer, AL, Bessemer, RNAV (GPS) RWY 23, Orig
Vernon, AL, Lamar County, Takeoff Minimums and Obstacle DP, Amdt 2
Lincoln, CA, Lincoln Rgnl/Karl Harder Field, ILS OR LOC RWY 15, Amdt 1
Lincoln, CA, Lincoln Rgnl/Karl Harder Field, RNAV (GPS) RWY 15, Orig
Paso Robles, CA, Paso Robles Muni, RNAV (GPS) RWY 19, Orig
Paso Robles, CA, Paso Robles Muni, VOR/DME RWY 19, Amdt 4
Paso Robles, CA, Paso Robles Muni, VOR/DME-B, Amdt 3
Paso Robles, CA, Paso Robles Muni, VOR OR GPS-A, Amdt 1, CANCELLED
Santa Rosa, CA, Charles M Schulz-Sonoma County, RNAV (GPS) RWY 14, Amdt 1
Colorado Springs, CO, City of Colorado Springs Muni, ILS OR LOC RWY 17L, Amdt 1
Colorado Springs, CO, City of Colorado Springs Muni, ILS OR LOC RWY 35L, Amdt 37
Colorado Springs, CO, City of Colorado Springs Muni, ILS OR LOC RWY 35R, Amdt 1
Colorado Springs, CO, City of Colorado Springs Muni, NDB RWY 35L, Amdt 26
Colorado Springs, CO, City of Colorado Springs Muni, RNAV (GPS) RWY 31, Amdt 1
Colorado Springs, CO, City of Colorado Springs Muni, RNAV (GPS) Y RWY 17L, Amdt 1
Colorado Springs, CO, City of Colorado Springs Muni, RNAV (GPS) Y RWY 35L, Orig
Colorado Springs, CO, City of Colorado Springs Muni, RNAV (GPS) Y RWY 35R, Amdt 3
Colorado Springs, CO, City of Colorado Springs Muni, Takeoff Minimums and Obstacle DP, Amdt 9
Longmont, CO, Vance Brand, RNAV (GPS) RWY 29, Amdt 1A
Windsor Locks, CT, Bradley Intl, RNAV (GPS) Y RWY 15, Amdt 1A
Palatka, FL, Palatka Muni-Lt. Kay Larkin Field, NDB RWY 9, Amdt 3
Palatka, FL, Palatka Muni-Lt. Kay Larkin Field, RNAV (GPS) RWY 9, Orig
Palatka, FL, Palatka Muni-Lt. Kay Larkin Field, RNAV (GPS) RWY 27, Orig
Tifton, GA, Henry Tift Myers, NDB RWY 33, Amdt 1
Tifton, GA, Henry Tift Myers, RNAV (GPS) RWY 28, Orig
Tifton, GA, Henry Tift Myers, RNAV (GPS) RWY 33, Orig
Tifton, GA, Henry Tift Myers, VOR RWY 28, Amdt 10
Cedar Rapids, IA, The Eastern Iowa, RNAV (GPS) RWY 8, Orig, CANCELLED
Cedar Rapids, IA, The Eastern Iowa, RNAV (GPS) RWY 9, Amdt 2
Cedar Rapids, IA, The Eastern Iowa, RNAV (GPS) RWY 26, Orig, CANCELLED
Cedar Rapids, IA, The Eastern Iowa, Takeoff Minimums and Obstacle DP, Amdt 4
Cedar Rapids, IA, The Eastern Iowa, VOR RWY 26, Orig, CANCELLED
Cedar Rapids, IA, The Eastern Iowa, VOR/DME RWY 8, Orig, CANCELLED

Cedar Rapids, IA, The Eastern Iowa, VOR/DME RWY 9, Amdt 17
Fort Madison, IA, Fort Madison Muni, RNAV (GPS) RWY 17, Orig
Fort Madison, IA, Fort Madison Muni, RNAV (GPS) RWY 35, Orig
Fort Madison, IA, Fort Madison Muni, Takeoff Minimums and Obstacle DP, Orig
Fort Madison, IA, Fort Madison Muni, VOR/DME-A, Amdt 7
Fort Madison, IA, Fort Madison Muni, VOR/DME RNAV OR GPS RWY 16, Amdt 4A, CANCELLED
Fort Madison, IA, Fort Madison Muni, VOR/DME RNAV OR GPS RWY 34, Amdt 4A, CANCELLED
Jefferson, IA, Jefferson Muni, Takeoff Minimums and Obstacle DP, Amdt 3
Cahokia/St Louis, IL, St. Louis Downtown, Takeoff Minimum and Obstacle DP, Amdt 8
Champaign/Urbana, IL, University of Illinois-Willard, GPS RWY 18, Orig-B, CANCELLED
Champaign/Urbana, IL, University of Illinois-Willard, GPS RWY 36, Orig-B, CANCELLED
Champaign/Urbana, IL, University of Illinois-Willard, LOC/DME BC RWY 14L, Amdt 8
Champaign/Urbana, IL, University of Illinois-Willard, RNAV (GPS) RWY 14L, Orig
Champaign/Urbana, IL, University of Illinois-Willard, RNAV (GPS) RWY 18, Orig
Champaign/Urbana, IL, University of Illinois-Willard, RNAV (GPS) RWY 22, Amdt 1
Champaign/Urbana, IL, University of Illinois-Willard, RNAV (GPS) RWY 36, Orig
Champaign/Urbana, IL, University of Illinois-Willard, VOR/DME RWY 14L, Orig-A
Harrisburg, IL, Harrisburg-Raleigh, NDB RWY 24, Amdt 11
Harrisburg, IL, Harrisburg-Raleigh, RNAV (GPS) RWY 6, Amdt 1
Harrisburg, IL, Harrisburg-Raleigh, RNAV (GPS) RWY 24, Amdt 2
Harrisburg, IL, Harrisburg-Raleigh, Takeoff Minimums and Obstacle DP, Amdt 1
Norton, KS, Norton Muni, NDB RWY 16, Amdt 2
Norton, KS, Norton Muni, NDB RWY 34, Amdt 2
Norton, KS, Norton Muni, RNAV (GPS) RWY 16, Amdt 1
Norton, KS, Norton Muni, RNAV (GPS) RWY 34, Amdt 1
Greenville, KY, Muhlenberg County, RNAV (GPS) RWY 23, Orig
Greenville, KY, Muhlenberg County, VOR/DME-A, Amdt 5
New Orleans, LA, Louis Armstrong New Orleans Intl, ILS OR LOC RWY 28, Amdt 8
New Orleans, LA, Louis Armstrong New Orleans Intl, LOC RWY 19, Amdt 2
New Orleans, LA, Louis Armstrong New Orleans Intl, RNAV (GPS) Y RWY 10, Amdt 1
New Orleans, LA, Louis Armstrong New Orleans Intl, RNAV (GPS) Y RWY 19, Amdt 2
New Orleans, LA, Louis Armstrong New Orleans Intl, RNAV (RNP) Z RWY 10, Orig
New Orleans, LA, Louis Armstrong New Orleans Intl, RNAV (RNP) Z RWY 19, Orig
New Orleans, LA, Louis Armstrong New Orleans Intl, RNAV (RNP) Z RWY 28, Orig
Baltimore, MD, Baltimore-Washington Intl Thurgood Marshall, Takeoff Minimums and Obstacle DP, Amdt 9
Baltimore, MD, Martin State, ILS OR LOC RWY 33, Amdt 7, CANCELLED

Baltimore, MD, Martin State, LDA RWY 33, Orig
Muskegon, MI, Muskegon County, ILS OR LOC RWY 24, Amdt 5
Muskegon, MI, Muskegon County, RNAV (GPS) RWY 6, Amdt 1
Muskegon, MI, Muskegon County, RNAV (GPS) RWY 24, Amdt 1
Farmington, MO, Farmington Rgnl, Takeoff Minimums and Obstacle DP, Amdt 5
Rolla/Vichy, MO, Rolla National, GPS RWY 4, Orig, CANCELLED
Rolla/Vichy, MO, Rolla National, RNAV (GPS) RWY 4, Orig
Rolla/Vichy, MO, Rolla National, RNAV (GPS) RWY 22, Orig
Rolla/Vichy, MO, Rolla National, Takeoff Minimums and Obstacle DP, Orig
Rolla/Vichy, MO, Rolla National, VOR RWY 22, Amdt 8
Rolla/Vichy, MO, Rolla National, VOR/DME RWY 4, Amdt 3
Rolla/Vichy, MO, Rolla National, VOR/DME RNAV OR GPS RWY 22, Amdt 2C, CANCELLED
St Joseph, MO, Rosecrans Memorial, RNAV (GPS) RWY 35, Amdt 1
St Louis, MO, Spirit of St. Louis, Takeoff Minimums and Obstacle DP, Amdt 1
Missoula, MT, Missoula Intl, GPS-D, Orig-A, CANCELLED
Missoula, MT, Missoula Intl, ILS Y RWY 11, Orig
Missoula, MT, Missoula Intl, ILS Z RWY 11, Amdt 12
Missoula, MT, Missoula Intl, RNAV (GPS)-D, Orig
Missoula, MT, Missoula Intl, VOR/DME-A, Amdt 12
Missoula, MT, Missoula Intl, VOR/DME-B, Amdt 6
Elizabethtown, NC, Curtis L Brown JR Field, GPS RWY 15, Orig, CANCELLED
Elizabethtown, NC, Curtis L Brown JR Field, GPS RWY 33, Orig, CANCELLED
Elizabethtown, NC, Curtis L Brown JR Field, RNAV (GPS) RWY 15, Orig
Elizabethtown, NC, Curtis L Brown JR Field, RNAV (GPS) RWY 33, Orig
Elizabethtown, NC, Curtis L Brown JR Field, VOR/DME RWY 15, Amdt 2
Jefferson, NC, Ashe County, LOC RWY 28, Amdt 2
Alliance, NE, Alliance Muni, ILS OR LOC/DME RWY 30, Orig
Alliance, NE, Alliance Muni, LOC/DME RWY 30, Orig-B, CANCELLED
Alliance, NE, Alliance Muni, RNAV (GPS) RWY 30, Amdt 1
Hammonton, NJ, Hammonton Muni, RNAV (GPS) RWY 3, Amdt 1
Hammonton, NJ, Hammonton Muni, VOR-A, Amdt 7
Hammonton, NJ, Hammonton Muni, VOR-B, Amdt 2
Newark, NJ, Newark Liberty Intl, ILS OR LOC RWY 11, Amdt 2
Newark, NJ, Newark Liberty Intl, ILS OR LOC RWY 22R, Amdt 5
Deming, NM, Deming Muni, RNAV (GPS) RWY 4, Amdt 1
Deming, NM, Deming Muni, RNAV (GPS) RWY 8, Orig
Deming, NM, Deming Muni, RNAV (GPS) RWY 22, Orig
Weedsport, NY, Whitfords, VOR-A, Orig-B, CANCELLED
Columbus, OH, Port Columbus Intl, RNAV (GPS) Y RWY 10L, Amdt 2
Columbus, OH, Port Columbus Intl, RNAV (GPS) Y RWY 10R, Amdt 2
Columbus, OH, Port Columbus Intl, RNAV (GPS) Y RWY 28L, Amdt 2
Columbus, OH, Port Columbus Intl, RNAV (GPS) Y RWY 28R, Amdt 1
Columbus, OH, Port Columbus Intl, RNAV (RNP) Z RWY 10L, Orig

Columbus, OH, Port Columbus Intl, RNAV (RNP) Z RWY 10R, Orig
Columbus, OH, Port Columbus Intl, RNAV (RNP) Z RWY 28L, Orig
Columbus, OH, Port Columbus Intl, RNAV (RNP) Z RWY 28R, Orig
Dayton, OH, James M Cox Dayton Intl, RADAR-1, Amdt 9, CANCELLED
Mansfield, OH, Mansfield Lahm Rgnl, RNAV (GPS) RWY 5, Orig
Mansfield, OH, Mansfield Lahm Rgnl, RNAV (GPS) RWY 23, Orig
Mansfield, OH, Mansfield Lahm Rgnl, VOR/DME RNAV OR GPS RWY 23, Amdt 6A, CANCELLED
Blackwell, OK, Blackwell-Tonkawa Muni, GPS RWY 17, Orig-A, CANCELLED
Blackwell, OK, Blackwell-Tonkawa Muni, GPS RWY 35, Orig-A, CANCELLED
Blackwell, OK, Blackwell-Tonkawa Muni, RNAV (GPS) RWY 17, Orig
Blackwell, OK, Blackwell-Tonkawa Muni, RNAV (GPS) RWY 35, Orig
Blackwell, OK, Blackwell-Tonkawa Muni, VOR-A, Amdt 4
Duncan, OK, Halliburton Field, LOC RWY 35, Amdt 5
Duncan, OK, Halliburton Field, RNAV (GPS) RWY 17, Amdt 1
Duncan, OK, Halliburton Field, RNAV (GPS) RWY 35, Amdt 1
Duncan, OK, Halliburton Field, VOR RWY 35, Amdt 12
Shawnee, OK, Shawnee Rgnl, ILS OR LOC RWY 17, Amdt 2
Shawnee, OK, Shawnee Rgnl, RNAV (GPS) RWY 17, Amdt 1
Tulsa, OK, Tulsa Intl, RNAV (GPS) RWY 8, Amdt 1
Tulsa, OK, Tulsa Intl, RNAV (GPS) Y RWY 26, Amdt 3
Tulsa, OK, Tulsa Intl, VOR/DME RWY 8, Amdt 4
Tulsa, OK, Tulsa Intl, VOR OR TACAN RWY 26, Amdt 24
Eugene, OR, Mahlon Sweet Field, GPS RWY 16R, Orig-C, CANCELLED
Eugene, OR, Mahlon Sweet Field, ILS OR LOC/DME RWY 16R, ILS RWY 16R (CAT II), ILS RWY 16R (CAT III), Amdt 36
Eugene, OR, Mahlon Sweet Field, ILS OR LOC Y RWY 16R, Orig, CANCELLED
Eugene, OR, Mahlon Sweet Field, RNAV (GPS) RWY 16R, Orig
Eugene, OR, Mahlon Sweet Field, RNAV (GPS) RWY 34L, Amdt 1
Eugene, OR, Mahlon Sweet Field, RNAV (GPS) RWY 34R, Amdt 1
Eugene, OR, Mahlon Sweet Field, Takeoff Minimums and Obstacle DP, Amdt 7
Eugene, OR, Mahlon Sweet Field, VOR-A, Amdt 7
Eugene, OR, Mahlon Sweet Field, VOR/DME OR TACAN RWY 16R, Amdt 5
Eugene, OR, Mahlon Sweet Field, VOR/DME OR TACAN RWY 34L, Amdt 5
Klamath Falls, OR, Klamath Falls, VOR/DME OR TACAN RWY 14, Amdt 5A
Bradford, PA, Bradford Rgnl, ILS OR LOC RWY 32, Amdt 12
Bradford, PA, Bradford Rgnl, RNAV (GPS) RWY 14, Amdt 1
Bradford, PA, Bradford Rgnl, RNAV (GPS) RWY 32, Amdt 1
Bradford, PA, Bradford Rgnl, RNAV (GPS) Z RWY 14, Orig-A, CANCELLED
Bradford, PA, Bradford Rgnl, VOR RWY 14, Amdt 1
Bradford, PA, Bradford Rgnl, VOR/DME RWY 14, Amdt 10
Myrtle Beach, SC, Myrtle Beach Intl, ILS OR LOC RWY 18, Amdt 2
Myrtle Beach, SC, Myrtle Beach Intl, ILS OR LOC RWY 36, Amdt 2
Myrtle Beach, SC, Myrtle Beach Intl, RNAV (GPS) RWY 18, Amdt 2

Myrtle Beach, SC, Myrtle Beach Intl, RNAV (GPS) RWY 36, Amdt 2
Myrtle Beach, SC, Myrtle Beach Intl, VOR/DME-A, Amdt 1
North Myrtle Beach, SC, Grand Strand, GPS RWY 5, Orig-A, CANCELLED
North Myrtle Beach, SC, Grand Strand, GPS RWY 23, Orig-A, CANCELLED
North Myrtle Beach, SC, Grand Strand, RNAV (GPS) RWY 5, Orig
North Myrtle Beach, SC, Grand Strand, RNAV (GPS) RWY 23, Orig
Summerville, SC, Summerville, RNAV (GPS) RWY 24, Orig-A
Corpus Christi, TX, Corpus Christi Intl, RNAV (GPS) Y RWY 13, Amdt 1A
Corpus Christi, TX, Corpus Christi Intl, RNAV (GPS) Y RWY 31, Amdt 3
Corpus Christi, TX, Corpus Christi Intl, RNAV (GPS) Y RWY 35, Amdt 1A
Houston, TX, David Wayne Hooks Memorial, VOR/DME RNAV RWY 35L, Amdt 4, CANCELLED
Lubbock, TX, Lubbock Preston Smith Intl, RNAV (GPS) Y RWY 17R, Amdt 2
Lubbock, TX, Lubbock Preston Smith Intl, RNAV (GPS) Y RWY 35L, Amdt 2
Lubbock, TX, Lubbock Preston Smith Intl, RNAV (RNP) Z RWY 17R, Orig
Lubbock, TX, Lubbock Preston Smith Intl, RNAV (RNP) Z RWY 35L, Orig
Temple, TX, Draughon-Miller Central Texas Rgnl, RNAV (GPS) RWY 2, Amdt 1
Temple, TX, Draughon-Miller Central Texas Rgnl, RNAV (GPS) RWY 15, Amdt 2
Temple, TX, Draughon-Miller Central Texas Rgnl, RNAV (GPS) RWY 33, Amdt 2
Temple, TX, Draughon-Miller Central Texas Rgnl, Takeoff Minimum and Obstacle DP, Amdt 4
Temple, TX, Draughon-Miller Central Texas Rgnl, VOR RWY 15, Amdt 18
Temple, TX, Draughon-Miller Central Texas Rgnl, VOR RWY 33, Amdt 4
Waco, TX, Waco Rgnl, GPS RWY 1, Orig-B, CANCELLED
Waco, TX, Waco Rgnl, GPS RWY 19, Orig-B, CANCELLED
Waco, TX, Waco Rgnl, ILS OR LOC RWY 19, Amdt 16
Waco, TX, Waco Rgnl, RADAR-1, Amdt 4
Waco, TX, Waco Rgnl, RNAV (GPS) RWY 1, Orig
Waco, TX, Waco Rgnl, RNAV (GPS) RWY 19, Orig
Waco, TX, Waco Rgnl, Takeoff Minimums and Obstacle DP, Orig
Leesburg, VA, Leesburg Executive, LOC RWY 17, Amdt 3
Leesburg, VA, Leesburg Executive, RNAV (GPS) RWY 17, Amdt 2
Leesburg, VA, Leesburg Executive, Takeoff Minimums and Obstacle DP, Amdt 2
Leesburg, VA, Leesburg Executive, VOR OR GPS-A, Amdt 1B, CANCELLED
Spokane, WA, Spokane Intl, ILS OR LOC/DME RWY 21, ILS RWY 21 (CAT II), ILS RWY 21 (CAT III), Amdt 22
Spokane, WA, Spokane Intl, Takeoff Minimums and Obstacle DP, Amdt 6

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CACAK (IAF)	HODMO (NOPT) (FB)	187.30 / 5.00	3300
BACVA (IAF)	HODMO (NOPT) (FB)	007.12 / 5.00	3300
HODMO (IF/IAF)	EGIXE (FB)	097.21 / 6.00	1800

MISSED APPROACH

LNAV: RW09

CLIMB TO 5600 DIRECT HEBOR ON 065.90 TRACK TO CISVO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5600.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 278.18 INBOUND.
CHART FAS OBST: 279 TREE 665310N/1571019W
CHART VDP AT 1.32 MILES TO RW09.
EGIXE TO RW09: 3.00/40.0.
CHART PLANVIEW NOTE: FREQ 122.0 REQUIRED FOR AMF COMMUNICATIONS BELOW 10000 MSL.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W HODMO, RT, 097.21 INBOUND, 3300 FT. IN LIEU OF PT (IAF)
3. FAC: 097.41 FAF: EGIXE DIST FAF TO MAP: 5.00 THLD: 5.00
4. MIN. ALT: HODMO 3300, EGIXE 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM: ____

MAG VAR: 19E EPOCH YEAR: 2005

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	620	1	436	620	1	436	620	1 1/4	436		NA				
CIRCLING	620	1	423	660	1	463	660	1 1/2	463		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AMBLER ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND LNAV CAT C VISIBILITY 1/4 MILE.

QUALITY CHECK

CITY AND STATE	ELEVATION: 197 TDZE: 184 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SHUNGNAK, AK	SHUNGNAK	RNAV	RNAV (GPS) RWY 9, AMDT 1 23 SEP 2010	AMDT: ORIG-B DATED 02/16/2006

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TAA

	FROM	TO	ALT
1.	007/30 CW 097/30 (NOPT)	007/10 CW 097/10	3900
2.	007/10 CW 097/10	HODMO (IAF) (FB)	3300
3.	097/30 CW 137/30 (NOPT)	097/12 CW 137/12	5100
4.	137/30 CW 187/30 (NOPT)	137/12 CW 187/12	5700
5.	097/12 CW 187/12	HODMO (IAF) (FB)	3300
6.	187/30 CW 277/30	187/7 CW 277/7	6200
7.	187/7 CW 277/7	CACAK (IAF) (FB)	4400
8.	277/30 CW 007/30	277/6 CW 007/6 (IAF)	5900
9.	277/6 CW 007/6	BACVA (IAF) (FB)	3300

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 197 TDZE: 184	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SHUNGNAK, AK	AIRPORT NAME: SHUNGNAK	RNAV	RNAV (GPS) RWY 9, AMDT 1 23 SEP 2010	AMDT: ORIG-B
				DATED: 02/16/2006

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANEAENRT   BACVA PA0    W     N66534998W157410732                          NAR          BACVA
        SCANEAENRT   CACAK PA0    W     N67024635W157295302                          NAR          CACAK
        SCANEAENRT   CISVO PA0    W     N66495450W156245238                          NAR          CISVO
        SCANEAENRT   EGIXE PA0    W     N66553926W157215084                          NAR          EGIXE
        SCANEAENRT   HEBOR PA0    W     N66490612W156483882                          NAR          HEBOR
        SCANEAENRT   HODMO PA0    W     N66581827W157353120                          NAR          HODMO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PAGHPAASHG     0     040YSN66531708W157094464E019000197         1800018000C    MNAR    SHUNGNAK

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PAGHPAFR09   ABACVA 010BACVAPAEA0E  A    IF                                          18000                B JS
        SCANP PAGHPAFR09   ABACVA 020HODMOPAEA0EE B 010TF                    00710050    + 03300                      B JS
        SCANP PAGHPAFR09   ACACAK 010CACAKPAEA0E  A    IF                                          18000                B JS
        SCANP PAGHPAFR09   ACACAK 020HODMOPAEA0EE B 010TF                    18730050    + 03300                      B JS
        SCANP PAGHPAFR09   AHODMO 010HODMOPAEA0EE AR   HF                    09720040    + 03300     18000            B JS
        SCANP PAGHPAFR09   R      010HODMOPAEA0E  I    IF                                + 03300     18000            B JS
        SCANP PAGHPAFR09   R      020EGIXEPAEA1E  F 051TF                    09720060    + 01800                      B JS
        SCANP PAGHPAFR09   R      020EGIXEPAEA2WN          N          ALNAV                                          JS
        SCANP PAGHPAFR09   R      030RW09 PAPG0GY M 031TF                    09740050      00206           -300       B JS
        SCANP PAGHPAFR09   R      040          0  M  010CA                   0974        + 00597                      B JS
        SCANP PAGHPAFR09   R      050HEBORPAEA0E    010DF                                                            B JS
        SCANP PAGHPAFR09   R      060CISVOPAEA0EY   010TF                    0659        + 05600                      B JS
        SCANP PAGHPAFR09   R      070CISVOPAEA0EE  R020HM                    27820050    + 05600                      B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PAGHPAGRW09    0040000976 N66532588W157102944+0800    +0057100166000040060R
```

CITY AND STATE	ELEVATION: 197 TDZE: 184	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SHUNGNAK, AK	AIRPORT NAME: SHUNGNAK	RNAV	RNAV (GPS) RWY 9, AMDT 1 23 SEP 2010	AMDT: ORIG-B
				DATED: 02/16/2006

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CISVO (IAF)	GUYER (NOPT) (FB)	188.27 / 5.00	5600
CETOB (IAF)	GUYER (NOPT) (FB)	008.09 / 5.00	5600
GUYER (IF/IAF)	MUPTE (FB)	278.18 / 4.50	4200
MUPTE	HEBOR (FB)	278.02 / 3.50	3100

MISSED APPROACH

LNAV: RW27

CLIMB TO 5000 DIRECT EGIXE AND ON TRACK 294.10 TO AMF NDB/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 040.87 INBOUND.
CHART FAS OBST: 248 TOWER 665317N/1570819W
CHART VDP AT 1.14 MILES TO RW27.
HEBOR TO RW27: 3.00/40.
CHART PLANVIEW NOTE: FREQ 122.0 REQUIRED FOR AMF COMMUNICATIONS BELOW 10000 MSL

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E GUYER, RT, 278.18 INBOUND, 5600 FT. IN LIEU OF PT (IAF)
3. FAC: 277.90 FAF: HEBOR DIST FAF TO MAP: 9.00 THLD: 9.00
4. MIN. ALT: GUYER 5600, MUPTE 4200, HEBOR 3100, CONBA/4.90 NM TO RW27 1700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 19E EPOCH YEAR: 2005

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	600	1	403	600	1	403	600	1 1/4	403		NA				
CIRCLING	600	1	403	660	1	463	660	1 1/2	463		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AMBLER ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 197 TDZE: 197	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SHUNGNAK, AK	AIRPORT NAME: SHUNGNAK	RNAV	RNAV (GPS) RWY 27, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				DATED 02/16/2006

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TAA

	FROM	TO	ALT
1.	188/30 CW 008/30 (NOPT)	188/4 CW 008/4	7400
2.	188/4 CW 008/4	GUYER (IAF) (FB)	5600
3.	008/30 CW 098/30	CETOB (IAF) (FB)	6400
4.	098/30 CW 188/30	098/11 CW 188/11	7500
5.	098/11 CW 188/11	CISVO (IAF) (FB)	5800

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 197 TDZE: 197	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SHUNGNAK, AK	AIRPORT NAME: SHUNGNAK	RNAV	RNAV (GPS) RWY 27, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				DATED: 02/16/2006

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

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCAND       AMF   PA004030 DHA                    AMF N67062235W157512362E0210002822     NARAMBLER
          SCANDB      AMF   PA004030S  A N67062434W157512879                    E0210              NARAMBLER

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCANEAENRT  CETOB PA0   W     N66410266W156362371                                NAR          CETOB
          SCANEAENRT  CISVO PA0   W     N66495450W156245238                                NAR          CISVO
          SCANEAENRT  CONBA PA0   W     N66505676W156575423                                NAR          CONBA
          SCANEAENRT  EGIXE PA0   W     N66553926W157215084                                NAR          EGIXE
          SCANEAENRT  GUYER PA0   W     N66452869W156303908                                NAR          GUYER
          SCANEAENRT  HEBOR PA0   W     N66490612W156483882                                NAR          HEBOR
          SCANEAENRT  MUPTE PA0   W     N66473125W156404578                                NAR          MUPTE

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCANP PAGHPAASHG     0     040YSN66531708W157094464E019000197        1800018000C    MNAR    SHUNGNAK

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SCANP PAGHPAFR27  ACETOB 010CETOBPAEA0E  A    IF                                                18000              B JS
          SCANP PAGHPAFR27  ACETOB 020GUYERPAEA0EE B 010TF                    00810050    + 05600                          B JS
          SCANP PAGHPAFR27  ACISVO 010CISVOPAEA0E  A    IF                                                18000              B JS
          SCANP PAGHPAFR27  ACISVO 020GUYERPAEA0EE B 010TF                    18830050    + 05600                          B JS
          SCANP PAGHPAFR27  AGUYER 010GUYERPAEA0EE AR   HF                    27820060    + 05600    18000                 B JS
          SCANP PAGHPAFR27  R      010GUYERPAEA0E  I    IF                                + 05600    18000                 B JS
          SCANP PAGHPAFR27  R      011MUPTEPAEA0E S  051TF                    27820045    + 04200                          B JS
          SCANP PAGHPAFR27  R      020HEBORPAEA1E  F 051TF                    27800035    + 03100                          B JS
          SCANP PAGHPAFR27  R      020HEBORPAEA2WN          N         ALNAV                                                JS
          SCANP PAGHPAFR27  R      021CONBAPAEA0E S  031TF                    27790041    V 0170001820        -300         B JS
          SCANP PAGHPAFR27  R      030RW27 PAPG0GY M 031TF                    27790049      00237             -300         B JS
          SCANP PAGHPAFR27  R      040          0  M 010CA                    2779        + 00597                          B JS
          SCANP PAGHPAFR27  R      050EGIXEPAEA0E    010DF                                                               B JS
          SCANP PAGHPAFR27  R      060AMF  PADB0NY   010TF                    2941        + 05000                          B JS
          SCANP PAGHPAFR27  R      070AMF  PADB0NE  R020HM                    04090050    + 05000                          B JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 197 TDZE: 197	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SHUNGNAK, AK	AIRPORT NAME: SHUNGNAK	RNAV	RNAV (GPS) RWY 27, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				DATED: 02/16/2006

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

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PAGHPAGRW27    0040002776 N66530827W157085985-0800    +006660019700004006OR
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CITY AND STATE	ELEVATION: 197 TDZE: 197	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SHUNGNAK, AK	AIRPORT NAME: SHUNGNAK	RNAV	RNAV (GPS) RWY 27, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				DATED: 02/16/2006

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

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:
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT:
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY CHECKED

CITY AND STATE	ELEVATION: 700 TDZE: 700	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BESSEMER, AL	AIRPORT NAME: BESSEMER	GPS	GPS RWY 23, ORIG-A, 10/23/2008	AMDT: ORIG
				DATED 03/25/1999

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
OKW VORTAC (IAF)	KHANN INT/I-EKY 12.62 DME	115.00 / 7.91	2500
KHANN INT/I-EKY 12.62 DME (IF)	MEATA INT/I-EKY 6.24 DME	052.81 / 6.38	2400

MISSED APPROACH

ILS: DA
LOC: 5.08 MILES AFTER MEATA INT/I-EKY 6.24 DME OR AT I-EKY 1.16 DME FIX

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 3000 DIRECT OKW VORTAC AND HOLD; OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 005 AND VUZ VORTAC R-180 TO VUZ VORTAC AND HOLD SW, TR, 050.00 INBOUND.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT KHANN INT/I-EKY 12.62 DME
3. FAC: 052.81 FAF: MEATA INT/I-EKY 6.24 DME DIST FAF TO MAP: 5.08 THLD: 5.08
4. MIN. ALT: KHANN 2500, MEATA 2400, JURAM/I-EKY 2.76 DME 1200*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1135
6. MIN GS INCPT: 2400 GS ALT AT: MEATA INT/I-EKY 6.24 DME 2400 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 59.6
8. MSA FROM: OKW VORTAC 3700

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 094.66 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD SW VUZ VORTAC, RT, 050.00 INBOUND.
CHART IN PLANVIEW ONLY: OKW 7.91 DME AT KHANN.
CHART FAS OBST: 792 TRMSN TWR 331746N/0865647W
FAS OBST: 939 AAO 331629N/0865922W
CHART IN PLANVIEW: VUZ VORTAC.
CHART VDP AT 2.21 DME*; *LOC ONLY
DISTANCE VDP TO THLD 1.06 MILES.

MAG VAR: 3W 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
S-ILS 5	900	3/4	200	900	5/8	200	900	3/4	200	900	3/4	200			
S-LOC 5	1200	1	500	1200	1	500	1200	1 1/4	500	1200	1 1/2	500			
CIRCLING	1200	1	500	1200	1	500	1220	1 1/2	520	1260	2	560			
JURAM FIX MINIMUMS															
S-LOC 5	1100	1	400	1100	1	400	1100	1	400	1100	1 1/4	400			
CIRCLING	1200	1	500	1200	1	500	1220	1 1/2	520	1260	2	560			

NOTES:
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OKW VORTAC VIA V66 WESTBOUND.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
*LOC ONLY
*1260 WHEN USING ALABASTER ALTIMETER SETTING.
SEE 8260-10

QUALITY CHECKED

CITY AND STATE	ELEVATION: 700 TDZE: 700	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BESSEMER, AL	AIRPORT NAME: BESSEMER	I-EKY	ILS OR LOC RWY 5, AMDT 2	AMDT: 1A
			23 SEP 2010	DATED 10/23/2008

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALABASTER ALTIMETER SETTING AND INCREASE ALL DA 41 FEET, INCREASE ALL MDA 60 FEET AND INCREASE S-LOC 5 CAT C AND D VISIBILITY 1/4 MILE. INCREASE JURAM FIX S-LOC 5 CAT C AND D VISIBILITY 1/4 MILE.



CITY AND STATE	ELEVATION: 700 TDZE: 700	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BESSEMER, AL	AIRPORT NAME: **BESSEMER**	**I-EKY**	**ILS OR LOC RWY 5, AMDT 2** 23 SEP 2010	AMDT: **1A**
				DATED: **10/23/2008**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TASYU	AKGOS (FB)	271.33 / 8.35	3000
OKW VORTAC (IAF)	KHANN (FB)	118.00 / 7.91	3000
AKGOS (IAF)	KHANN (FB)	322.75 / 6.00	3000
KHANN (IF)	MEATA (FB)	052.71 / 6.38	2400

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW05

CLIMB TO 4000 DIRECT IKIMY AND ON TRACK 107.56 TO HANDE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 318.52 INBOUND.
CHART FAS OBST: 792 TRMSN TWR 331746N/0865647W
CHART FAS OBST: 919 TREE 331653N/0865636W
DISTANCE TO THLD FROM 200 HAT: 0.44 NM.
WAAS CHANNEL # 65999
REFERENCE PATH ID: W05A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT KHANN
3. FAC: 052.77 FAF: MEATA DIST FAF TO MAP: 5.08 THLD: 5.08
4. MIN. ALT: KHANN 3000, MEATA 2400, WONOR/1.70 NM TO RW05 1300*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2400 GS ALT AT: MEATA 2400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 59.6 34:1 IS CLEAR
8. MSA FROM: RW05 3700

MAG VAR: 3W 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	900	3/4	200	900	3/4	200	900	3/4	200	900	3/4	200			
LNAV/VNAV DA	1244	2	544	1244	2	544	1244	2	544	1244	2	544			
LNAV MDA	1160	1	460	1160	1	460	1160	1 1/4	460	1160	1 1/2	460			
CIRCLING	1200	1	500	1200	1	500	1220	1 1/2	520	1260	2	560			

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.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OKW VORTAC VIA V66 WESTBOUND.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
SEE 8260-10

QUALITY CHECKED

CITY AND STATE	ELEVATION: 700 TDZE: 700	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BESSEMER, AL	AIRPORT NAME: BESSEMER	RNAV	RNAV (GPS) RWY 5, AMDT 1 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
***LNAV ONLY**
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALABASTER ALTIMETER SETTING AND INCREASE ALL DA 41 FEET AND ALL MDA 60 FEET. INCREASE LNAV CAT C AND D VISIBILITIES 1/4 MILE.

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BESSEMER, AL	**ELEVATION: 700 TDZE: 700** AIRPORT NAME: **BESSEMER**	**RNAV**	**RNAV (GPS) RWY 5, AMDT 1** 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEKY
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	331826.2260N
LTP/FTP LONGITUDE	0865601.7230W
LTP/FTP ELLIPSOIDAL HEIGHT	+01841
FPAP LATITUDE	331904.5800N
FPAP LONGITUDE	0865507.6500W
THRESHOLD CROSSING HEIGHT (TCH)	00059.6
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	865E7D57

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02131
FPAP ORTHOMETRIC HEIGHT	+02131



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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
--------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        OKW    K7011100VTLW N33142242W087145999     N33142242W087145999E0000006491     NARBROOKWOOD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
--------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AKGOS K70    W      N33062601W087015044                        W0025     NAR           AKGOS
        SUSAEAENRT   HANDE K70    C    L N33184440W086312444                        W0029     NAR           HANDE
        SUSAEAENRT   IKIMY K70    W      N33224748W086495286                        W0027     NAR           IKIMY
        SUSAEAENRT   KHANN K70    C      N33110122W087062758                        W0025     NAR           KHANN
        SUSAEAENRT   MEATA K70    C      N33150901W087003946                        W0026     NAR           MEATA
        SUSAEAENRT   TASYU K70    C    L N33064103W086515400                        W0027     NAR           TASYU
        SUSAEAENRT   WONOR K70    W      N33172027W086573467                        W0026     NAR           WONOR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
--------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEKYK7AEKY     0      060YHN33184540W086553470W003000700          1800018000C    MNAR     BESSEMER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
--------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEKYK7FR05   AOKW   010OKW  K7D 0V  A    IF                                                  18000                A JS
        SUSAP KEKYK7FR05   AOKW   020KHANNK7EA0EE B 010TF                        11800079    + 03000                          A JS
        SUSAP KEKYK7FR05   ATASYU 010TASYUK7EA0E      IF                                                  18000                A JS
        SUSAP KEKYK7FR05   ATASYU 020AKGOSK7EA0E  A 020TF                        27130084    + 03000                          A JS
        SUSAP KEKYK7FR05   ATASYU 030KHANNK7EA0EE B 010TF                        32280060    + 03000                          A JS
        SUSAP KEKYK7FR05   R      010KHANNK7EA0E  I    IF                                    + 03000     18000                A JS
        SUSAP KEKYK7FR05   R      020MEATAK7EA1E  F 051TF                        05270064    + 02400                RW05  K7PGA JS
        SUSAP KEKYK7FR05   R      020MEATAK7EA2WALPV      ALNAV/VNAV ALNAV                                                      JS
        SUSAP KEKYK7FR05   R      021WONORK7EA0E S  031TF                        05280034    V 0130001304       -300          A JS
        SUSAP KEKYK7FR05   R      030RW05 K7PG0GY M 031TF                        05280017      00759            -300          A JS
        SUSAP KEKYK7FR05   R      040         0  M  010CA                        0528        + 00900                          A JS
        SUSAP KEKYK7FR05   R      050IKIMYK7EA0E    010DF                                                                    A JS
        SUSAP KEKYK7FR05   R      060HANDEK7EA0EY   010TF                        1076        + 04000                          A JS
        SUSAP KEKYK7FR05   R      070HANDEK7EA0EE  R020HM                        31850040    + 04000                          A JS
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 700 TDZE: 700	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BESSEMER, AL	AIRPORT NAME: BESSEMER	RNAV	RNAV (GPS) RWY 5, AMDT 1 23 SEP 2010	AMDT: ORIG-A DATED: 10/23/2008

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEKYK7GRW05     0060070528 N33182623W086560172+0000     +0184100699000060100I

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEKYK7PR05    RW05 001 0000W05A0N3318262260W08656017230+018410300N3319045800W0865507650010675000000596F400350865E7D57
          SUSAP KEKYK7PR05    RW05 002E       +02131+02131LPV       65999

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEKYK7SRW05 K7PG               0    18018003725                                                              M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 700 TDZE: 700	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BESSEMER, AL	AIRPORT NAME: **BESSEMER**	**RNAV**	**RNAV (GPS) RWY 5, AMDT 1** 23 SEP 2010	AMDT: **ORIG-A**
				DATED: **10/23/2008**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HANDE (IAF)	OBTUY (FB)	309.49 / 13.43	3100
TRUST (IAF)	OBTUY (FB)	210.83 / 13.13	3100
VUZ VORTAC (IAF)	OBTUY (FB)	151.95 / 15.70	3100
OBTUY (IF)	IKIMY (FB)	232.92 / 6.10	2600

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

CLIMB TO 4000 DIRECT WUDGI AND ON TRACK 147.93 TO TASYU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 355.00 INBOUND.
CHART FAS OBST: 899 TREE 331935N/0865312W
CHART FAS OBST: 859 TREE 331954N/0865410W
CHART 1210 TOWER 332323N/0865122W
DISTANCE TO THLD FROM 272 HAT: 0.73 NM.
CHART VDP AT 1.32 MILES TO RW23* *LNAV ONLY.
WAAS CHANNEL # 82199
REFERENCE PATH ID: W23A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT OBTUY
3. FAC: 232.87 FAF: IKIMY DIST FAF TO MAP: 5.75 THLD: 5.75
4. MIN. ALT: OBTUY 3100, IKIMY 2600, ZOBUT/2.20 NM TO RW23 1440*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2600 GS ALT AT: IKIMY 2600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW23 3700

MAG VAR: 3W 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	972	1	272	972	1	272	972	1	272	972	1	272			
LNAV/VNAV DA	1170	1 3/4	470	1170	1 3/4	470	1170	1 3/4	470	1170	1 3/4	470			
LNAV MDA	1160	1	460	1160	1	460	1160	1 1/4	460	1160	1 1/2	460			
CIRCLING	1200	1	500	1200	1	500	1220	1 1/2	520	1260	2	560			

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.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HANDE VIA V159-521 SOUTHEAST BOUND.
SEE 8260-10

QUALITY CHECKED

CITY AND STATE	ELEVATION: 700 TDZE: 700	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BESSEMER, AL	AIRPORT NAME: BESSEMER	RNAV	RNAV (GPS) RWY 23, ORIG 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
***LNAV ONLY**
CHART NOTE: PROCEDURE NA FOR ARRIVALS ON VUZ VORTAC AIRWAY RADIALS 111 CW 212.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALABASTER ALTIMETER SETTING AND INCREASE ALL DA 41 FEET AND ALL MDA 60 FEET, INCREASE LNAV CAT C AND D VISIBILITY 1/4 MILE.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ALABASTER ALTIMETER SETTING.

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
BESSEMER, AL	**ELEVATION: 700 TDZE: 700** AIRPORT NAME: **BESSEMER**	**RNAV**	**RNAV (GPS) RWY 23, ORIG** 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEKY
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	331904.5720N
LTP/FTP LONGITUDE	0865507.6510W
LTP/FTP ELLIPSOIDAL HEIGHT	+01841
FPAP LATITUDE	331806.9700N
FPAP LONGITUDE	0865628.8700W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	32D5381A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02132
FPAP ORTHOMETRIC HEIGHT	+02132

QUALITY CHECKED

CITY AND STATE	ELEVATION: 700 TDZE: 700	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BESSEMER, AL	AIRPORT NAME: BESSEMER	RNAV	RNAV (GPS) RWY 23, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-------------------------------------------------------------------------------------------------------------------------------------
       SUSAD        VUZ   K7011440VTHA N33401267W086535928    N33401267W086535928E0020007502     NARVULCAN
-------------------------------------------------------------------------------------------------------------------------------------
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-------------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   HANDE K70    C   L N33184440W086312444                    W0029     NAR          HANDE
       SUSAEAENRT   IKIMY K70    W     N33224748W086495286                    W0027     NAR          IKIMY
       SUSAEAENRT   OBTUY K70    W     N33264369W086441846                    W0028     NAR          OBTUY
       SUSAEAENRT   TASYU K70    C   L N33064103W086515400                    W0027     NAR          TASYU
       SUSAEAENRT   TRUST K70    C   L N33382199W086365883                    W0029     NAR          TRUST
       SUSAEAENRT   WUDGI K70    W     N33155444W086593554                    W0026     NAR          WUDGI
       SUSAEAENRT   ZOBUT K70    W     N33202988W086530727                    W0027     NAR          ZOBUT
-------------------------------------------------------------------------------------------------------------------------------------
          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KEKYK7AEKY     0      060YHN33184540W086553470W003000700          1800018000C    MNAR     BESSEMER
-------------------------------------------------------------------------------------------------------------------------------------
          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KEKYK7FR23   AHANDE 010HANDEK7EA0E  A    IF                                          18000                A JS
       SUSAP KEKYK7FR23   AHANDE 020OBTUYK7EA0EE B 010TF                  30950134    + 03100                         A JS
       SUSAP KEKYK7FR23   ATRUST 010TRUSTK7EA0E  A    IF                                          18000                A JS
       SUSAP KEKYK7FR23   ATRUST 020OBTUYK7EA0EE B 010TF                  21080131    + 03100                         A JS
       SUSAP KEKYK7FR23   AVUZ   010VUZ  K7D 0V  A    IF                                          18000                A JS
       SUSAP KEKYK7FR23   AVUZ   020OBTUYK7EA0EE B 010TF                  15200157    + 03100                         A JS
       SUSAP KEKYK7FR23   R      010OBTUYK7EA0E  I    IF                              + 03100     18000                A JS
       SUSAP KEKYK7FR23   R      020IKIMYK7EA1E  F 051TF                  23290061    + 02600                RW23  K7PGA JS
       SUSAP KEKYK7FR23   R      020IKIMYK7EA2WALPV       ALNAV/VNAV ALNAV                                             JS
       SUSAP KEKYK7FR23   R      021ZOBUTK7EA0E S  031TF                  23290036    V 0144001444       -300          A JS
       SUSAP KEKYK7FR23   R      030RW23 K7PG0GY M 031TF                  23290022      00740            -300          A JS
       SUSAP KEKYK7FR23   R      040         0  M  010CA                  2329        + 00972                        A JS
       SUSAP KEKYK7FR23   R      050WUDGIK7EA0E    010DF                                                              A JS
       SUSAP KEKYK7FR23   R      060TASYUK7EA0EY   010TF                  1479        + 04000                        A JS
       SUSAP KEKYK7FR23   R      070TASYUK7EA0EE  R020HM                  35500040    + 04000                        A JS
```

CITY AND STATE	ELEVATION: 700 TDZE: 700	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BESSEMER, AL	AIRPORT NAME: **BESSEMER**	**RNAV**	**RNAV (GPS) RWY 23, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KEKYK7GRW23     0060072328 N33190457W086550765+0000     +0184100700000040100R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KEKYK7PR23    RW23 001 0000W23A0N3319045720W08655076510+018410300N3318069700W0865628870010675092000040OF40050032D5381A
       SUSAP KEKYK7PR23    RW23 002E       +02132+02132LPV        82199

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KEKYK7SRW23 K7PG                0   18018003725                                                                  M
```

CITY AND STATE	ELEVATION: 700 TDZE: 700	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BESSEMER, AL	AIRPORT NAME: **BESSEMER**	**RNAV**	**RNAV (GPS) RWY 23, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. 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 35, STANDARD.

RWY 17, 300-1.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, VEHICLE 2255' FROM DER, 72' LEFT OF CENTERLINE, 15' AGL/515' MSL. TREES BEGINNING 382' FROM DER, 110' RIGHT OF CENTERLINE, UP TO 100' AGL/579' MSL. TREES BEGINNING 181' FROM DER, 168' LEFT OF CENTERLINE, UP TO 100' AGL/596' MSL.

NOTE: RWY 35, TREES BEGINNING 26' FROM DER, 235' LEFT OF CENTERLINE, UP TO 100' AGL/559' MSL. TREES BEGINNING 305' FROM DER, 328' RIGHT OF CENTERLINE, UP TO 100' AGL/559' MSL.

(4) CONTROLLING OBSTACLES:

RWY 17: 659' MSL TREE 335007.28N/0880641.04W.

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
VERNON, AL	LAMAR COUNTY	23 SEP 2010	2

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
YUBBA INT	MYV VOR/DME	083.41 / 9.29	2700
MYV VOR/DME (IAF)	EJAAY INT/I-LHM 12.41 DME	074.32 / 7.39	2700
RAILE INT/I-LHM 18.06 DME (IAF)	EJAAY INT/I-LHM 12.41 DME	151.31 / 5.65 (I-LHM)	2700
EJAAY INT/I-LHM 12.41 DME (IF)	CODEY INT/I-LHM 6.27 DME	151.31 / 6.14 (I-LHM)	1800

MISSED APPROACH

ILS: DA
LOC: 5.06 MILES AFTER CODEY INT/6.27 DME OR AT I-LHM 1.21 DME FIX

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 3000 DIRECT MYV VOR/DME AND HOLD; OR AS DIRECTED BY ATC.
ALTERNATE MA: CLIMB TO 2000 THEN CLIMB TO 3000 ON ILA VORTAC R-100 TO ROZZY INT/ILA VORTAC 41.30 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 147.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E ROZZY INT/ILA VORTAC 41.30 DME, RT, 280.00 INBOUND.
CHART FAS OBST: 187 TREE 385528N/1212129W 344 AAO 385953N/1212208W
CHART VDP AT 2.14 DME*; *LOC ONLY
DISTANCE VDP TO THLD 0.93 MILES.
CHART IN PLANVIEW: ROZZY INT/ILA VORTAC 41.30 DME.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT EJAAY
3. FAC: 151.31 FAF: CODEY INT/I-LHM 6.27 DME DIST FAF TO MAP: 5.06 THLD: 5.06
4. MIN. ALT: EJAAY 2700, CODEY 1800, WIDBO/I-LHM 2.91 DME 600*#
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 859
6. MIN GS INCPT: 1800 GS ALT AT: CODEY INT/I-LHM 6.27 DME 1800 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 45.5
8. MSA FROM: MYV VOR/DME 140-240 2200, 240-330 3400, 330-140 4900

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
S-ILS 15	321	1/2	200	321	1/2	200	321	1/2	200	321	1/2	200			
S-LOC 15	600	1/2	479	600	1/2	479	600	3/4	479	600	1	479			
CIRCLING	600	1	479	600	1	479	600	1 1/2	479	680	2	559			
WIDBO FIX MINIMUMS															
S-LOC 15	460	1/2	339	460	1/2	339	460	1/2	339	460	3/4	339			
CIRCLING	500	1	379	580	1	459	580	1 1/2	459	680	2	559			

NOTES:
#640 WHEN USING BEALE AFB ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BEALE AFB ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET, AND INCREASE S-LOC 15 CAT C/D VISIBILITY 1/4 MILE.
CHART NOTE: VDP NA WITH BEALE AFB ALTIMETER SETTING.
SEE 8260-10

QUALITY 4 RECORD

CITY AND STATE	ELEVATION: 121 TDZE: 121	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS RWY 15
LINCOLN, CA	AIRPORT NAME: LINCOLN RGNL/KARL HARDER FIELD	I-LHM	ILS OR LOC RWY 15, AMDT 1 23 SEP 2010	AMDT: ORIG DATED 10/10/1996

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: WIDBO FIX MINIMUMS: FOR INOPERATIVE MALSR, INCREASE S-LOC 15 CAT D VISIBILITY TO 1 MILE.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
LINCOLN, CA	**ELEVATION: 121 TDZE: 121** AIRPORT NAME: **LINCOLN RGNL/KARL HARDER FIELD**	**I-LHM**	**ILS OR LOC RWY 15, AMDT 1** 23 SEP 2010	SUP: **ILS RWY 15** AMDT: **ORIG** DATED: **10/10/1996**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
YUBBA	MYV VOR/DME (FB)	085.29 / 9.29	2700
MYV VOR/DME (IAF)	EJAAY (FB)	076.32 / 7.39	2700
RAILE (IAF)	EJAAY (FB)	151.25 / 5.65	2700
EJAAY (IF)	CODEY (FB)	151.27 / 6.14	1800

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW15

CLIMB TO 2500 DIRECT MUCGU AND ON TRACK 131.29 TO ROZZY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 311.34 INBOUND.
CHART FAS OBST: 187 TREE 385528N/1212129W
CHART FAS OBST: 204 TREE 385634N/1212112W
DISTANCE TO THLD FROM 200 HAT: 0.49 NM.
CHART VDP AT 0.93 MILES TO RW15*
*LNAV ONLY.
WAAS CHANNEL # 82618
REFERENCE PATH ID: W15A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT EJAAY
3. FAC: 151.29 FAF: CODEY DIST FAF TO MAP: 5.06 THLD: 5.06
4. MIN. ALT: EJAAY 2700, CODEY 1800, WIDBO/1.70 NM TO RW15 680*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: CODEY 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.5 34:1 IS CLEAR
8. MSA FROM: RW15 5300

MAG VAR: 14E EPOCH YEAR: 2010

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	321	1/2	200	321	1/2	200	321	1/2	200	321	1/2	200			
LNAV/VNAV DA	452	3/4	331	452	3/4	331	452	3/4	331	452	3/4	331			
LNAV MDA	460	1/2	339	460	1/2	339	460	1/2	339	460	1	339			
CIRCLING	500	1	379	580	1	459	580	1 1/2	459	680	2	559			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT D.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
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: VDP AND BARO-VNAV NA WHEN USING BEALE AFB ALTIMETER SETTING.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 121 TDZE: 121 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LINCOLN, CA	LINCOLN RGNL/KARL HARDER FIELD	RNAV	RNAV (GPS) RWY 15, ORIG 23 SEP 2010	AMDT: NONE DATED

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD        MYV   K2011080VDT  N39055512W121342300    N39055512W121342300E0160000620     NARMARYSVILLE                G

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CODEY K20    C     N38595571W121225323                    E0144    NAR           CODEY                        G
        SUSAEAENRT   EJAAY K20    C     N39055226W121245334                    E0144    NAR           EJAAY                        G
        SUSAEAENRT   MUCGU K20    W     N38494318W121192768                    E0143    NAR           MUCGU                        G
        SUSAEAENRT   RAILE K20    C   L N39112052W121264422                    E0144    NAR           RAILE                        G
        SUSAEAENRT   ROZZY K20    C   L N38444245W121150175                    E0143    NAR           ROZZY                        G
        SUSAEAENRT   WIDBO K20    C     N38564043W121214759                    E0144    NAR           WIDBO                        G
        SUSAEAENRT   YUBBA K20    C   L N39072578W121460977                    E0145    NAR           YUBBA                        G

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KLHMK2ALHM     0     060YHN38543300W121210480E014000121          18000018000C    MNAR    LINCOLN RGNL/KARL HARDER FIELDG

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KLHMK2FR15   ARAILE 010RAILEK2EA0E  A    IF                                                  18000                A JS   G
        SUSAP KLHMK2FR15   ARAILE 020EJAAYK2EA0EE B 010TF                    15130057    + 02700                                 A JS   G
        SUSAP KLHMK2FR15   AYUBBA 010YUBBAK2EA0E      IF                                                  18000                A JS   G
        SUSAP KLHMK2FR15   AYUBBA 020MYV  K2D 0V  A 020TF                    08530093    + 02700                                 A JS   G
        SUSAP KLHMK2FR15   AYUBBA 030EJAAYK2EA0EE B 010TF                    07630074    + 02700                                 A JS   G
        SUSAP KLHMK2FR15   R       010EJAAYK2EA0E  I    IF                                + 02700     18000                       A JS   G
        SUSAP KLHMK2FR15   R       020CODEYK2EA1E  F 051TF                    15130061    + 01800                 RW15  K2PGA JS   G
        SUSAP KLHMK2FR15   R       020CODEYK2EA2WALPV       ALNAV/VNAV ALNAV                                                    JS   G
        SUSAP KLHMK2FR15   R       021WIDBOK2EA0E S  031TF                    15130034    V 0068000709        -300            A JS   G
        SUSAP KLHMK2FR15   R       030RW15 K2PG0GY M 031TF                    15130017      00165             -300            A JS   G
        SUSAP KLHMK2FR15   R       040          0  M 010CA                    1513        + 00321                             A JS   G
        SUSAP KLHMK2FR15   R       050MUCGUK2EA0E    010DF                                                                     A JS   G
        SUSAP KLHMK2FR15   R       060ROZZYK2EA0EY   010TF                    1313        + 02500                             A JS   G
        SUSAP KLHMK2FR15   R       070ROZZYK2EA0EE  R020HM                    31130040    + 02500                             A JS   G
```

CITY AND STATE	ELEVATION: 121 TDZE: 121	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LINCOLN, CA	AIRPORT NAME: LINCOLN RGNL/KARL HARDER FIELD	RNAV	RNAV (GPS) RWY 15, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KLHMK2GRW15     0060011513 N38550167W121211444+0000     +0006900120000046100I                                 G

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KLHMK2PR15    RW15 001 0000W15A0N3855016700W12121144400+000690300N3854007600W12120540100107000112000455F400350FBDA50C9G
          SUSAP KLHMK2PR15    RW15 002E       +00365+00365LPV       82618                                                   G

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KLHMK2SRW15 K2PG                0   18018005325                                                           M   G
```

CITY AND STATE	ELEVATION: 121 TDZE: 121	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LINCOLN, CA	AIRPORT NAME: **LINCOLN RGNL/KARL HARDER FIELD**	**RNAV**	**RNAV (GPS) RWY 15, ORIG** 23 SEP 2010	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FIKDU (IAF)	HOVLI (FB)	103.58 / 12.85	4300
HOVLI (IF)	WUGOP (FB)	193.72 / 3.84	3300
WUGOP	JERBU (FB)	193.70 / 2.26	2700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW19

CLIMB TO 6000 DIRECT CROSZ AND ON TRACK 112.36 TO EXUPY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HOVLI
3. FAC: 193.68 FAF: JERBU DIST FAF TO MAP: 5.74 THLD: 5.74
4. MIN. ALT: HOVLI 4300, WUGOP 3300, JERBU 2700, YIRUK/3.00 NM TO RW19 1800*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: JERBU 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 37.0 34:1 IS CLEAR
8. MSA FROM: RW19 5600

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 312.58 INBOUND.
CHART FAS OBST: 1049 TREE 354243N/1203510W
1179 AAO 354338N/1203525W.
1819 AAO 354536N/1203250W.
CHART R-2504.
DISTANCE TO THLD FROM 200 HAT: 0.54 NM.
CHART VDP AT 1.44 MILES TO RW19* *LNAV ONLY.
WAAS CHANNEL # 65819
REFERENCE PATH ID: W19A

MAG VAR: 15E 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	1013	3/4	200	1013	3/4	200	1013	3/4	200	1013	3/4	200			
LNAV/VNAV DA	1190	1 1/2	377	1190	1 1/2	377	1190	1 1/2	377	1190	1 1/2	377			
LNAV MDA	1300	1	487	1300	1	487	1300	1 1/4	487	1300	1 1/2	487			
CIRCLING	1300	1	460	1300	1	460	1340	1 1/2	500	1560	2 1/4	720			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). @ CAT D 800-2 1/4
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FIKDU ON V248 NORTHBOUND.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 840 TDZE: 813	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PASO ROBLES, CA	AIRPORT NAME: PASO ROBLES MUNI	RNAV	RNAV (GPS) RWY 19, ORIG 23 SEP 2010	AMDT: NONE
				DATED

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPRB
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	354050.1320N
LTP/FTP LONGITUDE	1203733.1650W
LTP/FTP ELLIPSOIDAL HEIGHT	+02109
FPAP LATITUDE	353931.8200N
FPAP LONGITUDE	1203825.5900W
THRESHOLD CROSSING HEIGHT (TCH)	00037.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	C2451C06

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+02452
FPAP ORTHOMETRIC HEIGHT	+02452

QUALITY 5 CHECKED

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

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   CROSZ K20    W     N35362650W120402974                      E0135     NAR           CROSZ
          SUSAEAENRT   EXUPY K20    C     N35293961W120293878                      E0134     NAR           EXUPY
          SUSAEAENRT   FIKDU K20    C   L N35572437W120442670                      E0136     NAR           FIKDU
          SUSAEAENRT   HOVLI K20    W     N35511428W120303417                      E0135     NAR           HOVLI
          SUSAEAENRT   JERBU K20    W     N35455303W120341009                      E0135     NAR           JERBU
          SUSAEAENRT   WUGOP K20    W     N35475190W120325026                      E0135     NAR           WUGOP
          SUSAEAENRT   YIRUK K20    W     N35432832W120354718                      E0135     NAR           YIRUK

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPRBK2APRB     0     060YHN35402240W120373750E015000840         1800018000C    MNAR    PASO ROBLES MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPRBK2FR19   AFIKDU 010FIKDUK2EA0E  A    IF                                                18000              A JS
          SUSAP KPRBK2FR19   AFIKDU 020HOVLIK2EA0EE B 010TF                    10360129    + 04300                             A JS
          SUSAP KPRBK2FR19   R      010HOVLIK2EA0E  I    IF                              + 04300    18000                    A JS
          SUSAP KPRBK2FR19   R      011WUGOPK2EA0E S  051TF                    19370038    + 03300                             A JS
          SUSAP KPRBK2FR19   R      020JERBUK2EA1E  F 051TF                    19370023    + 02700                RW19  K2PGA JS
          SUSAP KPRBK2FR19   R      020JERBUK2EA2WALPV       ALNAV/VNAV ALNAV                                                 JS
          SUSAP KPRBK2FR19   R      021YIRUKK2EA0E S  031TF                    19370027    V 0180001805       -300          A JS
          SUSAP KPRBK2FR19   R      030RW19 K2PG0GY M 031TF                    19370030      00841            -300          A JS
          SUSAP KPRBK2FR19   R      040         0  M  010CA                    1937        + 01013                             A JS
          SUSAP KPRBK2FR19   R      050CROSZK2EA0E    010DF                                                                  A JS
          SUSAP KPRBK2FR19   R      060EXUPYK2EA0EY   010TF                    1124        + 06000                             A JS
          SUSAP KPRBK2FR19   R      070EXUPYK2EA0EE  R020HM                    31260050    + 06000                             A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPRBK2GRW19    0060081937 N35405013W120373317+0200    +0210900804000037150R
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 840 TDZE: 813	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PASO ROBLES, CA	AIRPORT NAME: **PASO ROBLES MUNI**	**RNAV**	**RNAV (GPS) RWY 19, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KPRBK2PR19    RW19 001 0000W19A0N3540501320W12037331650+021090300N3539318200W120382559001067509200003 70F400350C2451C06
    SUSAP KPRBK2PR19    RW19 002E       +02452+02452LPV        65819

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KPRBK2SRW19 K2PG               0    18018005625                                                                    M
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 840 TDZE: 813	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PASO ROBLES, CA	AIRPORT NAME: PASO ROBLES MUNI	RNAV	RNAV (GPS) RWY 19, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JEBNO/PRB 12.50 DME CCW (IAF)	MYGEL/PRB 12.50 DME	12.50 DME ARC	4400
YERGU/PRB 12.50 DME CW (IAF)	MYGEL/PRB 12.50 DME	12.50 DME ARC	4400
OKEEF/PRB 23.75 DME (IAF)	EXEJO/PRB 16.00 DME	172.00 / 7.75 (PRB R-352)	5300
EXEJO/PRB 16.00 DME	MYGEL/PRB 12.50 DME	172.00 / 3.50 (PRB R-352)	4400
MYGEL/PRB 12.50 DME (IF)	IVUNE/PRB 10.50 DME	172.00 / 2.00 (PRB R-352)	4100
IVUNE/PRB 10.50 DME	AJSAJ/PRB 6.50 DME	172.00 / 4.00 (PRB R-352)	3000

MISSED APPROACH

MAP: ZIVOL/PRB 0.49 DME

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 4500 ON HEADING 032.00 AND PRB R-077 TO JEBNO/PRB 12.50 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4500.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT MYGEL/PRB 12.50 DME
3. FAC 172.00 FAF AJSAJ/PRB 8.50 DME DIST FAF TO MAP 6.01 THLD 6.01
4. MIN. ALT MYGEL 4400, IVUNE 4100, AJSAJ 3000, KEVDE/PRB 3.69 DME 1980
8. MSA FROM: PRB VORTAC 090-270 5100, 270-090 5600

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 076.57 INBOUND.
CHART FAS OBST: 969 TREE 354301N/1203550W
1739 AAO 354622N/1203506W.
1239 AAO 354421N/1203535W.
1719 AAO 354606N/1203728W.
CHART R-2504.
CHART VDP AT 1.66 DME;
DISTANCE VDP TO THLD 1.19 MILES.
CHART PRB R-077 AT JEBNO.
CHART PRB R-326 AT YERGU.
AJSAJ TO RW19: 3.38/37.
CHART: TDZE 813.
FAC CROSSES RWY C/L EXTENDED 142 FROM THLD.

MAG VAR: 16E EPOCH YEAR: 1975

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-19	1220	1	407	1220	1	407	1220	1 1/4	407	1220	1 1/4	407			
CIRCLING	1300	1	460	1300	1	460	1340	1 1/2	500	1560	2 1/4	720			

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OKEEF VIA V137 NORTHWEST BOUND.

@ CAT D 800-2 1/4

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 840 TDZE: 813	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR/DME OR GPS RWY 19
PASO ROBLES, CA	AIRPORT NAME: PASO ROBLES MUNI	PRB	VOR/DME RWY 19, AMDT 4 23 SEP 2010	AMDT 3A
				DATE 08/10/2000

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

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PRB VORTAC	EXUPY/PRB 12.50 DME	132.58 / 12.50	5100
KIKII/PRB 16.00 DME (IAF)	EXUPY/PRB 12.50 DME (NOPT)	312.58 / 3.50 (PRB R-133)	5100
JEDGI/PRB 12.50 DME CCW (IAF)	EXUPY/PRB 12.50 DME (NOPT)	12.50 DME ARC	5100
JEBNO/PRB 12.50 DME CW (IAF)	EXUPY/PRB 12.50 DME (NOPT)	12.50 DME ARC	5100
EXUPY/PRB 12.50 DME (IF/IAF)	CFIVO/PRB 6.00 DME	312.58 / 6.50 (PRB R-133)	3100
CFIVO/PRB 6.00 DME	ILSIC/PRB 3.00 DME	312.58 / 3.00 (PRB R-133)	2400

MISSED APPROACH

MAP: PRB VORTAC

CLIMBING RIGHT TURN TO 4700 IN PRB VORTAC HOLDING PATTERN.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 312.57 INBOUND.
CHART FAS OBST: 1149 TREE 353731N/1203505W
CHART R-2504.
CHART PRB R-179 AT JEDGI.
CHART PRB R-077 AT JEBNO.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE EXUPY, RT, 312.58 INBOUND, 5100 FT. IN LIEU OF PT (IAF)
3. FAC 312.58 FAF ILSIC/PRB 3.00 DME DIST FAF TO MAP ____ THLD ____
4. MIN. ALT EXUPY 5100, CFIVO 3100, ILSIC 2400
8. MSA FROM: PRB VORTAC 090-270 5100, 270-090 5600

MAG VAR: 16E EPOCH YEAR: 1975

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	1560	1	720	1560	1	720	1560	2	720	1560	2 1/4	720			

NOTES:

@ CAT D 800-2 1/4

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 840 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR/DME OR GPS-B
PASO ROBLES, CA	PASO ROBLES MUNI	PRB	VOR/DME-B, AMDT 3 23 SEP 2010	AMDT 2 DATE 09/01/2005

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

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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 23 SEP 2010

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 836 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP	VOR-A
PASO ROBLES, CA	AIRPORT NAME: **PASO ROBLES MUNI**	**PRB**	**VOR OR GPS-A, AMDT 1, 11/28/2002**	AMDT	ORIG
				DATE	12/24/1970

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
STS VOR/DME	LOZWU (FO)	321.30 / 16.84	5100
LAPED	FIPUM (FB)	186.41 / 14.00	6500
FIPUM (IAF)	LOZWU (NOPT) (FB)	186.34 / 5.08	4800
CABEX (IAF)	LOZWU (NOPT) (FB)	094.39 / 5.82	4800
LOZWU (IF/IAF)	ACUTI (FB)	140.97 / 3.21	4100
ACUTI	EHETY (FB)	140.98 / 3.62	3300

MISSED APPROACH

LNAV/VNAV: DA
LNAV: RW14

CLIMB TO 5000 DIRECT PIGPN AND ON TRACK 141.08 TO WDSTC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 321.15 INBOUND.
CHART FAS OBST: 305 TREE 383159N/1225006W
CHART FAS OBST: 216 TREE 383132N/1224907W
479 AAO: 383436N/1224944W
1191 AAO: 383707N/1225028W
DISTANCE TO THLD FROM 369 HAT: 1.01 NM.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW LOZWU, RT, 140.97 INBOUND, 4800 FT. IN LIEU OF PT (IAF)
3. FAC: 141.00 FAF: EHETY DIST FAF TO MAP: 9.58 THLD: 9.58
4. MIN. ALT: LOZWU 4800, ACUTI 4100, EHETY 3300, UCEVE/4.20 NM TO RW14 1520*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3300 GS ALT AT: EHETY 3300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 53.0 34:1 IS NOT CLEAR
8. MSA FROM: RW14 6000

MAG VAR: 16E EPOCH YEAR: 1985

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
LNAV/VNAV DA	490	1 1/4	369	490	1 1/4	369	490	1 1/4	369	490	1 1/4	369			
LNAV MDA	560	1	439	560	1	439	560	1 1/4	439	560	1 1/2	439			
CIRCLING	620	1	492	680	1	552	740	1 3/4	612	740	2	612			

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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LAPED VIA V25 NORTHEAST BOUND.
*LNAV ONLY

QUALITY 5

CITY AND STATE	ELEVATION: 128 TDZE: 121	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SANTA ROSA, CA	AIRPORT NAME: CHARLES M. SCHULZ-SONOMA COUNTY	RNAV	RNAV (GPS) RWY 14, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED 01/15/2009

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-------------------------------------------------------------------------------------------------------------------------------------
       SUSAD        STS   K2011300VDLW N38302944W122483767    N38302944W122483767E0160001171     NARSANTA ROSA
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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-------------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   ACUTI K20    W     N38430491W122552002                    E0146     NAR           ACUTI
       SUSAEAENRT   CABEX K20    C   L N38480430W123035468                    E0146     NAR           CABEX
       SUSAEAENRT   EHETY K20    W     N38394493W122533166                    E0146     NAR           EHETY
       SUSAEAENRT   FIPUM K20    W     N38504464W122542815                    E0146     NAR           FIPUM
       SUSAEAENRT   LAPED K20    C   L N39034214W122473826                    E0146     NAR           LAPED
       SUSAEAENRT   LOZWU K20    W     N38460234W122565631                    E0146     NAR           LOZWU
       SUSAEAENRT   PIGPN K20    W     N38245599W122453217                    E0145     NAR           PIGPN
       SUSAEAENRT   UCEVE K20    W     N38344732W122505075                    E0145     NAR           UCEVE
       SUSAEAENRT   WDSTC K20    W     N38114186W122382678                    E0144     NAR           WDSTC
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                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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       SUSAP KSTSK2ASTS      0      051YHN38303220W122484650E016000128         1800018000C     MNAR     CHARLES M. SCHULZ-SONOMA COUNT
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                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KSTSK2FR14   ACABEX 010CABEXK2EA0E  A    IF                                                18000                A JS
       SUSAP KSTSK2FR14   ACABEX 020LOZWUK2EA0EE B 010TF                    09440058    + 04800                                A JS
       SUSAP KSTSK2FR14   ALAPED 010LAPEDK2EA0E       IF                                                18000                A JS
       SUSAP KSTSK2FR14   ALAPED 020FIPUMK2EA0E  A 020TF                    18640140    + 06500                                A JS
       SUSAP KSTSK2FR14   ALAPED 030LOZWUK2EA0EE B 010TF                    18630051    + 04800                                A JS
       SUSAP KSTSK2FR14   ASTS   010STS  K2D 0V       IF                                                18000                A JS
       SUSAP KSTSK2FR14   ASTS   020LOZWUK2EA0EY   020TF                    32130168    + 05100                                A JS
       SUSAP KSTSK2FR14   ASTS   030LOZWUK2EA0EE AR   HF                    14100050    + 04800                                A JS
       SUSAP KSTSK2FR14   R      010LOZWUK2EA0E  I    IF                                + 04800     18000                      A JS
       SUSAP KSTSK2FR14   R      011ACUTIK2EA0E S  051TF                    14100032    + 04100                                A JS
       SUSAP KSTSK2FR14   R      020EHETYK2EA1E  F 051TF                    14100036    + 03300                    RW14  K2PGA JS
       SUSAP KSTSK2FR14   R      020EHETYK2EA2WN          ALNAV/VNAV ALNAV                                                       JS
       SUSAP KSTSK2FR14   R      021UCEVEK2EA0E S  031TF                    14100054    V 0152001522        -300               A JS
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 128 TDZE: 121	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SANTA ROSA, CA	AIRPORT NAME: CHARLES M. SCHULZ-SONOMA COUNTY	RNAV	RNAV (GPS) RWY 14, AMDT 1 23 SEP 2010	AMDT: ORIG DATED: 01/15/2009

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

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            1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTSK2FR14   R      030RW14 K2PG0GY M 031TF                  14100042      00167            -300          A JS
        SUSAP KSTSK2FR14   R      040        0  M   010CA                  1410        + 00490                          A JS
        SUSAP KSTSK2FR14   R      050PIGPNK2EA0E    010DF                                                               A JS
        SUSAP KSTSK2FR14   R      060WDSTCK2EA0EY   010TF                  1411        + 05000                          A JS
        SUSAP KSTSK2FR14   R      070WDSTCK2EA0EE  R020HM                  32120050    + 05000                          A JS

            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTSK2GRW14    0051191411 N38305505W122484544+0100    +0003600114000053150R

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTSK2SRW14 K2PG              0   18018006025                                                              M
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CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SANTA ROSA, CA	**ELEVATION: 128 TDZE: 121** AIRPORT NAME: **CHARLES M. SCHULZ-SONOMA COUNTY**	**RNAV**	**RNAV (GPS) RWY 14, AMDT 1** 23 SEP 2010	AMDT: **ORIG** DATED: **01/15/2009**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ADANE INT/BRK VORTAC 11.11 DME CCW (IAF)	MOGAL INT/I-LPI 20.94 DME	11.11 DME ARC (BRK LR-345)	10000
MOGAL INT/I-LPI 20.94 DME (IF)	AWONE INT/I-LPI 14.40 DME	171.08 / 6.54 (I-LPI)	9000
AWONE INT/I-LPI 14.40 DME	ROCCK INT/I-LPI 9.96 DME	171.08 / 4.45 (I-LPI)	8700

MISSED APPROACH

ILS: DA
LOC: 7.55 MILES AFTER ROCCK INT/LPI 9.96 DME OR AT I-LPI 2.40 DME FIX

CLIMB TO 7200 THEN CLIMBING LEFT TURN TO 9000 ON HEADING 020 AND ON BRK VORTAC R-086 TO ADANE INT/BRK VORTAC 11.11 DME AND HOLD; OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 7200 THEN CLIMBING LEFT TURN TO 9000 ON HEADING 090 AND ON PUB VORTAC R-349 TO DRAKE INT/PUB VORTAC 18.74 DME AND HOLD.

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT MOGAL
3. FAC: 171.08 FAF: ROCCK INT/I-LPI 9.96 DME DIST FAF TO MAP: 7.55 THLD: 7.55
4. MIN. ALT: MOGAL 10000, AWONE 9000, ROCCK 8700, HUMPE INT/6.20 DME 7460*
5. DIST TO THLD FROM OM: 7.55 MM: - IM: - 150 HAT: - 100 HAT: 0.29 GS ANT: 1200
6. MIN GS INCPT: 8700 GS ALT AT: ROCCK INT/ 9.96 DME 8700 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 57.2
8. MSA FROM: BRK VORTAC 320-180 9100, 180-320 15400

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 265.80 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N
DRAKE INT, RT, 169 INBOUND.
FAS OBST: 6799 AAO 385246N/1044115W
7199 AAO 385624N/1044216W.
6839 AAO 385259N/1044111W.
CHART BRK R-086 AT ADANE.
CHART IN PLANVIEW: DRAKE INT/PUB 18.74 DME.
CHART VDP AT 4.97 DME*;
DISTANCE VDP TO THLD 2.57 MILES.
*LOC ONLY
CHART: R 2601 A/ B AND R 2602

MAG VAR: 9E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: # | 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 17L	6387	1800	200	6387	1800	200	6387	1800	200	6387	1800	200			
S-LOC 17L	7060	4000	873	7060	4000	873	7060	2	873	7060	2 1/4	873			
CIRCLING	7060	1	873	7060	1 1/4	873	7060	2 1/2	873	7060	2 3/4	873			

NOTES:
SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED.
S-ILS 17L: CAT A, B, C, D RA 169, RVR 1400, HAT/HAT 150, DA 6337 MSL.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ADANE VIA V389 SOUTHBOUND.
CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.
(SEE FORM 8260-10)

CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4
@ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4
# @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 6187 TDZE: 6187 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
COLORADO SPRINGS, CO	CITY OF COLORADO SPRINGS MUNI	I-LPI	ILS OR LOC RWY 17L, AMDT 1 23 SEP 2010	AMDT: ORIG-B DATED 12/18/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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

NOTES, (CONT.):
CHART PROFILE NOTE: USE I-LPI DME WHEN ON THE LOCALIZER COURSE.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: AUTHORIZATION TO CONDUCT THIS APPROACH REQUIRES SPECIFIC OPSEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DA.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 17L CAT A VISIBILITY TO 1 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6187	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
COLORADO SPRINGS, CO	AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	I-LPI	ILS OR LOC RWY 17L, AMDT 1 23 SEP 2010	AMDT: ORIG-B
				DATED: 12/18/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DRAKE INT/BRK 22.71 DME CW (IAF)	MIDAY INT/PUB 21.41 DME	22.71 DME ARC (BRK LR-171)	8100
PUB VORTAC (IAF)	MIDAY INT/PUB 21.41 DME	307.93 / 21.41	8100
MIDAY INT/PUB 21.41 DME (IF)	PETEY LOM	351.05 / 7.38 (I-COS)	8100

MISSED APPROACH

ILS: DA
LOC: 5.96 MILES AFTER PETEY LOM

CLIMB TO 6700 THEN CLIMBING RIGHT TURN TO 9000 ON HEADING 047 AND ON BRK VORTAC R-086 TO ADANE INT/BRK 11.11 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 6700 THEN CLIMBING RIGHT TURN TO 9000 ON HEADING 112 AND ON PUB VORTAC R-349 TO DRAKE INT/PUB 18.74 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 265.80 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N DRAKE INT, RT, 169 INBOUND.
FAS OBST: 6075 R35L THLD 384738N/1044257W
CHART R-2601.
CHART BRK R-140 AT DRAKE.
CHART BRK R-177 AT MIDAY

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT MIDAY
3. FAC: 351.05 FAF: PETEY LOM DIST FAF TO MAP: 5.96 THLD: 5.96
4. MIN. ALT: MIDAY 8100, PETEY LOM 8100
5. DIST TO THLD FROM OM: 5.96 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 916
6. MIN GS INCPT: 8100 GS ALT AT: - OM: 8030 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 51.4
8. MSA FROM: CO LOM 070-200 8100, 200-340 15400, 340-070 9100

MAG VAR: 9E EPOCH YEAR: 2010

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 35L	*6275	2400	200	*6275	2400	200	*6275	2400	200	*6275	2400	200			
S-LOC 35L	6340	2400	265	6340	2400	265	6340	2400	265	6340	4000	265			
CIRCLING	6720	1	533	6740	1	553	6740	1 1/2	553	6840	2	653			

NOTES:
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 35L CAT D VISIBILITY TO RVR 5000.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: RADAR MONITORING REQUIRED WHEN R-2601 IN USE.
CHART NOTE: * RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PUB VORTAC AIRWAY RADIALS 262 CW 333.

CAT D 700-2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 3 CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6075 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
COLORADO SPRINGS, CO	CITY OF COLORADO SPRINGS MUNI	I-COS	ILS OR LOC RWY 35L, AMDT 37 23 SEP 2010	AMDT: 36B DATED 12/18/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DRAKE INT/BRK 22.71 DME CW (IAF)	FALUR INT/I-AHI 12.47 DME	22.71 DME ARC (BRK LR-168)	8100
PUB VORTAC (IAF)	FALUR INT/I-AHI 12.47 DME	310.67 / 20.39	8100
FALUR INT/I-AHI 12.47 DME (IF)	CEGIX INT/I-AHI 5.82 DME	351.08 / 6.65 (I-AHI)	8100

MISSED APPROACH

ILS: DA
LOC: 6.00 MILES AFTER CEGIX INT/AHI 5.82 DME

CLIMB TO 6700 THEN CLIMBING RIGHT TURN TO 9000 ON HEADING 047 AND ON BRK VORTAC R-086 TO ADANE INT/BRK 11.11 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 6700 THEN CLIMBING RIGHT TURN TO 9000 ON HEADING 112 AND ON PUB VORTAC R-349 TO DRAKE INT/PUB 18.74 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 265.80 INBOUND.
FAS OBST: 6118 R35R THLD 384645N/1044109W
CHART R-2601.
CHART BRK R-140 AT DRAKE.
CHART FCS R-085 AT CEGIX.
CHART IN PROFILE: I-AHI DME ANTENNA
CHART VDP AT 0.47 DME*,
DISTANCE VDP TO THLD 0.64 MILES.
CHART BRK R-173 AT FALUR
*LOC ONLY
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N DRAKE INT, RT, 169 INBOUND.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT FALUR
3. FAC: 351.08 FAF: CEGIX INT/I-AHI 5.82 DME DIST FAF TO MAP: 6.00 THLD: 6.00
4. MIN. ALT: FALUR 8100, CEGIX 8100
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 956
6. MIN GS INCPT: 8100 GS ALT AT: CEGIX INT/I-AHI 5.82 8100 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.0
8. MSA FROM: BRK VORTAC 320-180 9100, 180-320 15400

MAG VAR: 9E EPOCH YEAR: 2010

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 35R	6318	3/4	200	6318	3/4	200	6318	3/4	200	6318	3/4	200			
S-LOC 35R	6380	1	262	6380	1	262	6380	1	262	6380	1	262			
CIRCLING	6720	1	533	6740	1	553	6740	1 1/4	553	6840	2	653			

NOTES:
CHART PROFILE NOTE: USE I-AHI DME WHEN ON THE LOCALIZER COURSE.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PUB VORTAC AIRWAY RADIALS 262 CW 333.
CHART PLANVIEW NOTE: RADAR REQUIRED WHEN R-2601 IN USE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 3 CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6118 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
COLORADO SPRINGS, CO	CITY OF COLORADO SPRINGS MUNI	I-AHI	ILS OR LOC RWY 35R, AMDT 1 23 SEP 2010	AMDT: ORIG-A DATED 12/18/2008

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BRK VORTAC	PETEY LOM	181.55 / 15.49	11000
PUB VORTAC (IAF)	MIDAY INT (NO PT)	307.93 / 21.41	8000
MIDAY INT (IF)	PETEY LOM	350.94 / 7.38	8000

MISSED APPROACH

MAP: 5.96 MILES AFTER CO LOM

CLIMB TO 6700 THEN CLIMBING RIGHT TURN TO 9000 ON HEADING 051 AND BRK VORTAC R-086 TO ADANE INT/BRK 11.11 DME AND HOLD; OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 6700 THEN CLIMBING RIGHT TURN TO 9000 VIA HEADING 104 AND VIA PUB VORTAC R-349 TO DRAKE INT/PUB 18.74 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 265.80 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD N DRAKE INT/PUB 18.74 DME, RT, 169.19 INBOUND.
CHART FAS OBST: 6169 TREE 384738N/1044217W
CHART R-2601.
CHART IN PLANVIEW: DRAKE INT/PUB 18.74 DME.
CHART 10000 PRIOR TO PETEY LOM IN PROFILE.
CO LOM TO RW35L: 2.97/73

1. PT **L** SIDE OF COURSE **170.94** OUTBOUND **8000** FT WITHIN **10** MILES OF **PETEY LOM** (IAF)
2.
3. FAC **351.18** FAF **PETEY LOM** DIST FAF TO MAP **5.96** THLD **5.96**
4. MIN. ALT **PETEY LOM 8000**
8. MSA FROM: **CO LOM 070-200 8100, 200-340 15400, 340-070 9100**

MAG VAR: **9E** 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		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-35L	**6520**	**4000**	**445**	**6520**	**4000**	**445**	**6520**	**4000**	**445**	**6520**	**6000**	**445**			
CIRCLING	**6720**	**1**	**533**	**6740**	**1**	**553**	**6740**	**1 1/2**	**553**	**6840**	**2**	**653**			

NOTES:

CHART NOTE: RADAR MONITORING REQUIRED WHEN R-2601 IN USE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PUB VORTAC AIRWAY RADIALS 262 CW 349.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6075 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
			23 SEP 2010	AMDT 25C
COLORADO SPRINGS, CO	**CITY OF COLORADO SPRINGS MUNI**	**CO**	**NDB RWY 35L, AMDT 26**	DATE 12/18/2008

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ADANE	ZENER (FB)	184.27 / 11.12	9400
PUB VORTAC	ONKIE (FB)	328.01 / 21.07	9400
ONKIE (IAF)	NUTVE (FB)	036.15 / 5.00	8600
ZENER (IAF)	NUTVE (FB)	216.25 / 5.00	8600
NUTVE (IF)	JATOL (FB)	306.20 / 6.10	7800

MISSED APPROACH

LNAV: RW31

CLIMB TO 9000 DIRECT WIMDI AND RIGHT TURN ON TRACK 044.40 TO BRK VORTAC AND ON TRACK 089.80 TO ADANE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 295.97 INBOUND.
CHART FAS OBST: 6229 TREE 384802N/1044041W
CHART R-2601.
CHART VDP AT 1.24 MILES TO RW31.
JATOL TO RW31 3.04/52

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT NUTVE
3. FAC: 306.14 FAF: JATOL DIST FAF TO MAP: 5.00 THLD: 5.00
4. MIN. ALT: NUTVE 8600, JATOL 7800
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: RW31 15400

MAG VAR: 9E 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
LNAV MDA	6580	1	424	6580	1	424	6580	1 1/4	424	6580	1 1/4	424			
CIRCLING	6720	1	533	6740	1	553	6740	1 1/2	553	6840	2	653			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PUB VORTAC ON V81-611 SOUTHBOUND, AND V244 EASTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ADANE ON V108 EASTBOUND.

QUALITY CHECKED

CITY AND STATE	AIRPORT	FACILITY IDENTIFIER	PROCEDURE NO./AMDT NO./EFFECTIVE DATE	
COLORADO SPRINGS, CO	ELEVATION: 6187 TDZE: 6156 AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 23 SEP 2010	SUP: RNAV (GPS) RWY 30 AMDT: ORIG-A DATED 08/03/2006

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-------------------------------------------------------------------------------------------------------------------------------
       SUSAD        BRK   K2011250VTLW N38564022W104380048    N38564022W104380048E0130069341     NARBLACK FOREST
       SUSAD        PUB   K2011670VTHW N38173932W104254601    N38173932W104254601E0130047592     NARPUEBLO

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   ADANE K20    C   L N38545726W104235646                    E0086     NAR          ADANE
       SUSAEAENRT   JATOL K20    W     N38445535W104371413                    E0087     NAR          JATOL
       SUSAEAENRT   NUTVE K20    W     N38403541W104314429                    E0087     NAR          NUTVE
       SUSAEAENRT   ONKIE K20    W     N38370372W104361590                    E0087     NAR          ONKIE
       SUSAEAENRT   WIMDI K20    W     N38515631W104461045                    E0088     NAR          WIMDI
       SUSAEAENRT   ZENER K20    W     N38440692W104271224                    E0087     NAR          ZENER

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCOSK2ACOS     0     135YHN38482090W104420280E009006187        1800018000C    MNAR    CITY OF COLORADO SPRINGS MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCOSK2FR31   AADANE 010ADANEK2EA0E       IF                                                18000              B JS
       SUSAP KCOSK2FR31   AADANE 020ZENERK2EA0E  A 020TF                    18430111    + 09400                          B JS
       SUSAP KCOSK2FR31   AADANE 030NUTVEK2EA0EE B 010TF                    21630050    + 08600                          B JS
       SUSAP KCOSK2FR31   APUB   010PUB  K2D 0V       IF                                                18000              B JS
       SUSAP KCOSK2FR31   APUB   020ONKIEK2EA0E  A 020TF                    32800211    + 09400                          B JS
       SUSAP KCOSK2FR31   APUB   030NUTVEK2EA0EE B 010TF                    03620050    + 08600                          B JS
       SUSAP KCOSK2FR31   R      010NUTVEK2EA0E  I    IF                                + 08600    18000                 B JS
       SUSAP KCOSK2FR31   R      020JATOLK2EA1E  F 051TF                    30620061    + 07800                RW31  K2PGB JS
       SUSAP KCOSK2FR31   R      020JATOLK2EA2WN          N          ALNAV                                                JS
       SUSAP KCOSK2FR31   R      030RW31 K2PG0GY M 031TF                    30610050      06187          -304              B JS
       SUSAP KCOSK2FR31   R      040         0  M  010CA                    3061        + 06580                          B JS
       SUSAP KCOSK2FR31   R      050WIMDIK2EA0E    010DF                                                                  B JS
       SUSAP KCOSK2FR31   R      060BRK  K2D 0V   R010TFY                    0444                                        B JS
       SUSAP KCOSK2FR31   R      070ADANEK2EA0EY   010TF                    0898        + 09000                         B JS
       SUSAP KCOSK2FR31   R      080ADANEK2EA0EE  R020HM                    29600070    + 09000                         B JS
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6156	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 30
COLORADO SPRINGS, CO	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 31, AMDT 1	AMDT: ORIG-A
	CITY OF COLORADO SPRINGS MUNI		23 SEP 2010	DATED: 08/03/2006

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOSK2GRW31     0082693061 N38482798W104414470+0400     +1852106135035552150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOSK2SRW31 K2PG               0    18018015425                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6156	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 30
COLORADO SPRINGS, CO	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 31, AMDT 1	AMDT: ORIG-A
	CITY OF COLORADO SPRINGS MUNI		23 SEP 2010	DATED: 08/03/2006

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ADANE	OLAPE (FB)	303.44 / 11.36	10000
LUFSE	OLAPE (FB)	212.67 / 13.64	10000
OLAPE (IAF)	NUBSE (FB)	261.15 / 5.00	9500
NUBSE (IF)	ROCCK (FB)	171.08 / 6.10	8700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17L

CLIMB TO 9000 DIRECT CEGIX AND ON TRACK 099.65 TO DRAKE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 353.19 INBOUND.
CHART FAS OBST: 6325 POLE 385003N/1044058W
FAS OBST: 6759 AAO 385249N/1044016W
DISTANCE TO THLD FROM 200 HAT: 0.45 NM.
CHART VDP AT 2.45 MILES TO RW17L* *LNAV ONLY.
WAAS CHANNEL # 69618
REFERENCE PATH ID: W17A
6839 AAO 385322N/1044011W
7239 AAO 385632N/1044242W
CHART R-2601

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT NUBSE
3. FAC: 171.08 FAF: ROCCK DIST FAF TO MAP: 7.55 THLD: 7.55
4. MIN. ALT: NUBSE 9500, ROCCK 8700, WABOP/4.10 NM TO RW17L 7560*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 8700 GS ALT AT: ROCCK 8700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.2 34:1 IS CLEAR
8. MSA FROM: RW17L 15400

MAG VAR: 9E 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	6387	2400	200	6387	2400	200	6387	2400	200	6387	2400	200			
LNAV/VNAV DA	6671	6000	484	6671	6000	484	6671	6000	484	6671	6000	484			
LNAV MDA	7020	4000	833	7020	4000	833	7020	2	833	7020	2 1/4	833			
CIRCLING	7020	1	833	7020	1 1/4	833	7020	2 1/2	833	7020	2 3/4	833			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT LUFSE ON V611 NORTHEAST BOUND.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE VISIBILITY LNAV CAT A TO RVR 5000.
SEE 8260-10

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

QUALITY CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6187	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17L
COLORADO SPRINGS, CO	AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) Y RWY 17L, AMDT 1 23 SEP 2010	AMDT: ORIG-B
				DATED 11/25/2004

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV-VNAV NA BELOW -27C (-16F) OR ABOVE 37C (98F).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT ADANE ON V108 EASTBOUND.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
COLORADO SPRINGS, CO	ELEVATION: 6187 TDZE: 6187 AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) Y RWY 17L, AMDT 1 23 SEP 2010	SUP: RNAV (GPS) RWY 17L AMDT: ORIG-B DATED: 11/25/2004

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCOS
RUNWAY	RW17L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	384857.9170N
LTP/FTP LONGITUDE	1044108.6425W
LTP/FTP ELLIPSOIDAL HEIGHT	+18680
FPAP LATITUDE	384643.4600N
FPAP LONGITUDE	1044108.8800W
THRESHOLD CROSSING HEIGHT (TCH)	00057.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0032
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	72B6754D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+18858
FPAP ORTHOMETRIC HEIGHT	+18858

CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6187	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17L
COLORADO SPRINGS, CO	AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) Y RWY 17L, AMDT 1 23 SEP 2010	AMDT: ORIG-B
				DATED: 11/25/2004

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   ADANE K20    C   L N38545726W104235646                    E0086     NAR           ADANE
          SUSAEAENRT   CEGIX K20    C     N38404425W104410951                    E0088     NAR           CEGIX
          SUSAEAENRT   DRAKE K20    C   L N38362405W104245118                    E0086     NAR           DRAKE
          SUSAEAENRT   LUFSE K20    C   L N39124958W104230364                    E0087     NAR           LUFSE
          SUSAEAENRT   NUBSE K20    W     N39023770W104410717                    E0088     NAR           NUBSE
          SUSAEAENRT   OLAPE K20    W     N39023710W104344211                    E0088     NAR           OLAPE
          SUSAEAENRT   ROCCK K20    C     N38563153W104410783                    E0088     NAR           ROCCK
          SUSAEAENRT   WABOP K20    W     N38530416W104410820                    E0088     NAR           WABOP

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCOSK2ACOS     0     135YHN38482090W104420280E009006187         1800018000C    MNAR    CITY OF COLORADO SPRINGS MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCOSK2FR17LY AADANE 010ADANEK2EA0E       IF                                          18000              A JS
          SUSAP KCOSK2FR17LY AADANE 020OLAPEK2EA0E  A 020TF                    30340114    + 10000                      A JS
          SUSAP KCOSK2FR17LY AADANE 030NUBSEK2EA0EE B 010TF                    26120050    + 09500                      A JS
          SUSAP KCOSK2FR17LY ALUFSE 010LUFSEK2EA0E       IF                                          18000              A JS
          SUSAP KCOSK2FR17LY ALUFSE 020OLAPEK2EA0E  A 020TF                    21270136    + 10000                      A JS
          SUSAP KCOSK2FR17LY ALUFSE 030NUBSEK2EA0EE B 010TF                    26120050    + 09500                      A JS
          SUSAP KCOSK2FR17LY R      010NUBSEK2EA0E  I    IF                                + 09500    18000             A JS
          SUSAP KCOSK2FR17LY R      020ROCCKK2EA1E  F 051TF                    17110061    + 08700          RW17L K2PGA JS
          SUSAP KCOSK2FR17LY R      020ROCCKK2EA2WALPV      ALNAV/VNAV ALNAV                                              JS
          SUSAP KCOSK2FR17LY R      021WABOPK2EA0E S  031TF                    17110035    V 0756007566      -300        A JS
          SUSAP KCOSK2FR17LY R      030RW17LK2PG0GY M 031TF                    17110041      06244           -300        A JS
          SUSAP KCOSK2FR17LY R      040         0  M  010CA                    1711        + 06387                       A JS
          SUSAP KCOSK2FR17LY R      050CEGIXK2EA0E    010DF                                                             A JS
          SUSAP KCOSK2FR17LY R      060DRAKEK2EA0EY   010TF                    0997        + 09000                       A JS
          SUSAP KCOSK2FR17LY R      070DRAKEK2EA0EE  R020HM                    35320070    + 09000                       A JS
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6187	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17L
COLORADO SPRINGS, CO	AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) Y RWY 17L, AMDT 1 23 SEP 2010	AMDT: ORIG-B DATED: 11/25/2004

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCOSK2GRW17L    0135011711 N38485792W104410864-0600     +1868006187000057150I

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCOSK2PR17LY RW17L001Y0000W17A0N3848579170W10441086425+186800300N3846434600W1044108880010675003200057 2F40035072B6754D
          SUSAP KCOSK2PR17LY RW17L002E      +18858+18858LPV       69618

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCOSK2SRW17LK2PG               0   18018015425                                                              M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6187	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17L
COLORADO SPRINGS, CO	AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) Y RWY 17L, AMDT 1 23 SEP 2010	AMDT: ORIG-B
				DATED: 11/25/2004

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DRAKE	ASHLL (FB)	248.00 / 9.45	8100
ASHLL (IAF)	MIDAY (FB)	261.12 / 5.00	8100
PUB VORTAC (IAF)	MIDAY (FB)	311.93 / 21.41	8100
MIDAY (IF)	KUSAC (FB)	351.05 / 7.16	8100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35L

CLIMB TO 9000 DIRECT JIBIS AND ON TRACK 078.18 TO ADANE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 295.97 INBOUND.
CHART FAS OBST: 6169 TREE 384738N/1044217W
DISTANCE TO THLD FROM 200 HAT: 0.56 NM.
CHART VDP AT 1.07 MILES TO RW35L* *LNAV ONLY.
WAAS CHANNEL # 49112
REFERENCE PATH ID: W35A
CHART R-2601

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT MIDAY
3. FAC: 351.05 FAF: KUSAC DIST FAF TO MAP: 6.18 THLD: 6.18
4. MIN. ALT: MIDAY 8100, KUSAC 8100
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 8100 GS ALT AT: KUSAC 8100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 51.4 34:1 IS CLEAR
8. MSA FROM: RW35L 15400

MAG VAR: 9E 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	6275	2400	200	6275	2400	200	6275	2400	200	6275	2400	200			
LNAV/VNAV DA	6439	4000	364	6439	4000	364	6439	4000	364	6439	4000	364			
LNAV MDA	6460	2400	385	6460	2400	385	6460	2400	385	6460	5000	385			
CIRCLING	6720	1	533	6740	1	553	6740	1 1/2	553	6840	2	653			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -27C (-16F) OR ABOVE 36C (96F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PUB VORTAC AIRWAY RADIALS 262 CW 349. SEE 8260-10

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6075	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
COLORADO SPRINGS, CO	AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) Y RWY 35L, ORIG 23 SEP 2010	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.

NOTES CONT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DRAKE VIA V83-389 NORTHBOUND AND V83 SOUTHEAST BOUND.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV CAT D VISIBILITY TO RVR 6000.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: RADAR MONITORING REQUIRED WHEN R-2601 IN USE.

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6075 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
COLORADO SPRINGS, CO	**CITY OF COLORADO SPRINGS MUNI**	**RNAV**	**RNAV (GPS) Y RWY 35L, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCOS
RUNWAY	RW35L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	384737.7640N
LTP/FTP LONGITUDE	1044257.3625W
LTP/FTP ELLIPSOIDAL HEIGHT	+18248
FPAP LATITUDE	384928.4600N
FPAP LONGITUDE	1044257.2400W
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	0056
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	9FC912B7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+18425
FPAP ORTHOMETRIC HEIGHT	+18425

QUALITY A CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
COLORADO SPRINGS, CO	ELEVATION: 6187 TDZE: 6075 AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) Y RWY 35L, ORIG 23 SEP 2010	AMDT: NONE DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD        PUB   K2011670VTHW N38173932W104254601    N38173932W104254601E0130047592     NARPUEBLO

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ADANE K20    C   L N38545726W104235646                    E0086     NAR          ADANE
        SUSAEAENRT   ASHLL K20    W     N38341572W104363571                    E0087     NAR          ASHLL
        SUSAEAENRT   DRAKE K20    C   L N38362405W104245118                    E0086     NAR          DRAKE
        SUSAEAENRT   JIBIS K20    W     N38541495W104425691                    E0088     NAR          JIBIS
        SUSAEAENRT   KUSAC K20    W     N38412630W104425777                    E0088     NAR          KUSAC
        SUSAEAENRT   MIDAY K20    C     N38341616W104425824                    E0088     NAR          MIDAY

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOSK2ACOS      0     135YHN38482090W104420280E009006187         1800018000C    MNAR    CITY OF COLORADO SPRINGS MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOSK2FR35LY ADRAKE 010DRAKEK2EA0E       IF                                          18000                A JS
        SUSAP KCOSK2FR35LY ADRAKE 020ASHLLK2EA0E  A 020TF                    24800095    + 08100                      A JS
        SUSAP KCOSK2FR35LY ADRAKE 030MIDAYK2EA0EE B 010TF                    26110050    + 08100                      A JS
        SUSAP KCOSK2FR35LY APUB   010PUB  K2D 0V  A    IF                                          18000                A JS
        SUSAP KCOSK2FR35LY APUB   020MIDAYK2EA0EE B 010TF                    31190214    + 08100                      A JS
        SUSAP KCOSK2FR35LY R      010MIDAYK2EA0E  I    IF                                 + 08100  18000                A JS
        SUSAP KCOSK2FR35LY R      020KUSACK2EA1E  F 051TF                    35110072    + 08100            RW35L K2PGA JS
        SUSAP KCOSK2FR35LY R      020KUSACK2EA2WALPV      ALNAV/VNAV ALNAV                                                JS
        SUSAP KCOSK2FR35LY R      030RW35LK2PG0GY M 031TF                    35110062      06097       -300             A JS
        SUSAP KCOSK2FR35LY R      040         0  M  010CA                    3511        + 06275                      A JS
        SUSAP KCOSK2FR35LY R      050JIBISK2EA0E    010DF                                                              A JS
        SUSAP KCOSK2FR35LY R      060ADANEK2EA0EY   010TF                    0782        + 09000                      A JS
        SUSAP KCOSK2FR35LY R      070ADANEK2EA0EE  R020HM                    29600070    + 09000                      A JS
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6075	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
COLORADO SPRINGS, CO	AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) Y RWY 35L, ORIG 23 SEP 2010	AMDT: NONE DATED:

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOSK2GRW35L   0110223511 N38473776W104425736+1200     +18248060450000511501

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOSK2PR35LY RW35L001Y0000W35A0N3847377640W10442573625+182480300N3849284600W1044257240010675005600051 4F4003509FC912B7
        SUSAP KCOSK2PR35LY RW35L002E       +18425+18425LPV       49112

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOSK2SRW35LK2PG               0   18018015425                                                                  M
```

CITY AND STATE	ELEVATION: 6187 TDZE: 6075	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
COLORADO SPRINGS, CO	AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) Y RWY 35L, ORIG 23 SEP 2010	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PUB VORTAC	HABUK (FB)	327.66 / 17.87	8400
DRAKE	HABUK (FB)	244.44 / 8.13	8100
HABUK (IAF)	FALUR (FB)	261.15 / 5.00	8100
FALUR (IF)	CEGIX (FB)	351.08 / 6.65	8100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35R

CLIMB TO 9000 DIRECT WABOP AND ON TRACK 072.92 TO ADANE AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT FALUR
3. FAC: 351.08 FAF: CEGIX DIST FAF TO MAP: 6.00 THLD: 6.00
4. MIN. ALT: FALUR 8100, CEGIX 8100
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 8100 GS ALT AT: CEGIX 8100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR
8. MSA FROM: RW35R 15400

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 295.97 INBOUND.
CHART FAS OBST: 6129 TREE 384644N/1044128W
CHART FAS OBST: 6149 TREE 384656N/1044123W
CHART R-2601.
DISTANCE TO THLD FROM 200 HAT: 0.50 NM.
CHART VDP AT 0.71 MILES TO RW35R* *LNAV ONLY.
WAAS CHANNEL # 53602
REFERENCE PATH ID: W35B

MAG VAR: 9E 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	6318	3/4	200	6318	3/4	200	6318	3/4	200	6318	3/4	200			
LNAV/VNAV DA	6399	1	281	6399	1	281	6399	1	281	6399	1	281			
LNAV MDA	6400	1	282	6400	1	282	6400	1	282	6400	1	282			
CIRCLING	6720	1	533	6740	1	553	6740	1 1/2	553	6840	2	653			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -27C (-16F) OR ABOVE 36C (96F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PUB VORTAC VIA V81-611 SOUTHEAST BOUND. SEE 8260-10

QUALITY & CHECK

CITY AND STATE	ELEVATION: 6187 TDZE: 6118	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35R
COLORADO SPRINGS, CO	AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) Y RWY 35R, AMDT 3 23 SEP 2010	AMDT: 2 DATED 07/05/2007

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: RADAR MONITORING REQUIRED WHEN R-2601 IN USE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DRAKE VIA V83 SOUTHEAST BOUND.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6118	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35R
COLORADO SPRINGS, CO	AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) Y RWY 35R, AMDT 3 23 SEP 2010	AMDT: 2 DATED: 07/05/2007

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCOS
RUNWAY	RW35R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35B
LTP/FTP LATITUDE	384644.5075N
LTP/FTP LONGITUDE	1044108.8695W
LTP/FTP ELLIPSOIDAL HEIGHT	+18423
FPAP LATITUDE	384859.4000N
FPAP LONGITUDE	1044108.6300W
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	0048
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	22E32B20

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+18602
FPAP ORTHOMETRIC HEIGHT	+18602

QUALITY CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6118	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35R
COLORADO SPRINGS, CO	AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) Y RWY 35R, AMDT 3 23 SEP 2010	AMDT: 2 DATED: 07/05/2007

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD        PUB   K2011670VTHW N38173932W104254601    N38173932W104254601E0130047592     NARPUEBLO

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ADANE K20    C   L N38545726W104235646                      E0086     NAR          ADANE
        SUSAEAENRT   CEGIX K20    C     N38404425W104410951                      E0088     NAR          CEGIX
        SUSAEAENRT   DRAKE K20    C   L N38362405W104245118                      E0086     NAR          DRAKE
        SUSAEAENRT   FALUR K20    C     N38340500W104411018                      E0088     NAR          FALUR
        SUSAEAENRT   HABUK K20    W     N38340441W104344767                      E0087     NAR          HABUK
        SUSAEAENRT   WABOP K20    W     N38530416W104410820                      E0088     NAR          WABOP

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOSK2ACOS     0     135YHN38482090W104420280E009006187        1800018000C    MNAR    CITY OF COLORADO SPRINGS MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOSK2FR35RY ADRAKE 010DRAKEK2EA0E       IF                                          18000                A JS
        SUSAP KCOSK2FR35RY ADRAKE 020HABUKK2EA0E  A 020TF                    24440081    + 08100                      A JS
        SUSAP KCOSK2FR35RY ADRAKE 030FALURK2EA0EE B 010TF                    26120050    + 08100                      A JS
        SUSAP KCOSK2FR35RY APUB   010PUB  K2D 0V       IF                                          18000                A JS
        SUSAP KCOSK2FR35RY APUB   020HABUKK2EA0E  A 020TF                    32770179    + 08400                      A JS
        SUSAP KCOSK2FR35RY APUB   030FALURK2EA0EE B 010TF                    26120050    + 08100                      A JS
        SUSAP KCOSK2FR35RY R      010FALURK2EA0E  I    IF                                  + 08100     18000            A JS
        SUSAP KCOSK2FR35RY R      020CEGIXK2EA1E  F 051TF                    35110067    + 08100                RW35R K2PGA JS
        SUSAP KCOSK2FR35RY R      020CEGIXK2EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KCOSK2FR35RY R      030RW35RK2PG0GY M 031TF                    35110060      06158          -300           A JS
        SUSAP KCOSK2FR35RY R      040         0  M  010CA                    3511        + 06318                      A JS
        SUSAP KCOSK2FR35RY R      050WABOPK2EA0E    010DF                                                              A JS
        SUSAP KCOSK2FR35RY R      060ADANEK2EA0EY   010TF                    0729        + 09000                      A JS
        SUSAP KCOSK2FR35RY R      070ADANEK2EA0EE  R020HM                    29600070    + 09000                      A JS
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 6187 TDZE: 6118	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35R
COLORADO SPRINGS, CO	AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) Y RWY 35R, AMDT 3	AMDT: 2
			23 SEP 2010	DATED: 07/05/2007

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOSK2GRW35R   0135013511 N38464451W104410887+0600     +18423061030000551501

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOSK2PR35RY RW35R001Y0000W35B0N3846445075W10441088695+184230300N3848594000W1044108630010675004800055OF40035022E32B20
        SUSAP KCOSK2PR35RY RW35R002E      +18602+18602LPV       53602

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOSK2SRW35RK2PG               0   18018015425                                                                    M
```



CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
COLORADO SPRINGS, CO	ELEVATION: 6187 TDZE: 6118 AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI	RNAV	RNAV (GPS) Y RWY 35R, AMDT 3 23 SEP 2010	SUP: RNAV (GPS) RWY 35R AMDT: 2 DATED: 07/05/2007

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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, 17R, 17L, 35R, STANDARD
RWY 31, STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 6900
RWY 35L, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 213 FT PER NM TO 6400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1400 FT PRIOR TO DER

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 13, 17L, 17R - CLIMBING LEFT TURN DIRECT BRK VORTAC, THENCE...
RWY 31, 35L, 35R - CLIMBING RIGHT TURN DIRECT BRK VORTAC, THENCE...
ALL AIRCRAFT - CLIMB DIRECT BRK VORTAC. AIRCRAFT DEPARTING ON BRK R-325 CW R-153 CLIMB ON COURSE. AIRCRAFT DEPARTING ON BRK R-154 CW R-324 CLIMB IN BRK HOLDING PATTERN (NW, LEFT TURNS, 154 INBOUND) TO CROSS BRK VORTAC AT OR ABOVE MEA/MCA FOR ROUTE OF FLIGHT

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, MULTIPLE TREES BEGINNING 126 FT FROM DER, 235 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/6196 FT MSL. MULTIPLE TREES BEGINNING 171 FT FROM DER, 372 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/6183 FT MSL
RWY 17R, TREE 956 FT FROM DER, 573 FT LEFT OF CENTERLINE, 30 FT AGL/6091 MSL, TREE 1074 FT FROM DER, 181 FT RIGHT OF CENTERLINE, 30 FT AGL/6094 MSL
RWY 35L, MULTIPLE TREES BEGINNING 535 FT FROM DER, 416 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/6337 FT MSL

(4) CONTROLLING OBSTACLES:

RWY 31, 6673 MSL TOWER 385215.00N-1044418.00W
RWY 35L, 6337 MSL TREE 385025.13N-1044234.92W



(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
COLORADO SPRINGS, CO	CITY OF COLORADO SPRINGS MUNI	23 SEP 2010	9

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FIMUR (IF)	MELVN (FB)	292.79 / 6.09	7000
MELVN	RW29 (MAP) (FO)	292.72 / 5.97	
RW29 (MAP)	5455 MSL	292.72	
5455 MSL	NIWOT (FO)		7400

MISSED APPROACH

LNAV: RW29

CLIMBING RIGHT TURN TO 7400 DIRECT NIWOT AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 311.00 INBOUND.
FAS OBST: 5329 AAO 400730N/1050515W
MELVN TO RW29: 3.05/37.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT FIMUR
3. FAC: 292.72 FAF: MELVN DIST FAF TO MAP: 5.97 THLD: 5.97
4. MIN. ALT: FIMUR 7000, MELVN 7000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW29 15500

MAG VAR: 10E EPOCH YEAR: 2005

MINIMUMS

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

CATEGORY ====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	5680	1	636	5680	1	636	5680	1 3/4	636	5680	2	636			
CIRCLING	5680	1	625	5680	1	625	5680	1 3/4	625	5680	2	625			

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DENVER INTL ALTIMETER SETTING: INCREASE ALL MDA 120 FEET AND VISIBILITY CAT B 1/4 MILE AND CAT C/D 1/2 MILE.
@ 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

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 5055 TDZE: 5044 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LONGMONT, CO	VANCE BRAND	RNAV	RNAV (GPS) RWY 29, AMDT 1A 23 SEP 2010	AMDT: 1 DATED 07/29/2010

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FIMUR K20    W     N40030740W104561033                     E0090     NAR          FIMUR                    G
        SUSAEAENRT   MELVN K20    W     N40062514W105025043                     E0091     NAR          MELVN                    G
        SUSAEAENRT   NIWOT K20    C   L N40152600W104594061                     E0091     NAR          NIWOT                    G

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLMOK2ALMO     0     048YHN40095147W105094944E010005055         1800018000C    MNAR    VANCE BRAND              G

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLMOK2FR29   R      010FIMURK2EA0E  I    IF                                + 07000     18000              B JS   G
        SUSAP KLMOK2FR29   R      020MELVNK2EA1E  F 051TF                   29280061    + 07000                RW29  K2PGB JS   G
        SUSAP KLMOK2FR29   R      020MELVNK2EA2WN          N          ALNAV                                                JS   G
        SUSAP KLMOK2FR29   R      030RW29 K2PG0GY M 031TF                   29270060      05068           -305          B JS   G
        SUSAP KLMOK2FR29   R      040         0  M  010CA                   2927        + 05455                       B JS   G
        SUSAP KLMOK2FR29   R      050NIWOTK2EA0EY  R010DF                              + 07400                       B JS   G
        SUSAP KLMOK2FR29   R      060NIWOTK2EA0EE  R020HM                   31100070    + 07400                       B JS   G

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLMOK2GRW29    0048002927 N40093868W105092342+0500    +151690503100003707 5R                                    G

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLMOK2SRW29 K2PG              0   18018015525                                                          M   G
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 5055 TDZE: 5044	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LONGMONT, CO	AIRPORT NAME: VANCE BRAND	RNAV	RNAV (GPS) RWY 29, AMDT 1A 23 SEP 2010	AMDT: 1 DATED: 07/29/2010

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BDL VORTAC	DOCEB (FO)	327.96 / 12.07	3500
CTR VOR/DME (IAF)	DOCEB (NOPT) (FB)	180.79 / 12.99	3500
SASHA (IAF)	DOCEB (NOPT) (FB)	118.76 / 12.28	3500
DOCEB (IF/IAF)	NOOSE (FB)	148.24 / 6.00	2500

MISSED APPROACH

LPV: DA
LNAV: RW15

CLIMB TO 3000 DIRECT HADUX AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 328.50 INBOUND.
CHART FAS OBST: 819 TREE 415818N/0724424W
DISTANCE TO THLD FROM 354 HAT: 0.78 NM.
CHART VDP AT 2.29 MILES TO RW15* *LNAV ONLY.
WAAS CHANNEL # 60928
REFERENCE PATH ID: W15A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW DOCEB, RT, 148.24 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
3. FAC: 148.31 FAF: NOOSE DIST FAF TO MAP: 5.86 THLD: 5.86
4. MIN. ALT: DOCEB 3500, NOOSE 2500
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: NOOSE 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.60 TCH: 60.0 34:1 IS NOT CLEAR
8. MSA FROM: RW15 3400

MAG VAR: 14W 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	525	1	354	525	1	354	525	1	354		NA				
LNAV MDA	1080	1 1/4	909	1080	1 1/4	909	1080	2 3/4	909		NA				
CIRCLING	1080	1 1/4	907	1080	1 1/4	907	1080	2 3/4	907		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BDL VORTAC ON AIRWAY RADIALS 280 CW 329 AND AT CTR VOR/DME ON AIRWAY RADIAL 140.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SASHA ON V292 WESTBOUND.

@ CAT A, B 1000-2, CAT C 1000-2 3/4

QUALITY CHECKED

CITY AND STATE	ELEVATION: 173 TDZE: 171	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 15
WINDSOR LOCKS, CT	AIRPORT NAME: BRADLEY INTL	RNAV	RNAV (GPS) Y RWY 15, AMDT 1A 23 SEP 2010	AMDT: 1
				DATED 09/01/2005

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBDL
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	415632.6300N
LTP/FTP LONGITUDE	0724135.7100W
LTP/FTP ELLIPSOIDAL HEIGHT	+00224
FPAP LATITUDE	415530.2900N
FPAP LONGITUDE	0724010.3900W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.60
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0664
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	AEF1472E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00514
FPAP ORTHOMETRIC HEIGHT	+00514

QUALITY CHECKED

CITY AND STATE	ELEVATION: 173 TDZE: 171	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 15
WINDSOR LOCKS, CT	AIRPORT NAME: BRADLEY INTL	RNAV	RNAV (GPS) Y RWY 15, AMDT 1A 23 SEP 2010	AMDT: 1
				DATED: 09/01/2005

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        BDL   K6010900VTTW N41562764W072411888    N41562764W072411888W0140001600     NARBRADLEY                 I
          SUSAD        CTR   K6011510VDL  N42172875W072565782    N42172875W072565782W0130016001     NARCHESTER                 I

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   DOCEB K60    W     N42044977W072525865                    W0141    NAR          DOCEB                      I
          SUSAEAENRT   HADUX K60    C     N41480845W072300786                    W0142    NAR          HADUX                      I
          SUSAEAENRT   NOOSE K60    W     N42003835W072471270                    W0142    NAR          NOOSE                      I
          SUSAEAENRT   SASHA K60    C   L N42075870W073085539                    W0140    NAR          SASHA                      I

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KBDLK6ABDL      0      095YHN41562000W072405960W014000173         1800018000C     MNAR     BRADLEY INTL               I

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KBDLK6FR15-Y ABDL    010BDL  K6D 0V       IF                                                18000              A JS   I
          SUSAP KBDLK6FR15-Y ABDL    020DOCEBK6EA0EY   020TF                    32800121     + 03500                              A JS   I
          SUSAP KBDLK6FR15-Y ABDL    030DOCEBK6EA0EE AR   HF                    14820040     + 03500                              A JS   I
          SUSAP KBDLK6FR15-Y ACTR    010CTR  K6D 0V  A    IF                                                18000              A JS   I
          SUSAP KBDLK6FR15-Y ACTR    020DOCEBK6EA0EE B 010TF                    18080130     + 03500                              A JS   I
          SUSAP KBDLK6FR15-Y ASASHA  010SASHAK6EA0E  A    IF                                                18000              A JS   I
          SUSAP KBDLK6FR15-Y ASASHA  020DOCEBK6EA0EE B 010TF                    11880123     + 03500                              A JS   I
          SUSAP KBDLK6FR15-Y R       010DOCEBK6EA0E  I    IF                                 + 03500        18000              A JS   I
          SUSAP KBDLK6FR15-Y R       020NOOSEK6EA1E  F 051TF                    14820060     + 02500                 RW15  K6PGA JS   I
          SUSAP KBDLK6FR15-Y R       020NOOSEK6EA2WALPV       N          ALNAV                                                JS   I
          SUSAP KBDLK6FR15-Y R       030RW15 K6PG0GY M 031TF                    14830059       00229          -360              A JS   I
          SUSAP KBDLK6FR15-Y R       040          0  M  010CA                    1483         + 00525                              A JS   I
          SUSAP KBDLK6FR15-Y R       050HADUXK6EA0EY   010DF                                 + 03000                              A JS   I
          SUSAP KBDLK6FR15-Y R       060HADUXK6EA0EE  R020HM                    32850060     + 03000                              A JS   I
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 173 TDZE: 171	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 15
WINDSOR LOCKS, CT	AIRPORT NAME: BRADLEY INTL	RNAV	RNAV (GPS) Y RWY 15, AMDT 1A 23 SEP 2010	AMDT: 1
				DATED: 09/01/2005

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBDLK6GRW15     0068471484 N41563263W072413571+0000     +0022400169000060150R                                    I

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBDLK6PR15-Y RW15 001Y0000W15A0N4156326300W07241357100+00224036ON4155302900W0724010390010675066400060OF400500AEF1472EI
        SUSAP KBDLK6PR15-Y RW15 002E      +00514+00514LPV       60928                                                        I

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBDLK6SRW15 K6PG               0   18018003425                                                              M   I
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 173 TDZE: 171	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 15
WINDSOR LOCKS, CT	AIRPORT NAME: BRADLEY INTL	RNAV	RNAV (GPS) Y RWY 15, AMDT 1A 23 SEP 2010	AMDT: 1
				DATED: 09/01/2005

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MATEO INT/CRG 34.36 DME	IAK NDB	255.02 / 19.95	2000

MISSED APPROACH

MAP: 5.89 MILES AFTER IAK NDB

CLIMBING LEFT TURN TO 2000 DIRECT IAK NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

FAS OBST: 299 AAO 293829N/0814736W
CHART: APT ELEV 48, TDZE 34
CHART R-2903 A, C, D, R-2906, PALATKA 2 MOA.
IAK NDB TO RW09: 3.10/30.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W IAK NDB, LT, 092.45 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC 092.45 FAF IAK NDB DIST FAF TO MAP 5.89 THLD 5.89
4. MIN. ALT IAK NDB 2000
8. MSA FROM: IAK NDB 2500

MAG VAR: 5W 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-9	600	1	566	600	1	566	600	1 1/2	566	600	1 3/4	566			
CIRCLING	620	1	572	620	1	572	620	1 1/2	572	620	2	572			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST AUGUSTINE ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE S-9 CATS C AND D, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 48 TDZE: 34	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP NDB OR GPS RWY 9
PALATKA, FL	AIRPORT NAME: PALATKA MUNI - LT. KAY LARKIN FIELD	IAK	NDB RWY 9, AMDT 3 23 SEP 2010	AMDT 2
				DATE 07/07/2005

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JUHRA (IAF)	FIKUK (NOPT) (FB)	182.19 / 5.00	3000
HESOV (IAF)	FIKUK (NOPT) (FB)	002.19 / 5.00	3000
FIKUK (IF/IAF)	CIXOM (FB)	092.19 / 6.30	2000
CIXOM (FAF)	WUGUG/2.90 NM TO RW09 (FB)	092.24 / 3.05	
WUGUG/2.90 NM TO RW09	RW09 (MAP) (FO)	092.24 / 2.90	
RW09 (MAP)	314 MSL	092.24	
314 MSL	TOHCI (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW09

CLIMB TO 3000 DIRECT TOHCI AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 272.43 INBOUND.
CHART FAS OBST: 122 TREE 293915N/0814206W
CHART FAS OBST: 137 TREE 293918N/0814150W
CHART R-2903 A, C, D, R-2906, PALATKA 2 MOA.
DISTANCE TO THLD FROM 280 HAT: 0.76 NM.
WAAS CHANNEL # 53320
REFERENCE PATH ID: W09A
LTP HAE: -18.5 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W FIKUK, LT, 092.19 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 092.24 FAF: CIXOM DIST FAF TO MAP: 5.95 THLD: 5.95
4. MIN. ALT: FIKUK 3000, CIXOM 2000, WUGUG/2.90 NM TO RW09 1000'
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: CIXOM 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 5W EPOCH YEAR: 2000

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	314	1	280	314	1	280	314	1	280	314	1	280			
LNAV/VNAV DA	392	1 1/4	358	392	1 1/4	358	392	1 1/4	358	392	1 1/4	358			
LNAV MDA	480	1	446	480	1	446	480	1 1/4	446	480	1 1/2	446			
CIRCLING	620	1	572	620	1	572	620	1 1/2	572	620	2	572			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING ST AUGUSTINE 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 FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 48 TDZE: 34 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PALATKA, FL	PALATKA MUNI - LT. KAY LARKIN FIELD	RNAV	RNAV (GPS) RWY 9, ORIG 23 SEP 2010	AMDT: NONE DATED

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

NOTES, (CONT.):
***LNAV ONLY**
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST AUGUSTINE ALTIMETER SETTING AND INCREASE LPV DA ALL CATS TO 379, LNAV/VNAV DA ALL CATS TO 457, AND ALL MDA 80 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CATS C AND D, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	002/30 CW 182/30 (NOPT)	FIKUK (IF/IAF) (FB)	3000
2.	182/30 CW 272/30	JUHRA (IAF) (FB)	3000
3.	272/30 CW 002/30	HESOV (IAF) (FB)	3000

QUALITY CHECKED

CITY AND STATE	ELEVATION: 48 TDZE: 34	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PALATKA, FL	AIRPORT NAME: PALATKA MUNI - LT. KAY LARKIN FIELD	RNAV	RNAV (GPS) RWY 9, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	28J
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	293928.1285N
LTP/FTP LONGITUDE	0814159.9645W
LTP/FTP ELLIPSOIDAL HEIGHT	-00185
FPAP LATITUDE	293932.3300N
FPAP LONGITUDE	0814017.8100W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	21D353F1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00099
FPAP ORTHOMETRIC HEIGHT	+00099

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 48 TDZE: 34	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PALATKA, FL	AIRPORT NAME: PALATKA MUNI - LT. KAY LARKIN FIELD	RNAV	RNAV (GPS) RWY 9, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CIXOM K70    W     N29391108W081484954                    W0056    NAR          CIXOM                    G
        SUSAEAENRT   FIKUK K70    W     N29385268W081560254                    W0055    NAR          FIKUK                    G
        SUSAEAENRT   HESOV K70    W     N29335230W081554568                    W0055    NAR          HESOV                    G
        SUSAEAENRT   JUHRA K70    W     N29435306W081561943                    W0056    NAR          JUHRA                    G
        SUSAEAENRT   TOHCI K70    W     N29400457W081265370                    W0059    NAR          TOHCI                    G
        SUSAEAENRT   WUGUG K70    W     N29391987W081451944                    W0057    NAR          WUGUG                    G

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 28J K7A28J     0     059YHN29393018W081412221W005000048          1800018000C    MNAR     PALATKA MUNI - LT. KAY LARKIN G

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 28J K7FR09   AFIKUK 010FIKUKK7EA0EE AL   HF                    09220040    + 03000     18000                A JS   G
        SUSAP 28J K7FR09   AHESOV 010HESOVK7EA0E  A    IF                                        18000                A JS   G
        SUSAP 28J K7FR09   AHESOV 020FIKUKK7EA0EE B 010TF                    00220050    + 03000                          A JS   G
        SUSAP 28J K7FR09   AJUHRA 010JUHRAK7EA0E  A    IF                                        18000                A JS   G
        SUSAP 28J K7FR09   AJUHRA 020FIKUKK7EA0EE B 010TF                    18220050    + 03000                          A JS   G
        SUSAP 28J K7FR09   R      010FIKUKK7EA0E  I    IF                               + 03000     18000                A JS   G
        SUSAP 28J K7FR09   R      020CIXOMK7EA1E  F 051TF                    09220063    + 02000                          A JS   G
        SUSAP 28J K7FR09   R      020CIXOMK7EA2WALPV       ALNAV/VNAV ALNAV                                                JS   G
        SUSAP 28J K7FR09   R      021WUGUGK7EA0E S  031TF                    09220031    V 0100001004       -300          A JS   G
        SUSAP 28J K7FR09   R      030RW09 K7PG0GY M 031TF                    09220029      00072            -300          A JS   G
        SUSAP 28J K7FR09   R      040         0  M  010CA                    0922        + 00314                          A JS   G
        SUSAP 28J K7FR09   R      050TOHCIK7EA0EY   010DF                               + 03000                          A JS   G
        SUSAP 28J K7FR09   R      060TOHCIK7EA0EE  R020HM                    27240040    + 03000                          A JS   G

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 28J K7GRW09    0059990923 N29392813W081415996+0000    -001850003200004010OR                                        G
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 48 TDZE: 34	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PALATKA, FL	AIRPORT NAME: PALATKA MUNI - LT. KAY LARKIN FIELD	RNAV	RNAV (GPS) RWY 9, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

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            1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 28J K7PR09    RW09 001 0000W09A0N2939281285W08141599645-001850300N2939323300W0814017810010675092000040 0F40050021D353F1G
        SUSAP 28J K7PR09    RW09 002E      +00099+00099LPV       53320                                                              G
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QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 48 TDZE: 34	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PALATKA, FL	AIRPORT NAME: PALATKA MUNI - LT. KAY LARKIN FIELD	RNAV	RNAV (GPS) RWY 9, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WOKUR (IAF)	TOHCI (NOPT) (FB)	002.43 / 5.00	3000
ZOTUL (IAF)	TOHCI (NOPT) (FB)	182.43 / 5.00	3000
TOHCI (IF/IAF)	NIDRE (FB)	272.43 / 6.30	2000
NIDRE (FAF)	HURIV/2.90 NM TO RW27 (FB)	272.37 / 3.06	
HURIV/2.90 NM TO RW27	RW27 (MAP) (FO)	272.37 / 2.90	
RW27 (MAP)	354 MSL	272.37	
354 MSL	FIKUK (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW27

CLIMB TO 3000 DIRECT FIKUK AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, LT, 092.19 INBOUND.
CHART FAS OBST: 199 TOWER 293920N/0813938W
CHART R-2903 A, C, D, R-2906, PALATKA 2 MOA.
CHART W-158E.
DISTANCE TO THLD FROM 320 HAT: 0.89 NM.
WAAS CHANNEL # 99320
REFERENCE PATH ID: W27A
LTP HAE: -18.8 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E TOHCI, RT, 272.43 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 272.37 FAF: NIDRE DIST FAF TO MAP: 5.96 THLD: 5.96
4. MIN. ALT: TOHCI 3000, NIDRE 2000, HURIV/2.90 NM TO RW27 1000*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: NIDRE 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 5W EPOCH YEAR: 2000

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	354	1 1/4	320	354	1 1/4	320	354	1 1/4	320	354	1 1/4	320			
LNAV/VNAV DA	512	1 3/4	478	512	1 3/4	478	512	1 3/4	478	512	1 3/4	478			
LNAV MDA	460	1	426	460	1	426	460	1 1/4	426	460	1 1/4	426			
CIRCLING	620	1	572	620	1	572	620	1 1/2	572	620	2	572			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING ST AUGUSTINE 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 FORM 8260-10)

CHECKED 4

CITY AND STATE	ELEVATION: 48 TDZE: 34 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PALATKA, FL	PALATKA MUNI - LT. KAY LARKIN FIELD	RNAV	RNAV (GPS) RWY 27, ORIG 23 SEP 2010	AMDT: NONE DATED

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST AUGUSTINE ALTIMETER SETTING AND INCREASE LPV DA ALL CATS TO 419, LNAV/VNAV DA ALL CATS TO 557, AND ALL MDA 80 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CATS C AND D, AND CIRCLING CAT C VISIBILIY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	182/30 CW 002/30 (NOPT)	TOHCI (IF/IAF) (FB)	3000
2.	002/30 CW 092/30	WOKUR (IAF) (FB)	3000
3.	092/30 CW 182/30	ZOTUL (IAF) (FB)	3000

QUALITY CHECKED 4

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	28J
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	293930.7115N
LTP/FTP LONGITUDE	0814057.1360W
LTP/FTP ELLIPSOIDAL HEIGHT	-00188
FPAP LATITUDE	293926.5100N
FPAP LONGITUDE	0814239.2900W
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	1056
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	BFD7CBEE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00096
FPAP ORTHOMETRIC HEIGHT	+00096

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 48 TDZE: 34	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PALATKA, FL	AIRPORT NAME: PALATKA MUNI - LT. KAY LARKIN FIELD	RNAV	RNAV (GPS) RWY 27, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   FIKUK K70    W     N29385268W081560254                    W0055     NAR          FIKUK                 G
          SUSAEAENRT   HURIV K70    W     N29393885W081373765                    W0058     NAR          HURIV                 G
          SUSAEAENRT   NIDRE K70    W     N29394735W081340731                    W0058     NAR          NIDRE                 G
          SUSAEAENRT   TOHCI K70    W     N29400457W081265370                    W0059     NAR          TOHCI                 G
          SUSAEAENRT   WOKUR K70    W     N29350413W081263827                    W0059     NAR          WOKUR                 G
          SUSAEAENRT   ZOTUL K70    W     N29450500W081270915                    W0059     NAR          ZOTUL                 G

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP 28J K7A28J     0     059YHN29393018W081412221W005000048         1800018000C    MNAR    PALATKA MUNI - LT. KAY LARKIN G

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP 28J K7FR27   ATOHCI 010TOHCIK7EA0EE AR   HF                    27240040    + 03000     18000                A JS   G
          SUSAP 28J K7FR27   AWOKUR 010WOKURK7EA0E  A    IF                                        18000                A JS   G
          SUSAP 28J K7FR27   AWOKUR 020TOHCIK7EA0EE B 010TF                     00240050    + 03000                          A JS   G
          SUSAP 28J K7FR27   AZOTUL 010ZOTULK7EA0E  A    IF                                        18000                A JS   G
          SUSAP 28J K7FR27   AZOTUL 020TOHCIK7EA0EE B 010TF                     18240050    + 03000                          A JS   G
          SUSAP 28J K7FR27   R      010TOHCIK7EA0E  I    IF                                + 03000     18000                A JS   G
          SUSAP 28J K7FR27   R      020NIDREK7EA1E  F 051TF                     27240063    + 02000                          A JS   G
          SUSAP 28J K7FR27   R      020NIDREK7EA2WALPV      ALNAV/VNAV ALNAV                                                 JS   G
          SUSAP 28J K7FR27   R      021HURIVK7EA0E S  031TF                     27240031    V 0100001003        -300         A JS   G
          SUSAP 28J K7FR27   R      030RW27 K7PG0GY M 031TF                     27240029      00071             -300         A JS   G
          SUSAP 28J K7FR27   R      040         0  M  010CA                     2724        + 00354                          A JS   G
          SUSAP 28J K7FR27   R      050FIKUKK7EA0EY   010DF                                 + 03000                          A JS   G
          SUSAP 28J K7FR27   R      060FIKUKK7EA0EE  L020HM                     09220040    + 03000                          A JS   G

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP 28J K7GRW27    0059992723 N29393071W081405714+0000    -00188000310449401OOR                                  G
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 48 TDZE: 34	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PALATKA, FL	AIRPORT NAME: PALATKA MUNI - LT. KAY LARKIN FIELD	RNAV	RNAV (GPS) RWY 27, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------
    SUSAP 28J K7PR27   RW27 001 0000W27A0N2939307115W08140571360-001880300N2939265100W0814239290010675105600040OF400500BFD7CBEEG
    SUSAP 28J K7PR27   RW27 002E      +00096+00096LPV       99320                                                                  G
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 48 TDZE: 34	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PALATKA, FL	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 27, ORIG	AMDT: NONE
	PALATKA MUNI - LT. KAY LARKIN FIELD		23 SEP 2010	DATED:

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MGR VOR/DME	TIFTO NDB	049.67 / 25.03	2200
PZD VORTAC	TIFTO NDB	113.65 / 46.93	2500

MISSED APPROACH

MAP: 4.05 MILES AFTER TIFTO NDB

CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 2200 DIRECT TO TIFTO NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 331.08 INBOUND.
CHART FAS OBST: 523 TANK 312459N/0832936W
TIFTO NDB TO RW33: 3.28/51.

1. PT L SIDE OF COURSE 151.08 OUTBOUND 2200 FT WITHIN 10 MILES OF TIFTO NDB (IAF)
2.
3. FAC 331.08 FAF TIFTO NDB DIST FAF TO MAP 4.05 THLD 4.05
4. MIN. ALT TIFTO NDB 1800
8. MSA FROM: TM NDB 2500

MAG VAR: 3W EPOCH YEAR:1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-33	880	3/4	526	880	3/4	526	880	1	526	880	1 1/2	526			
CIRCLING	900	1	545	920	1	565	1040	2	685	1060	2 1/4	705			

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 MOULTRIE MUNI ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE S-33 CAT C AND D VISIBILITY 1/4 MILE AND INCREASE CIRCLING
SEE 8260-10

QUALITY CHECK 5

CITY AND STATE	ELEVATION: 355 TDZE: 354	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP NDB OR GPS RWY 33
TIFTON, GA	AIRPORT NAME: HENRY TIFT MYERS	TM	NDB RWY 33, AMDT 1 23 SEP 2010	AMDT ORIG-A
				DATE 05/10/2007

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CAT D VISIBILITY 1/4 MILE.
CHART NOTE: CIRCLING NA AT NIGHT TO RWYS 10/15/28.



CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
TIFTON, GA	**ELEVATION: 355 TDZE: 354** AIRPORT NAME: **HENRY TIFT MYERS**	**TM**	**NDB RWY 33, AMDT 1** 23 SEP 2010	SUP: **NDB OR GPS RWY 33** AMDT: **ORIG-A** DATED: **05/10/2007**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
IFM VOR	ZOKAD (FO)	096.52 / 11.56	2000
MGR VOR/DME	ZOKAD (FO)	057.09 / 34.24	2000
OTK VOR/DME (IAF)	ZOKAD (NOPT) (FB)	004.21 / 38.09	2000
ZOKAD (IF/IAF)	YEPUB (FB)	277.55 / 6.10	2000

MISSED APPROACH

LNAV: RW28

CLIMBING RIGHT TURN TO 2000 DIRECT ZOKAD AND HOLD.

ADDITIONAL FLIGHT DATA:
FAS OBST: 549 AAO 312503N/0832437W
YEPUB TO RW28: 3.04/40.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E ZOKAD, RT, 277.55 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 277.49 FAF: YEPUB DIST FAF TO MAP: 5.02 THLD: 5.02
4. MIN. ALT: ZOKAD 2000, YEPUB 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 NOT CLEAR
8. MSA FROM: RW28 2500

MAG VAR: 3W EPOCH YEAR: 1990

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	800	1	450	800	1	450	800	1 1/4	450	800	1 1/2	450			
CIRCLING	900	1	545	920	1	565	1040	2	685	1060	2 1/4	705			

NOTES:
CHART NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
SEE 8260-10

QUALITY CHECKED

CITY AND STATE	ELEVATION: 355 TDZE: 350	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TIFTON, GA	AIRPORT NAME: HENRY TIFT MYERS	RNAV	RNAV (GPS) RWY 28, ORIG 23 SEP 2010	AMDT: NONE DATED

NOTES CONT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOULTRIE ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND LNAV CATS C AND D AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.
CHART NOTE: CIRCLING NA AT NIGHT TO RWYS 10/15/28.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MGR VOR/DME ON V537 SOUTHBOUND AND IFM VOR ON V578 WESTBOUND.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 355 TDZE: 350	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TIFTON, GA	AIRPORT NAME: HENRY TIFT MYERS	RNAV	RNAV (GPS) RWY 28, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAD        IFM   K7011250V TW N31254317W083291999                      W0010     0     NARTIFT MYERS
       SUSAD        MGR   K7010880VDL  N31045617W083481522    N31045617W083481522W0020002901     NARMOULTRIE
       SUSAD        OTK   K7011480VDH  N30464960W083164702    N30464960W083164702W0020001992     NARVALDOSTA

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   YEPUB K70    W     N31252872W083225713                      W0049     NAR          YEPUB
       SUSAEAENRT   ZOKAD K70    W     N31245981W083155079                      W0049     NAR          ZOKAD

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KTMAK7ATMA     0     055YHN31254433W083291876W003000355        1800018000C    MNAR    HENRY TIFT MYERS

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KTMAK7FR28   AIFM   010IFM  K7D 0V       IF                                          18000                B JS
       SUSAP KTMAK7FR28   AIFM   020ZOKADK7EA0EY   020TF                    09650116    + 02000                      B JS
       SUSAP KTMAK7FR28   AIFM   030ZOKADK7EA0EE AR   HF                    27760040    + 02000                      B JS
       SUSAP KTMAK7FR28   AMGR   010MGR  K7D 0V       IF                                          18000                B JS
       SUSAP KTMAK7FR28   AMGR   020ZOKADK7EA0EY   020TF                    05710342    + 02000                      B JS
       SUSAP KTMAK7FR28   AMGR   030ZOKADK7EA0EE AR   HF                    27760040    + 02000                      B JS
       SUSAP KTMAK7FR28   AOTK   010OTK  K7D 0V  A    IF                                          18000                B JS
       SUSAP KTMAK7FR28   AOTK   020ZOKADK7EA0EE B 010TF                    00420381    + 02000                      B JS
       SUSAP KTMAK7FR28   R      010ZOKADK7EA0E  I    IF                                + 02000    18000                B JS
       SUSAP KTMAK7FR28   R      020YEPUBK7EA1E  F 051TF                    27760061    + 02000              RW28  K7PGB JS
       SUSAP KTMAK7FR28   R      020YEPUBK7EA2WN          N          ALNAV                                              JS
       SUSAP KTMAK7FR28   R      030RW28 K7PG0GY M 031TF                    27750050      00379          -304          B JS
       SUSAP KTMAK7FR28   R      040         0  M  010CA                    2775        + 00755                      B JS
       SUSAP KTMAK7FR28   R      050ZOKADK7EA0EY  R010DF                              + 02000                      B JS
       SUSAP KTMAK7FR28   R      060ZOKADK7EA0EE  R020HM                    27760040    + 02000                      B JS
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 355 TDZE: 350	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TIFTON, GA	AIRPORT NAME: HENRY TIFT MYERS	RNAV	RNAV (GPS) RWY 28, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMAK7GRW28     0038052774 N31255223W083284815+0300     +0076400339000040075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMAK7SRW28 K7PG               0    18018002525                                                                  M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 355 TDZE: 350	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TIFTON, GA	AIRPORT NAME: HENRY TIFT MYERS	RNAV	RNAV (GPS) RWY 28, ORIG 23 SEP 2010	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MGR VOR/DME	ZULED (FB)	076.40 / 21.21	2200
IFM VOR	JUNOK (FO)	152.88 / 10.99	2200
ZULED (IAF)	JUNOK (NOPT) (FB)	018.28 / 5.39	2200
JUNOK (IF/IAF)	HOPRO (FB)	332.39 / 6.10	1800

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

CLIMB TO 2200 DIRECT CUNDI AND LEFT TURN ON TRACK 213.00 TO YUSUL AND ON TRACK 123.43 TO JUNOK AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 523 TANK 312459N/0832936W
CHART 356 POLE 312507N/0832910W.
DISTANCE TO THLD FROM 250 HAT: 0.69 NM.
CHART VDP AT 1.41 MILES TO RW33* *LNAV ONLY.
WAAS CHANNEL # 61118
REFERENCE PATH ID: W33A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE JUNOK, RT, 332.39 INBOUND, 2200 FT. IN LIEU OF PT (IAF)
3. FAC: 332.36 FAF: ____ DIST FAF TO MAP: 4.40 THLD: 4.40
4. MIN. ALT: JUNOK 2200, HOPRO 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: HOPRO 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 43.2 34:1 IS NOT CLEAR
8. MSA FROM: RW33 2500

MAG VAR: 3W EPOCH YEAR: 1990

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
LPV DA	604	3/4	250	604	3/4	250	604	3/4	250	604	3/4	250			
LNAV/VNAV DA	823	1 1/4	469	823	1 1/4	469	823	1 1/4	469	823	1 1/4	469			
LNAV MDA	840	3/4	486	840	3/4	486	840	3/4	486	840	1	486			
CIRCLING	900	1	545	920	1	565	1040	2	685	1060	2 1/4	705			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING MOULTRIE 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

QUALITY 5

CITY AND STATE	ELEVATION: 355 TDZE: 354	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TIFTON, GA	AIRPORT NAME: HENRY TIFT MYERS	RNAV	RNAV (GPS) RWY 33, ORIG 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOULTRIE MUNI ALTIMETER SETTING AND INCREASE LPV AND LNAV/VNAV DA 69 FEET AND ALL MDA 80 FEET AND INCREASE LNAV/VNAV VISIBILITY ALL CATS 1/4 MILE AND LNAV CATS C AND D VISIBILITY 1/4 MILE, CIRCLING CATS C AND D 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSRS INCREASE LNAV CAT A AND B VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSRS WHEN USING MOLTRIE MUNI ALTIMETER SETTING, INCREASE LPV VISIBILITY ALL CATS 1/2 MILE AND LNAV VISIBILITY CATS A AND B 1/4 MILE.
CHART NOTE: CIRCLING NA AT NIGHT TO RWYS 10/15/28.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 355 TDZE: 354	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TIFTON, GA	AIRPORT NAME: HENRY TIFT MYERS	RNAV	RNAV (GPS) RWY 33, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTMA
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	312514.4400N
LTP/FTP LONGITUDE	0832908.5900W
LTP/FTP ELLIPSOIDAL HEIGHT	+00767
FPAP LATITUDE	312614.0600N
FPAP LONGITUDE	0832949.8100W
THRESHOLD CROSSING HEIGHT (TCH)	00043.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	127.75
LENGTH OFFSET	0456
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	05544424

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01035
FPAP ORTHOMETRIC HEIGHT	+01035

QUALITY CHECKED

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAD        IFM   K7011250V TW N31254317W083291999                      W0010     0     NARTIFT MYERS
        SUSAD        MGR   K7010880VDL  N31045617W083481522    N31045617W083481522W0020002901     NARMOULTRIE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CUNDI K70    W     N31305067W083330111                      W0048     NAR          CUNDI
        SUSAEAENRT   HOPRO K70    C     N31212700W083263149                      W0048     NAR          HOPRO
        SUSAEAENRT   JUNOK K70    C     N31161116W083225374                      W0048     NAR          JUNOK
        SUSAEAENRT   YUSUL K70    W     N31234356W083374853                      W0047     NAR          YUSUL
        SUSAEAENRT   ZULED K70    C   L N31105834W083243322                      W0048     NAR          ZULED

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMAK7ATMA     0     055YHN31254433W083291876W003000355         1800018000C    MNAR    HENRY TIFT MYERS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMAK7FR33   AIFM   010IFM  K7D 0V       IF                                                  18000                A JS
        SUSAP KTMAK7FR33   AIFM   020JUNOKK7EA0EY   020TF                    15290110    + 02200                                A JS
        SUSAP KTMAK7FR33   AIFM   030JUNOKK7EA0EE AR   HF                    33240040    + 02200                                A JS
        SUSAP KTMAK7FR33   AMGR   010MGR  K7D 0V       IF                                                  18000                A JS
        SUSAP KTMAK7FR33   AMGR   020ZULEDK7EA0E  A 020TF                    07640212    + 02200                                A JS
        SUSAP KTMAK7FR33   AMGR   030JUNOKK7EA0EE B 010TF                    01830054    + 02200                                A JS
        SUSAP KTMAK7FR33   R      010JUNOKK7EA0E  I    IF                                + 02200     18000                      A JS
        SUSAP KTMAK7FR33   R      020HOPROK7EA1E  F 051TF                    33240061    + 01800                RW33  K7PGA JS
        SUSAP KTMAK7FR33   R      020HOPROK7EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
        SUSAP KTMAK7FR33   R      030RW33 K7PG0GY M 031TF                    33240044      00383                -300           A JS
        SUSAP KTMAK7FR33   R      040         0  M  010CA                    3324        + 00604                                A JS
        SUSAP KTMAK7FR33   R      050CUNDIK7EA0E    010DF                                                                      A JS
        SUSAP KTMAK7FR33   R      060YUSULK7EA0E   L010TFY                    2130                                            A JS
        SUSAP KTMAK7FR33   R      070JUNOKK7EA0EY   010TF                    1234        + 02200                                A JS
        SUSAP KTMAK7FR33   R      080JUNOKK7EA0EE  R020HM                    33240040    + 02200                                A JS
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 355 TDZE: 354	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TIFTON, GA	AIRPORT NAME: HENRY TIFT MYERS	RNAV	RNAV (GPS) RWY 33, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMAK7GRW33     0055043323 N31251444W083290859+0200     +00767003400000431001

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMAK7PR33    RW33 001 0000W33A0N3125144400W08329085900+007670300N3126140600W083294981001277504560004 32F40050005544424
        SUSAP KTMAK7PR33    RW33 002E       +01035+01035LPV       61118

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMAK7SRW33 K7PG                0   18018002525                                                                M
```



CITY AND STATE	ELEVATION: 355 TDZE: 354	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TIFTON, GA	AIRPORT NAME: HENRY TIFT MYERS	RNAV	RNAV (GPS) RWY 33, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MGR VOR/DME	IFM VOR	039.95 / 26.33	2000

MISSED APPROACH

MAP: IFM VOR

CLIMBING LEFT TURN TO 1500 ON IFM VOR R-180 THEN
CLIMBING LEFT TURN TO 2000 DIRECT IFM VOR AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 264.00 INBOUND.
FAS OBST: 559 AAO 312644N/0832449W
FAC CROSSES RWY C/L EXTENDED 2888 FROM THLD.

1. PT L SIDE OF COURSE 084.00 OUTBOUND 2000 FT WITHIN 10 MILES OF IFM VOR (IAF)
2.
3. FAC 264.00 FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: IFM VOR 2500

MAG VAR: 1W EPOCH YEAR: 1980

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-28	860	1	510	860	1	510	860	1 1/2	510	860	1 1/2	510			
CIRCLING	900	1	545	920	1	565	1040	2	685	1060	2 1/4	705			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOULTRIE MUNI ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE S-28 CAT D VISIBILITY 1/4 MILE AND CIRCLING VISIBILITY CATS C AND D 1/4 MILE.
SEE 8260-10

QUALITY 5

CITY AND STATE	ELEVATION: 355 TDZE: 350	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
TIFTON, GA	AIRPORT NAME: HENRY TIFT MYERS	IFM	VOR RWY 28, AMDT 10 23 SEP 2010	AMDT 9C
				DATE 2 MAY 2002

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

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: CIRCLING NA AT NIGHT TO RWYS 10/15/28.
CHART NOTE: STRAIGHT IN MINIMUMS NA AT NIGHT.



CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
TIFTON, GA	**ELEVATION: 355 TDZE: 350** AIRPORT NAME: **HENRY TIFT MYERS**	**IFM**	**VOR RWY 28, AMDT 10** 23 SEP 2010	SUP: AMDT: **9C** DATED: **2 MAY 2002**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC: ____ FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT:
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT:
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY 5

CITY AND STATE	ELEVATION: 869 TDZE: 857	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CEDAR RAPIDS, IA	AIRPORT NAME: THE EASTERN IOWA	RNAV	RNAV (GPS) RWY 8, ORIG, 06/03/2010	AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
VINTY	FEMIT (FB)	167.35 / 10.38	3500
GUERN	HELAB (FB)	054.50 / 13.88	2500
BEIGE (IAF)	CUKLA (NOPT) (FB)	077.29 / 9.52	2500
HELAB (IAF)	CUKLA (NOPT) (FB)	358.75 / 5.00	2500
FEMIT (IAF)	CUKLA (NOPT) (FB)	178.75 / 5.00	2500
CUKLA (IF/IAF)	FONER (FB)	088.75 / 6.05	2500

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW09

CLIMB TO 2700 DIRECT JUTUS AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 269.10 INBOUND.
CHART FAS OBST: 935 TREE 415313N/0914438W
CHART FAS OBST: 979 TREE 415245N/0914603W
DISTANCE TO THLD FROM 200 HAT: 0.48 NM.
CHART VDP AT 1.02 MILES TO RW09* *LNAV ONLY.
WAAS CHANNEL # 77603
REFERENCE PATH ID: W09A
CHART TDZE 857

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W CUKLA, RT, 088.75 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 088.84 FAF: FONER DIST FAF TO MAP: 4.95 THLD: 4.95
4. MIN. ALT: CUKLA 2500, FONER 2500, OPHAW/1.70 NM TO RW09 1440*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: FONER 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 49.0 34:1 IS CLEAR
8. MSA FROM: RW09 4000

MAG VAR: 2E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1057	2400	200	1057	2400	200	1057	2400	200	1057	2400	200			
LNAV/VNAV DA	1204	4000	347	1204	4000	347	1204	4000	347	1204	4000	347			
LNAV MDA	1240	2400	383	1240	2400	383	1240	2400	383	1240	5000	383			
CIRCLING	1280	1	410	1320	1	450	1320	1 1/2	450	1420	2	550			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING IOWA CITY 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 PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE

QUALITY IS CHECKED

CITY AND STATE	ELEVATION: 870 TDZE: 857	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CEDAR RAPIDS, IA	AIRPORT NAME: THE EASTERN IOWA	RNAV	RNAV (GPS) RWY 9, AMDT 2, 09/23/2010 23 SEP 2010	AMDT: 1 DATED 05/10/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

NOTES, (CONT.):
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE IOWA CITY ALTIMETER SETTING AND INCREASE ALL DA 64 FEET AND ALL MDA 80 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5000 AND LNAV CAT C TO RVR 4000.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV CAT D VISIBILITY TO RVR 6000.
CHART NOTE: VDP NA WITH IOWA CITY ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT VINTY ON V67 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT GUERN ON V294 SOUTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT BEIGE ON V172 WESTBOUND.
CHART NOTE: WHEN USING IOWA CITY ALTIMETER SETTING; FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000, LNAV CAT C VISIBILITY TO RVR 6000 AND LNAV CAT D VISIBILITY TO 1 1/2 MILES.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 870 TDZE: 857	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CEDAR RAPIDS, IA	AIRPORT NAME: THE EASTERN IOWA	RNAV	RNAV (GPS) RWY 9, AMDT 2, 09/23/2010 23 SEP 2010	AMDT: 1
				DATED: 05/10/2007

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCID
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	415304.7385N
LTP/FTP LONGITUDE	0914345.0070W
LTP/FTP ELLIPSOIDAL HEIGHT	+02281
FPAP LATITUDE	415303.3800N
FPAP LONGITUDE	0914151.3300W
THRESHOLD CROSSING HEIGHT (TCH)	00049.0
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	F416E475

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02603
FPAP ORTHOMETRIC HEIGHT	+02603

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 870 TDZE: 857	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CEDAR RAPIDS, IA	AIRPORT NAME: THE EASTERN IOWA	RNAV	RNAV (GPS) RWY 9, AMDT 2, 09/23/2010 23 SEP 2010	AMDT: 1
				DATED: 05/10/2007

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   BEIGE K30    C   L N41512880W092105986                    E0003     NAR          BEIGE
         SUSAEAENRT   CUKLA K30    W     N41531428W091582854                    E0001     NAR          CUKLA
         SUSAEAENRT   FEMIT K30    W     N41581438W091582328                    E0001     NAR          FEMIT
         SUSAEAENRT   FONER K30    C     N41530926W091502231                    E0000     NAR          FONER
         SUSAEAENRT   GUERN K30    C   L N41403542W092140223                    E0003     NAR          GUERN
         SUSAEAENRT   HELAB K30    W     N41481417W091583379                    E0001     NAR          HELAB
         SUSAEAENRT   JUTUS K30    W     N41525116W091262934                    W0003     NAR          JUTUS
         SUSAEAENRT   OPHAW K30    C     N41530634W091460155                    W0001     NAR          OPHAW
         SUSAEAENRT   VINTY K30    C   L N42082698W092005765                    E0001     NAR          VINTY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KCIDK3ACID     0     086YHN41530490W091423890E002000870         1800018000C    MNAR    THE EASTERN IOWA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KCIDK3FR09   ABEIGE 010BEIGEK3EA0E  A    IF                                                18000                A JS
         SUSAP KCIDK3FR09   ABEIGE 020CUKLAK3EA0EE B 010TF                    07730095    + 02500                                A JS
         SUSAP KCIDK3FR09   ACUKLA 010CUKLAK3EA0EE AR   HF                    08880040    + 02500    18000                       A JS
         SUSAP KCIDK3FR09   AGUERN 010GUERNK3EA0E       IF                                        18000                A JS
         SUSAP KCIDK3FR09   AGUERN 020HELABK3EA0E  A 020TF                    05450139    + 02500                                A JS
         SUSAP KCIDK3FR09   AGUERN 030CUKLAK3EA0EE B 010TF                    35880050    + 02500                                A JS
         SUSAP KCIDK3FR09   AVINTY 010VINTYK3EA0E       IF                                        18000                A JS
         SUSAP KCIDK3FR09   AVINTY 020FEMITK3EA0E  A 020TF                    16740104    + 03500                                A JS
         SUSAP KCIDK3FR09   AVINTY 030CUKLAK3EA0EE B 010TF                    17880050    + 02500                                A JS
         SUSAP KCIDK3FR09   R      010CUKLAK3EA0E  I    IF                                + 02500    18000                       A JS
         SUSAP KCIDK3FR09   R      020FONERK3EA1E  F 051TF                    08880061    + 02500                RW09  K3PGA   A JS
         SUSAP KCIDK3FR09   R      020FONERK3EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
         SUSAP KCIDK3FR09   R      021OPHAWK3EA0E S  031TF                    08880033    V 0144001447       -300                A JS
         SUSAP KCIDK3FR09   R      030RW09 K3PG0GY M 031TF                    08880017      00903            -300                A JS
         SUSAP KCIDK3FR09   R      040         0  M  010CA                    0888        + 01057                                A JS
         SUSAP KCIDK3FR09   R      050JUTUSK3EA0EY   010DF                                + 02700                                A JS
         SUSAP KCIDK3FR09   R      060JUTUSK3EA0EE  R020HM                    26910040    + 02700                                A JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 870 TDZE: 857	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CEDAR RAPIDS, IA	AIRPORT NAME: THE EASTERN IOWA	RNAV	RNAV (GPS) RWY 9, AMDT 2, 09/23/2010	AMDT: 1
			23 SEP 2010	DATED: 05/10/2007

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KCIDK3GRW09     0086000889 N41530474W091434501+0100     +0228100854000047150I

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KCIDK3PR09    RW09 001 0000W09A0N4153047385W09143450070+022810300N4153033800W091415133001067500000000490F400350F416E475
       SUSAP KCIDK3PR09    RW09 002E       +02603+02603LPV       77603

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KCIDK3SRW09 K3PG                0   18018004025                                                                M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 870 TDZE: 857	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CEDAR RAPIDS, IA	AIRPORT NAME: THE EASTERN IOWA	RNAV	RNAV (GPS) RWY 9, AMDT 2, 09/23/2010 23 SEP 2010	AMDT: 1
				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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. ____
3. FAC: ____ FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: ____
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: ____
8. MSA FROM: ____

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 870 TDZE: 862	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CEDAR RAPIDS, IA	AIRPORT NAME: THE EASTERN IOWA	RNAV	RNAV (GPS) RWY 26, ORIG, 06/03/2010	AMDT: NONE
				DATED

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. 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, 13, 27, 31, STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, BUILDING 354' FROM DER, 563' RIGHT OF CENTERLINE, 22' AGL/873' MSL. POLE 678' FROM DER, 642' RIGHT OF CENTERLINE, 33' AGL/884' MSL. OL ON BUILDING 1133' FROM DER, 596' RIGHT OF CENTERLINE, 41' AGL/890' MSL. ANTENNAS BEGINNING 491' FROM DER, 314' LEFT OF CENTERLINE, UP TO 28' AGL/879' MSL.
NOTE: RWY 13, VEHICLES ON ROAD 961' FROM DER, 709' LEFT OF CENTERLINE, UP TO 15' AGL/874' MSL.
NOTE: RWY 27, POLES BEGINNING 1338' FROM DER, 700' RIGHT OF CENTERLINE, UP TO 34' AGL/895' MSL.
NOTE: RWY 31, VEHICLES ON ROAD BEGINNING 28' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 17' AGL/876' MSL. (CONT'D)

(4) CONTROLLING OBSTACLES:

QUALITY CHECKED

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt No.
CEDAR RAPIDS, IA	THE EASTERN IOWA	09/23/2010	4

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)

TREE 3464' FROM DER, 180' RIGHT OF CENTERLINE, 100' AGL/979' MSL.



City, State	Airport	Effective Date	Amdt. No.
CEDAR RAPIDS, IA	**THE EASTERN IOWA**	**09/23/2010**	**4**

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 869 TDZE: 862	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
CEDAR RAPIDS, IA	AIRPORT NAME: THE EASTERN IOWA	CID	VOR RWY 26, ORIG, 06/03/2010	AMDT NONE
				DATE

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 869 TDZE: 857	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
CEDAR RAPIDS, IA	AIRPORT NAME: **THE EASTERN IOWA**	**CID**	**VOR/DME RWY 8, ORIG, 06/03/2010**	AMDT **NONE**
				DATE

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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
RAVDE/CID 1.60 DME	CID VOR/DME	088.90 / 1.60	1700

MISSED APPROACH

MAP: CID 2.54 DME FIX

CLIMB TO 3000 THEN RIGHT TURN DIRECT CID VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 088.90 INBOUND.
CHART FAS OBST: 979 TREE 415245N/0914603W
CHART VDP AT 1.52 DME;
DISTANCE VDP TO THLD 1.02 MILES.
CID VOR/DME TO RW09: 2.92/60.
CHART TDZE 857.

1. PT L SIDE OF COURSE 268.90 OUTBOUND 2900 FT WITHIN 10 MILES OF CID VOR/DME (IAF)
2.
3. FAC 088.90 FAF CID VOR/DME DIST FAF TO MAP THLD 2.54
4. MIN. ALT CID VOR/DME 2000, RAVDE 1700
8. MSA FROM: CID VOR/DME 090-270 3300, 270-090 4000

MAG VAR: 5E EPOCH YEAR:1965

MINIMUMS

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

CATEGORY ====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-9	1240	2400	383	1240	2400	383	1240	2400	383	1240	5000	383			
CIRCLING	1280	1	410	1320	1	450	1320	1 1/2	450	1420	2	550			

NOTES:

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-9 CAT D VISIBILITY TO RVR 6000.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE IOWA CITY ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE S-9 CAT C VISIBILITY TO RVR 4000.
CHART NOTE: VDP NA WITH IOWA CITY ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 870 TDZE: 857 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP	VOR RWY 9
CEDAR RAPIDS, IA	THE EASTERN IOWA	CID	VOR/DME RWY 9, AMDT 17, 09/23/2010	AMDT	16C
			23 SEP 2010	DATE	03/15/2007

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BRL VORTAC	NOFWO (FB)	297.55 / 18.05	2600
NOFWO (IAF)	HOTTS (NOPT) (FB)	256.88 / 5.00	2600
VOMZY (IAF)	HOTTS (NOPT) (FB)	098.90 / 7.99	2600
HOTTS (IF/IAF)	AWIFI (FB)	166.81 / 6.22	2300

MISSED APPROACH

LNAV: RW17

CLIMB TO 2600 DIRECT DRIBS AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 346.89 INBOUND.
FAS OBST: 929 AAO 404433N/0912049W
AWIFI TO RW17: 3.04/45.
CHART HOWARD WEST MOA.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N HOTTS, RT, 166.81 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 166.83 FAF: AWIFI DIST FAF TO MAP: 4.78 THLD: 4.78
4. MIN. ALT: HOTTS 2600, AWIFI 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: RW17 2500

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
LNAV MDA	1180	1	467	1180	1	467	1180	1 1/4	467	1180	1 1/2	467			
CIRCLING	1180	1	456	1180	1	456	1180	1 1/2	456	1280	2	556			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURLINGTON ALTIMETER SETTING; INCREASE ALL MDA 40 FEET AND INCREASE LNAV CAT C VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BRL VORTAC AIRWAY RADIALS 241 CW 322.

QUALITY 2 CHECKED

CITY AND STATE	AIRPORT NAME	FACILITY IDENTIFIER	PROCEDURE NO./AMDT NO./EFFECTIVE DATE	
FORT MADISON, IA	ELEVATION: 724 TDZE: 713 FORT MADISON MUNI	RNAV	RNAV (GPS) RWY 17, ORIG 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        BRL   K3011140VTLA N40432425W090553320    N40432425W090553320E0050007301     NARBURLINGTON

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AWIFI K30    W     N40443159W091211166                    W0002     NAR          AWIFI
        SUSAEAENRT   DRIBS K50    W     N40283037W091161722                    W0003     NAR          DRIBS
        SUSAEAENRT   HOTTS K30    W     N40503510W091230363                    W0002     NAR          HOTTS
        SUSAEAENRT   NOFWO K30    W     N40514342W091163866                    W0003     NAR          NOFWO
        SUSAEAENRT   VOMZY K30    C   L N40514979W091332788                    W0001     NAR          VOMZY

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFSWK3AFSW     0      040YHN40393335W091193684W000000724         1800018000C    MNAR    FORT MADISON MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFSWK3FR17   ABRL    010BRL  K3D 0V       IF                                                  18000              B JS
        SUSAP KFSWK3FR17   ABRL    020NOFWOK3EA0E  A 020TF                    29760181    + 02600                             B JS
        SUSAP KFSWK3FR17   ABRL    030HOTTSK3EA0EE B 010TF                    25690050    + 02600                             B JS
        SUSAP KFSWK3FR17   AHOTTS  010HOTTSK3EA0EE AR   HF                   16680040    + 02600    18000                    B JS
        SUSAP KFSWK3FR17   AVOMZY  010VOMZYK3EA0E  A    IF                                       18000                    B JS
        SUSAP KFSWK3FR17   AVOMZY  020HOTTSK3EA0EE B 010TF                    09890080    + 02600                             B JS
        SUSAP KFSWK3FR17   R       010HOTTSK3EA0E  I    IF                              + 02600    18000                    B JS
        SUSAP KFSWK3FR17   R       020AWIFIK3EA1E  F 051TF                    16680062    + 02300               RW17  K3PGB JS
        SUSAP KFSWK3FR17   R       020AWIFIK3EA2WN          N         ALNAV                                                JS
        SUSAP KFSWK3FR17   R       030RW17 K3PG0GY M 031TF                    16680048      00757          -304             B JS
        SUSAP KFSWK3FR17   R       040         0  M  010CA                    1668        + 01124                             B JS
        SUSAP KFSWK3FR17   R       050DRIBSK5EA0EY   010DF                             + 02600                             B JS
        SUSAP KFSWK3FR17   R       060DRIBSK5EA0EE  R020HM                    34690040    + 02600                             B JS
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CITY AND STATE	ELEVATION: 724 TDZE: 713	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FORT MADISON, IA	AIRPORT NAME: FORT MADISON MUNI	RNAV	RNAV (GPS) RWY 17, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

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            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFSWK3GRW17     0040021669 N40395204W091194579+0000     +0183800712000045075R

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFSWK3SRW17 K3PG                0    18018002525                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 724 TDZE: 713	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FORT MADISON, IA	AIRPORT NAME: FORT MADISON MUNI	RNAV	RNAV (GPS) RWY 17, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BRL VORTAC	ZONOL (FB)	218.54 / 17.57	2600
LOAMY	LUGIF (FB)	084.06 / 18.72	2600
ZONOL (IAF)	DRIBS (NOPT) (FB)	256.96 / 5.00	2600
LUGIF (IAF)	DRIBS (NOPT) (FB)	076.82 / 5.00	2600
DRIBS (IF/IAF)	AWIRU (FB)	346.89 / 6.22	2300
AWIRU (FAF)	FILLS/2.00 NM TO RW35 (FB)	346.87 / 2.78	1400
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV: RW35

CLIMB TO 2600 DIRECT HOTTS AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 166.81 INBOUND.
CHART FAS OBST: 870 TOWER 403833N/0911953W
AWIRU TO RW35: 3.04/45.
CHART HOWARD WEST MOA.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S DRIBS, RT, 346.89 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 346.87 FAF: AWIRU DIST FAF TO MAP: 4.78 THLD: 4.78
4. MIN. ALT: DRIBS 2600, AWIRU 2300, FILLS/2.00 NM TO RW35 1400
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 2500

MAG VAR: 0W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | LNAV: 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	1180	1	460	1180	1	460	1180	1 1/4	460	1180	1 1/2	460			
CIRCLING	1180	1	456	1180	1	456	1180	1 1/2	456	1280	2	556			

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 BURLINGTON ALTIMETER SETTING; INCREASE (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE

CITY AND STATE	ELEVATION: 724 TDZE: 720 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FORT MADISON, IA	FORT MADISON MUNI	RNAV	RNAV (GPS) RWY 35, ORIG 23 SEP 2010	AMDT: NONE DATED

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FILLS/2.00 NM TO RW35	RW35 (MAP) (FO)	346.86 / 2.00	
RW35 (MAP)	1124 MSL	346.86	
1124 MSL	HOTTS (FO)		2600

NOTES, (CONT.):
ALL MDA 40 FEET.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BRL VORTAC AIRWAY RADIALS 161 CW 192.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 724 TDZE: 720	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FORT MADISON, IA	AIRPORT NAME: FORT MADISON MUNI	RNAV	RNAV (GPS) RWY 35, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAD        BRL    K3011140VTLA N40432425W090553320     N40432425W090553320E0050007301     NARBURLINGTON                 I

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   AWIRU K50    W     N40343432W091180843                    W0003     NAR           AWIRU                     I
       SUSAEAENRT   DRIBS K50    W     N40283037W091161722                    W0003     NAR           DRIBS                     I
       SUSAEAENRT   FILLS K50    W     N40371661W091185813                    W0003     NAR           FILLS                     I
       SUSAEAENRT   HOTTS K30    W     N40503510W091230363                    W0003     NAR           HOTTS                     I
       SUSAEAENRT   LOAMY K30    C   B N40252831W091470384                    E0001     NAR           LOAMY                     I
       SUSAEAENRT   LUGIF K50    W     N40272210W091223998                    W0002     NAR           LUGIF                     I
       SUSAEAENRT   ZONOL K50    W     N40293829W091095424                    W0004     NAR           ZONOL                     I

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KFSWK3AFSW     0     040YHN40393335W091193684W000000724         1800018000C    MNAR    FORT MADISON MUNI             I

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KFSWK3FR35   ABRL   010BRL  K3D 0V       IF                                          18000                B JS   I
       SUSAP KFSWK3FR35   ABRL   020ZONOLK5EA0E  A 020TF                  21850176    + 02600                          B JS   I
       SUSAP KFSWK3FR35   ABRL   030DRIBSK5EA0EE B 010TF                  25700050    + 02600                          B JS   I
       SUSAP KFSWK3FR35   ADRIBS 010DRIBSK5EA0EE AR   HF                34690040    + 02600     18000                B JS   I
       SUSAP KFSWK3FR35   ALOAMY 010LOAMYK3EA0E       IF                                      18000                B JS   I
       SUSAP KFSWK3FR35   ALOAMY 020LUGIFK5EA0E  A 020TF                  08410187    + 02600                          B JS   I
       SUSAP KFSWK3FR35   ALOAMY 030DRIBSK5EA0EE B 010TF                  07680050    + 02600                          B JS   I
       SUSAP KFSWK3FR35   R       010DRIBSK5EA0E  I    IF                             + 02600     18000                B JS   I
       SUSAP KFSWK3FR35   R       020AWIRUK5EA1E  F 051TF                34690062    + 02300                RW35  K3PGB JS   I
       SUSAP KFSWK3FR35   R       020AWIRUK5EA2WN          N       ALNAV                                                JS   I
       SUSAP KFSWK3FR35   R       021FILLSK5EA0E S  031TF                 34690028    V 0140001408        -304          B JS   I
       SUSAP KFSWK3FR35   R       030RW35 K3PG0GY M 031TF                 34690020      00759             -304          B JS   I
       SUSAP KFSWK3FR35   R       040         0  M  010CA                 3469        + 01124                          B JS   I
       SUSAP KFSWK3FR35   R       050HOTTSK3EA0EY   010DF                            + 02600                          B JS   I
       SUSAP KFSWK3FR35   R       060HOTTSK3EA0EE  R020HM                 16680040    + 02600                          B JS   I
```



CITY AND STATE	ELEVATION: 724 TDZE: 720	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FORT MADISON, IA	AIRPORT NAME: **FORT MADISON MUNI**	**RNAV**	**RNAV (GPS) RWY 35, ORIG** 23 SEP 2010	AMDT: **NONE** DATED:

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KFSWK3GRW35     0040023469 N40391354W091193398+0000     +01844007140000045075R                                  I

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KFSWK3SRW35 K3PG               0   18018002525                                                             M   I
```

CITY AND STATE	ELEVATION: 724 TDZE: 720 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FORT MADISON, IA	**FORT MADISON MUNI**	**RNAV**	**RNAV (GPS) RWY 35, ORIG** 23 SEP 2010	AMDT: **NONE** DATED:

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. 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 - STANDARD.

RWY 35 - STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, TREES BEGINNING AT DER, 349' RIGHT OF CENTERLINE, UP TO 125' AGL/844' MSL. TREES BEGINNING AT DER, 164' LEFT OF CENTERLINE, UP TO 125' AGL/844' MSL.

NOTE: RWY 35, TREES BEGINNING 659' FROM DER, 304' LEFT OF CENTERLINE, UP TO 125' AGL/824' MSL. TREES BEGINNING 3107' FROM DER, 1184' RIGHT OF CENTERLINE, UP TO 125' AGL/814' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY 2 CHECKED

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
FORT MADISON, IA	FORT MADISON MUNI	23 SEP 2010	ORIG

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BRL VORTAC (IF/IAF)	AWJUB/BRL 14.00 DME	253.26 / 14.00	2300

MISSED APPROACH

MAP: MAHIW/BRL 18.46 DME FIX

CLIMB TO 2300 THEN CLIMBING RIGHT TURN TO 2600 DIRECT BRL VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 969 TOWER 403922N/0911631W
FAC CROSSES MID POINT OF RWY 17-35.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E BRL VORTAC, RT, 253.26 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC 253.26 FAF AWJUB/BRL 14.00 DME DIST FAF TO MAP ____ THLD ____
4. MIN. ALT BRL VORTAC 2600, AWJUB 2300
8. MSA FROM: BRL VORTAC 3100

MAG VAR: 5E 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
CIRCLING	1220	1	496	1220	1	496	1220	1 1/2	496	1280	2	556			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURLINGTON ALTIMETER SETTING; INCREASE ALL MDA 40 FEET.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON BRL VORTAC AIRWAY RADIALS 322 CW 192.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 724 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP / AMDT / DATE
FORT MADISON, IA	FORT MADISON MUNI	BRL	VOR/DME-A, AMDT 7 23 SEP 2010	SUP VOR/DME OR GPS-A AMDT 6B DATE 1/15/2010

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

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

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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 23 SEP 2010

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 724 TDZE: 713	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
FORT MADISON, IA	AIRPORT NAME: **FORT MADISON MUNI**	**BRL**	**VOR/DME RNAV OR GPS RWY 16, AMDT 4A 7/23/96**	AMDT **4**
				DATE **12/8/94**

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS OR VOR/DME RNAV 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

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 724 TDZE: 720	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
FORT MADISON, IA	AIRPORT NAME: **FORT MADISON MUNI**	**BRL**	**VOR/DME RNAV OR GPS RWY 34, AMDT 4A 7/23/96**	AMDT **4**
				DATE **12/8/94**

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

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 18, 36, NA-ENVIRONMENTAL
RWY 14, STANDARD
RWY 32, 500-2 OR STANDARD WITH MINIMUM CLIMB OF 430 FT PER NM TO 1700.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 14, FENCE 167' FROM DER, 253' LEFT OF CENTERLINE, 8' AGL/1048' MSL. VEHICLE ON ROAD 755' FROM DER, 461' RIGHT OF CENTERLINE, UP TO 15' AGL/1074' MSL. NOTE: RWY 32, RISING TERRAIN BEGINNING 16' FROM DER, 326' LEFT OF CENTERLINE, UP TO 1049' MSL. TREES BEGINNING 95' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 77' AGL/1127' MSL. VEHICLE ON ROAD BEGINNING 294' FROM DER, 59' RIGHT OF CENTERLINE, UP TO 15' AGL/1059' MSL. ANTENNA 968' FROM DER, 706' LEFT OF CENTERLINE, 58' AGL/1108' MSL. GRAIN ELEVATOR 8342' FROM DER, 1729' LEFT OF CENTERLINE, 280' AGL/1429' MSL.

(4) CONTROLLING OBSTACLES:

RWY 32, 1429 MSL GRAIN ELEVATOR 420145.00N-0942214.00W



(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
JEFFERSON, IA	JEFFERSON MUNI	23 SEP 2010	3

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 12L, 12R, 23, 30R, STANDARD.
RWY 5, 200 - 1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 343 FT PER NM TO 700.
RWY 30L, 400 - 2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2100 FT PRIOR TO DER.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 5 - CLIMB ON HEADING 046.96 TO 900 BEFORE TURNING LEFT.
RWY 12L, 12R - CLIMB ON HEADING 122.20 TO 1000 BEFORE TURNING LEFT.
RWY 23 - CLIMB ON HEADING 226.97 TO 2000 BEFORE TURNING.
RWY 30L, 30R - CLIMB ON HEADING 302.21 TO 1600 BEFORE TURNING.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5, OL ON TRANSMISSION TOWER 1649 FT FROM DER, 19 FT LEFT OF CENTERLINE, 79 FT AGL/482 FT MSL. TRANSMISSION TOWER 324 FT FROM DER, 79 FT RIGHT OF CENTERLINE, 78 FT AGL/487 FT MSL.
NOTE: RWY 12L, TREE 1629 FT FROM DER, 144 FT LEFT OF CENTERLINE, 45 FT AGL/453 FT MSL.
NOTE: RWY 12R, TREE 3822 FT FROM DER, 20 FT LEFT OF CENTERLINE, 94 FT AGL/509 FT MSL. TREE 2082 FT FROM DER, 927 FT RIGHT OF CENTERLINE, 69 FT AGL/486 FT MSL.
NOTE: RWY 23, MULTIPLE TREES BEGINNING 815 FT FROM DER, 69 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/470 FT MSL. MULTIPLE TREES BEGINNING 740 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 78 FT AGL/492 FT MSL.
NOTE: RWY 30L: MULTIPLE TREES BEGINNING 2510 FT FROM DER, 503 FT LEFT OF CENTERLINE, UP TO 107 FT AGL/521 FT MSL. MULTIPLE TREES BEGINNING 737 FT FROM DER, 32 FT RIGHT OF CENTERLINE, UP TO 99 FT AGL/508 FT MSL

(4) CONTROLLING OBSTACLES:

RWY 5: 573 MSL TOWER 383506.00N/0900843.00W
RWY 12L, 12R: 883 MSL TOWER 383348.00N/0900515.00W
RWY 30L: 772 MSL TOWER 383526.00N/0901221.00W
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 5 – 1075 MSL ARCH 383729.00N/0901108.00W
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 12L, 12R – 883 MSL TOWER 383348.00N/0900515.00W
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 23 – 1649 MSL TOWER 383450.00N/0901945.00W, 1637 MSL TOWER 383147.00N/0901758.00W
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 30L, 30R – 1649 MSL TOWER 383450.00N/0901945.00W

QUALITY CHECKED

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
CAHOKIA/ST. LOUIS, IL	ST. LOUIS DOWNTOWN	23 SEP 2010	8

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

ALTERNATE: N A

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY CHECK 4

CITY AND STATE	ELEVATION: 754 TDZE: 752	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
CHAMPAIGN/URBANA, IL	AIRPORT NAME: **UNIVERSITY OF ILLINOIS-WILLARD**	**GPS**	**GPS RWY 18, ORIG-B, 11/09/2005**	AMDT **NONE**
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY CHECKED

CITY AND STATE	ELEVATION: 754 TDZE: 752 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
CHAMPAIGN/URBANA, IL	**UNIVERSITY OF ILLINOIS-WILLARD**	**GPS**	**GPS RWY 36, ORIG-B, 11/09/2005**	AMDT **NONE**
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CMI VORTAC	BOILL/CMI VORTAC 6.97 DME	314.42 / 6.97	2800
IHQEB INT/CMI VORTAC 13.64 DME (IF)	BOILL/CMI VORTAC 6.97 DME	135.60 / 6.68 (I-CMI)	2700

MISSED APPROACH

MAP: OMDAE/CMI VORTAC 1.57 DME

CLIMB TO 2700 THEN LEFT TURN ON HEADING 010 AND CMI VORTAC R-062 TO OCTOE INT/CMI VORTAC 12.19 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2600 DIRECT VEALS LOM AND HOLD. (ADF REQUIRED).

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 241.59 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE VEALS LOM, RT, 315.64 INBOUND.
CHART FAS OBST: 854 TREE 400324N/0881733W
939 AAO 400759N/0882224W
CHART IN PLANVIEW: VEALS LOM.
CHART ASR
WORNO TO RW14L: 2.86/48

1. PT L SIDE OF COURSE 315.60 OUTBOUND 2800 FT WITHIN 10 MILES OF BOILL (IAF)
2.
3. FAC 135.60 FAF BOILL/CMI VORTAC 6.97 DME DIST FAF TO MAP THLD 6.10
4. MIN. ALT BOILL 2700, WORNO/CMI VORTAC 2.77 DME 1380
8. MSA FROM: CMI VORTAC 3100

MAG VAR: 0E EPOCH YEAR:1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-14L	1120	1	365	1120	1	365	1120	1	365	1120	1 1/4	365			
CIRCLING	1160	1	405	1220	1	465	1220	1 1/2	465	1320	2	565			

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IHQEB ON V191 NORTHEAST BOUND.
CHART NOTE: DISREGARD GLIDESLOPE INDICATIONS.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE RANTOUL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE S-14L CAT C VISIBILITY 1/4 MILE.
CHART NOTE: DME FROM CMI VORTAC. SIMULTANEOUS RECEPTION OF I-CMI AND CMI DME REQUIRED.

@ NA WHEN CONTROL TOWER CLOSED.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 755	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP LOC BC RWY 14L
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	I-CMI	LOC/DME BC RWY 14L, AMDT 8 23 SEP 2010	AMDT 7C
				DATE 10/28/2002

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RBS VOR/DME	ORANJ (FB)	207.54 / 22.50	2800
BLLUE (IAF)	RRRED (NOPT) (FB)	039.97 / 5.56	2800
ORANJ (IAF)	RRRED (NOPT) (FB)	225.53 / 5.00	2800
RRRED (IF/IAF)	GRANJ (FB)	135.48 / 6.14	2700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW14L

CLIMB TO 2600 DIRECT ODEBE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW RRRED, RT, 135.48 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC: 135.54 FAF: GRANJ DIST FAF TO MAP: 5.86 THLD: 5.86
4. MIN. ALT: RRRED 2800, GRANJ 2700, WORNO/1.90 NM TO RW14L 1380*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: GRANJ 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 47.9 34:1 IS CLEAR
8. MSA FROM: RW14L 3100

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 315.73 INBOUND.
CHART FAS OBST: 854 TREE 400324N/0881733W
DISTANCE TO THLD FROM 200 HAT: 0.48 NM.
CHART VDP AT 1.00 MILES TO RW14L*
*LNAV ONLY.
WAAS CHANNEL # 86419
REFERENCE PATH ID: W14A
CHART ASR

MAG VAR: 0E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	955	3/4	200	955	3/4	200	955	3/4	200	955	3/4	200			
LNAV/VNAV DA	1170	1 1/2	415	1170	1 1/2	415	1170	1 1/2	415	1170	1 1/2	415			
LNAV MDA	1120	1	365	1120	1	365	1120	1	365	1120	1 1/4	365			
CIRCLING	1160	1	405	1220	1	465	1220	1 1/2	465	1320	2	565			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RANTOUL ALTIMETER SETTING AND INCREASE ALL DA 41 FEET AND ALL MDA 60 FEET, INCREASE LNAV CAT C VISIBILITY 1/4 MILE.
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 755	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	RNAV	RNAV (GPS) RWY 14L, ORIG 23 SEP 2010	AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES, (CONT.):
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING RANTOUL ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BLLUE ON V191 SOUTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON RBS VOR/DME AIRWAY RADIALS 187 CW 231.

QUALITY 4 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
CHAMPAIGN/URBANA, IL	**ELEVATION: 755** **TDZE: 755** AIRPORT NAME: **UNIVERSITY OF ILLINOIS-WILLARD**	**RNAV**	**RNAV (GPS) RWY 14L, ORIG** 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCMI
RUNWAY	RW14L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	400250.5040N
LTP/FTP LONGITUDE	0881708.6330W
LTP/FTP ELLIPSOIDAL HEIGHT	+01981
FPAP LATITUDE	400146.7800N
FPAP LONGITUDE	0881547.4700W
THRESHOLD CROSSING HEIGHT (TCH)	00047.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0280
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	8CA9164E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02300
FPAP ORTHOMETRIC HEIGHT	+02300

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 755	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	RNAV	RNAV (GPS) RWY 14L, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        RBS   K5011680VDL  N40345413W088095136    N40345413W088095136E0020007801     NARROBERTS

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   BLLUE K50    C   L N40070920W088324548                    W0024    NAR           BLLUE
          SUSAEAENRT   GRANJ K50    W     N40070189W088222943                    W0026    NAR           GRANJ
          SUSAEAENRT   ODEBE K50    W     N39531787W088050142                    W0028    NAR           ODEBE
          SUSAEAENRT   ORANJ K50    W     N40145520W088232662                    W0026    NAR           ORANJ
          SUSAEAENRT   RRRED K50    W     N40112479W088280598                    W0025    NAR           RRRED
          SUSAEAENRT   WORNO K50    C     N40041200W088185253                    W0026    NAR           WORNO

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCMIK5ACMI     0     081YHN40021980W088164010E000000755         1800018000C    MNAR    UNIVERSITY OF ILLINOIS-WILLARD

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCMIK5FR14L  ABLLUE 010BLLUEK5EA0E  A    IF                                                18000              A JS
          SUSAP KCMIK5FR14L  ABLLUE 020RRREDK5EA0EE B 010TF                    04000056    + 02800                          A JS
          SUSAP KCMIK5FR14L  ARBS   010RBS  K5D 0V       IF                                                18000              A JS
          SUSAP KCMIK5FR14L  ARBS   020ORANJK5EA0E  A 020TF                    20750225    + 02800                          A JS
          SUSAP KCMIK5FR14L  ARBS   030RRREDK5EA0EE B 010TF                    22550050    + 02800                          A JS
          SUSAP KCMIK5FR14L  ARRRED 010RRREDK5EA0EE AR   HF                    13550040    + 02800    18000                 A JS
          SUSAP KCMIK5FR14L  R      010RRREDK5EA0E  I    IF                                + 02800    18000                 A JS
          SUSAP KCMIK5FR14L  R      020GRANJK5EA1E  F 051TF                    13550061    + 02700                RW14L K5PGA JS
          SUSAP KCMIK5FR14L  R      020GRANJK5EA2WALPV       ALNAV/VNAV ALNAV                                                 JS
          SUSAP KCMIK5FR14L  R      021WORNOK5EA0E S  031TF                    13550040    V 0138001411       -300          A JS
          SUSAP KCMIK5FR14L  R      030RW14LK5PG0GY M 031TF                    13550019      00803            -300          A JS
          SUSAP KCMIK5FR14L  R      040         0  M  010CA                    1355        + 00955                          A JS
          SUSAP KCMIK5FR14L  R      050ODEBEK5EA0EY   010DF                                + 02600                          A JS
          SUSAP KCMIK5FR14L  R      060ODEBEK5EA0EE  R020HM                    31570040    + 02600                          A JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 755	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	RNAV	RNAV (GPS) RWY 14L, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KCMIK5GRW14L   0081021356 N40025050W088170863-0100     +0198100755000048150R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KCMIK5PR14L  RW14L001 0000W14A0N4002505040W08817086330+019810300N4001467800W088154747001067502800004 79F4003508CA9164E
       SUSAP KCMIK5PR14L  RW14L002E      +02300+02300LPV       86419

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KCMIK5SRW14LK5PG               0   18018003125                                                              M
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US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LODGE	JUPRO (FB)	048.77 / 8.10	2800
OCTOE	ZONAX (FB)	316.55 / 9.30	2500
JUPRO (IAF)	USAVY (NOPT) (FB)	089.33 / 5.00	2400
ZONAX (IAF)	USAVY (NOPT) (FB)	269.47 / 5.00	2400
LUDLO (IAF)	USAVY (NOPT) (FB)	201.80 / 10.00	2400
USAVY (IF/IAF)	OGEMY (FB)	179.40 / 6.20	2400

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

CLIMB TO 2400 DIRECT UBAGE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N USAVY, RT, 179.40 INBOUND, 2400 FT. IN LIEU OF PT (IAF)
3. FAC: 179.40 FAF: OGEMY DIST FAF TO MAP: 4.96 THLD: 4.96
4. MIN. ALT: USAVY 2400, OGEMY 2400, YETUN/1.70 NM TO RW18 1320*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2400 GS ALT AT: OGEMY 2400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR
8. MSA FROM: RW18 3100

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 359.40 INBOUND.
CHART FAS OBST: 854 TREE 400324N/0881733W
CHART FAS OBST: 908 TOWER 400429N/0881636W
CHART 1200 TOWER 40073N/0881726W
DISTANCE TO THLD FROM 200 HAT: 0.49 NM.
CHART VDP AT 1.14 MILES TO RW18*
*LNAV ONLY.
WAAS CHANNEL # 45919
REFERENCE PATH ID: W18A
CHART ASR

MAG VAR: 0E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	953	3/4	200	953	3/4	200	953	3/4	200	953	3/4	200			
LNAV/VNAV DA	1145	1 1/2	392	1145	1 1/2	392	1145	1 1/2	392	1145	1 1/2	392			
LNAV MDA	1160	1	407	1160	1	407	1160	1 1/4	407	1160	1 1/4	407			
CIRCLING	1160	1	405	1220	1	465	1220	1 1/2	465	1320	2	565			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RANTOUL ALTIMETER SETTING AND INCREASE ALL DA 41 FEET AND ALL MDA 60 FEET, INCREASE LNAV CAT D VISIBILITY 1/4 MILE.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING RANTOUL ALTIMETER SETTING.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 753	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	RNAV	RNAV (GPS) RWY 18, ORIG 23 SEP 2010	AMDT: NONE DATED

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCMI
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	400249.4470N
LTP/FTP LONGITUDE	0881656.2740W
LTP/FTP ELLIPSOIDAL HEIGHT	+01974
FPAP LATITUDE	400120.2900N
FPAP LONGITUDE	0881655.0600W
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	1136
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	CA80E264

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02294
FPAP ORTHOMETRIC HEIGHT	+02294

QUALITY CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 753	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	RNAV	RNAV (GPS) RWY 18, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   JUPRO K50    W      N40135618W088233712                    W0026     NAR           JUPRO
          SUSAEAENRT   LODGE K50    C    L N40083576W088313460                    W0024     NAR           LODGE
          SUSAEAENRT   LUDLO K50    C    L N40231724W088121449                    W0028     NAR           LUDLO
          SUSAEAENRT   OCTOE K50    R    L N40071743W088021271                    W0028     NAR           OCTOE
          SUSAEAENRT   OGEMY K50    W      N40074746W088170034                    W0026     NAR           OGEMY
          SUSAEAENRT   UBAGE K50    W      N39504577W088164644                    W0026     NAR           UBAGE
          SUSAEAENRT   USAVY K50    W      N40135951W088170543                    W0027     NAR           USAVY
          SUSAEAENRT   YETUN K50    W      N40043152W088165766                    W0026     NAR           YETUN
          SUSAEAENRT   ZONAX K50    W      N40140247W088103373                    W0027     NAR           ZONAX

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCMIK5ACMI     0     081YHN40021980W088164010E000000755          1800018000C    MNAR    UNIVERSITY OF ILLINOIS-WILLARD

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCMIK5FR18   ALODGE 010LODGEK5EA0E       IF                                          18000                A JS
          SUSAP KCMIK5FR18   ALODGE 020JUPROK5EA0E  A 020TF                    04880081    + 02800                      A JS
          SUSAP KCMIK5FR18   ALODGE 030USAVYK5EA0EE B 010TF                    08930050    + 02400                      A JS
          SUSAP KCMIK5FR18   ALUDLO 010LUDLOK5EA0E  A    IF                                          18000                A JS
          SUSAP KCMIK5FR18   ALUDLO 020USAVYK5EA0EE B 010TF                    20180100    + 02400                      A JS
          SUSAP KCMIK5FR18   AOCTOE 010OCTOEK5EA0E       IF                                          18000                A JS
          SUSAP KCMIK5FR18   AOCTOE 020ZONAXK5EA0E  A 020TF                    31660093    + 02500                      A JS
          SUSAP KCMIK5FR18   AOCTOE 030USAVYK5EA0EE B 010TF                    26950050    + 02400                      A JS
          SUSAP KCMIK5FR18   AUSAVY 010USAVYK5EA0EE AR   HF                    17940040    + 02400     18000            A JS
          SUSAP KCMIK5FR18   R       010USAVYK5EA0E  I    IF                                + 02400     18000            A JS
          SUSAP KCMIK5FR18   R       020OGEMYK5EA1E  F 051TF                    17940062    + 02400                RW18  K5PGA JS
          SUSAP KCMIK5FR18   R       020OGEMYK5EA2WALPV       ALNAV/VNAV ALNAV                                           JS
          SUSAP KCMIK5FR18   R       021YETUNK5EA0E S  031TF                    17940033    V 0132001342       -300      A JS
          SUSAP KCMIK5FR18   R       030RW18 K5PGOGY M 031TF                    17940017      00798            -300      A JS
          SUSAP KCMIK5FR18   R       040         0  M  010CA                    1794        + 00953                      A JS
          SUSAP KCMIK5FR18   R       050UBAGEK5EA0EY   010DF                                + 02400                      A JS
          SUSAP KCMIK5FR18   R       060UBAGEK5EA0EE  R020HM                    35940040    + 02400                      A JS
```

QUALITY 4

CITY AND STATE	ELEVATION: 755 TDZE: 753	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	RNAV	RNAV (GPS) RWY 18, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMIK5GRW18    0053021794 N40024945W088165627-0100    +0197400753000045150R

            1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMIK5PR18    RW18 001 0000W18A0N4002494470W08816562740+019740300N4001202900W088165506001067511360000450F400350CA80E264
        SUSAP KCMIK5PR18    RW18 002E      +02294+02294LPV       45919

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMIK5SRW18 K5PG              0   18018003125                                                                M
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QUAL

CITY AND STATE	ELEVATION: 755 TDZE: 753	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 18, ORIG	AMDT: NONE
	UNIVERSITY OF ILLINOIS-WILLARD		23 SEP 2010	DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RBS VOR/DME (IAF)	MUGTE (NOPT) (FB)	174.36 / 23.99	2800
DNV VORTAC (IAF)	MUGTE (NOPT) (FB)	255.66 / 26.38	2800
MUGTE (IF/IAF)	ZUPKE (FB)	221.17 / 6.01	2400

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW22

CLIMB TO 2300 DIRECT BOSTN AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE MUGTE, RT, 221.17 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC: 221.12 FAF: ZUPKE DIST FAF TO MAP: 4.99 THLD: 4.99
4. MIN. ALT: MUGTE 2800, ZUPKE 2400, JESDI/2.10 NM TO RW22 1460*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2400 GS ALT AT: ZUPKE 2400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 42.5 34:1 IS NOT CLEAR
8. MSA FROM: RW22 3100

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 040.96 INBOUND.
CHART FAS OBST: 852 TREE 400341N/0881555W
CHART FAS OBST: 845 ELEVATOR 400318N/0881502W
CHART 1146 TOWER 400504N/0881453W.
DISTANCE TO THLD FROM 250 HAT: 0.66 NM.
CHART VDP AT 1.04 MILES TO RW22*
WAAS CHANNEL # 97619
REFERENCE PATH ID: W22A
CHART ASR

MAG VAR: 0E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1000	1	250	1000	1	250	1000	1	250	1000	1	250			
LNAV/VNAV DA	1219	1 3/4	469	1219	1 3/4	469	1219	1 3/4	469	1219	1 3/4	469			
LNAV MDA	1120	1	370	1120	1	370	1120	1	370	1120	1 1/4	370			
CIRCLING	1160	1	405	1220	1	465	1220	1 1/2	465	1320	2	565			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
*LNAV ONLY
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 750 AIRPORT NAME:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	UNIVERSITY OF ILLINOIS-WILLARD		RNAV (GPS) RWY 22, AMDT 1 23 SEP 2010	AMDT: ORIG DATED 12/22/2005

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

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RANTOUL ALTIMETER SETTING AND INCREASE ALL DA 41 FEET.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING RANTOUL ALTIMETER SETTING.
CHART NOTE: LNAV AND CIRCLING MINIMUMS NA WITH RANTOUL ALTIMETER SETTING.
CHART NOTE: PROCEDURE NA FOR ARRIVALS ON RBS VOR/DME AIRWAY RADIALS 187 CW 231.
CHART NOTE: PROCEDURE NA FOR ARRIVALS AT DNV VORTAC ON V251 NORTHEAST BOUND.

CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 750	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	RNAV	RNAV (GPS) RWY 22, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 12/22/2005

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCMI
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	400242.9980N
LTP/FTP LONGITUDE	0881612.5520W
LTP/FTP ELLIPSOIDAL HEIGHT	+01953
FPAP LATITUDE	400135.7700N
FPAP LONGITUDE	0881728.7500W
THRESHOLD CROSSING HEIGHT (TCH)	00042.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	D1078A30

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02273
FPAP ORTHOMETRIC HEIGHT	+02273

QUALITY CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 750	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	RNAV	RNAV (GPS) RWY 22, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 12/22/2005

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAD        DNV   K5011100VTL  N40173763W087332587    N40173763W087332587E0020007001     NARDANVILLE
       SUSAD        RBS   K5011680VDL  N40345413W088095136    N40345413W088095136E0020007801     NARROBERTS

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   BOSTN K50    W     N39534657W088261896                    W0025     NAR          BOSTN
       SUSAEAENRT   JESDI K50    W     N40041805W088142472                    W0027     NAR          JESDI
       SUSAEAENRT   MUGTE K50    W     N40110058W088064678                    W0028     NAR          MUGTE
       SUSAEAENRT   ZUPKE K50    W     N40062889W088115610                    W0027     NAR          ZUPKE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCMIK5ACMI     0     081YHN40021980W088164010E000000755         1800018000C    MNAR    UNIVERSITY OF ILLINOIS-WILLARD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCMIK5FR22   ADNV   010DNV  K5D 0V  A    IF                                                  18000                A JS
       SUSAP KCMIK5FR22   ADNV   020MUGTEK5EA0EE B 010TF                    25570264    + 02800                                 A JS
       SUSAP KCMIK5FR22   AMUGTE 010MUGTEK5EA0EE AR   HF                  22120040    + 02800     18000                       A JS
       SUSAP KCMIK5FR22   ARBS   010RBS  K5D 0V  A    IF                                          18000                       A JS
       SUSAP KCMIK5FR22   ARBS   020MUGTEK5EA0EE B 010TF                    17440240    + 02800                                 A JS
       SUSAP KCMIK5FR22   R      010MUGTEK5EA0E  I    IF                                + 02800     18000                       A JS
       SUSAP KCMIK5FR22   R      020ZUPKEK5EA1E  F 051TF                    22120060    + 02400                 RW22  K5PGA JS
       SUSAP KCMIK5FR22   R      020ZUPKEK5EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
       SUSAP KCMIK5FR22   R      021JESDIK5EA0E S  031TF                    22110029    V 0146001461        -300            A JS
       SUSAP KCMIK5FR22   R      030RW22 K5PG0GY M 031TF                    22110021      00788             -300            A JS
       SUSAP KCMIK5FR22   R      040         0  M  010CA                    2211        + 01000                             A JS
       SUSAP KCMIK5FR22   R      050BOSTNK5EA0EY   010DF                                + 02300                             A JS
       SUSAP KCMIK5FR22   R      060BOSTNK5EA0EE  R020HM                    04100040    + 02300                             A JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 750	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	RNAV	RNAV (GPS) RWY 22, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 12/22/2005

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

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMIK5GRW22     0065012211 N40024300W088161255+0100     +0195300746000043150R

            1         2         3         4         5         6         7         8         9         0         1         2         3
PP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMIK5PR22    RW22 001 0000W22A0N4002429980W08816125520+019530300N4001357700W088172875001067507680000425F400500D1078A30
        SUSAP KCMIK5PR22    RW22 002E       +02273+02273LPV        97619

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMIK5SRW22 K5PG                0   18018003125                                                                        M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 750	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 22, AMDT 1	AMDT: ORIG
	UNIVERSITY OF ILLINOIS-WILLARD		23 SEP 2010	DATED: 12/22/2005

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
NEWMY	OLVUC (FB)	266.75 / 10.77	2400
BEMEN	JEVSA (FB)	132.75 / 6.83	2400
OLVUC (IAF)	UBAGE (NOPT) (FB)	269.47 / 5.00	2400
JEVSA (IAF)	UBAGE (NOPT) (FB)	089.33 / 5.00	2400
ARCOL (IAF)	UBAGE (NOPT) (FB)	000.77 / 11.66	2400
UBAGE (IF/IAF)	YOFIT (FB)	359.40 / 6.20	2400

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

CLIMB TO 2400 DIRECT USAVY AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S UBAGE, RT, 359.40 INBOUND, 2400 FT. IN LIEU OF PT (IAF)
3. FAC: 359.40 FAF: YOFIT DIST FAF TO MAP: 4.98 THLD: 4.98
4. MIN. ALT: UBAGE 2400, YOFIT 2400, NIMGE/1.50 NM TO RW36 1260*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2400 GS ALT AT: YOFIT 2400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 41.8 34:1 IS CLEAR
8. MSA FROM: RW36 3100

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 179.40 INBOUND.
CHART FAS OBST: 849 TREE 400155N/0881649W
CHART 939 AAO 395839N/0881618W.
DISTANCE TO THLD FROM 270 HAT: 0.72 NM.
CHART VDP AT 0.97 MILES TO RW36*
*LNAV ONLY.
WAAS CHANNEL # 77919
REFERENCE PATH ID: W36A
CHART ASR

MAG VAR: 0E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1022	1	270	1022	1	270	1022	1	270	1022	1	270			
LNAV/VNAV DA	1119	1 1/4	367	1119	1 1/4	367	1119	1 1/4	367	1119	1 1/4	367			
LNAV MDA	1100	1	348	1100	1	348	1100	1	348	1100	1 1/4	348			
CIRCLING	1160	1	405	1220	1	465	1220	1 1/2	465	1320	2	565			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RANTOUL ALTIMETER SETTING AND INCREASE ALL DA 41 FEET AND ALL MDA 60 FEET, INCREASE LNAV/VNAV VISIBILITY ALL CATS AND LNAV CAT C
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 752 AIRPORT NAME:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	UNIVERSITY OF ILLINOIS-WILLARD		RNAV (GPS) RWY 36, ORIG 23 SEP 2010	AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES, (CONT.):
VISIBILITY 1/4 MILE.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING RANTOUL ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT NEWMY ON V192 SOUTHEAST BOUND, AND FOR ARRIVAL AT ARCOL ON V429 SOUTHBOUND.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 752	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	RNAV	RNAV (GPS) RWY 36, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCMI
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	400157.0595N
LTP/FTP LONGITUDE	0881655.5610W
LTP/FTP ELLIPSOIDAL HEIGHT	+01964
FPAP LATITUDE	400326.2200N
FPAP LONGITUDE	0881656.7800W
THRESHOLD CROSSING HEIGHT (TCH)	00041.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1136
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	93A87DC7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02284
FPAP ORTHOMETRIC HEIGHT	+02284

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 752	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	RNAV	RNAV (GPS) RWY 36, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ARCOL K50    C   L N39390583W088165871                    W0026     NAR           ARCOL
        SUSAEAENRT   BEMEN K50    C   L N39552092W088294647                    W0024     NAR           BEMEN
        SUSAEAENRT   JEVSA K50    W     N39504244W088231592                    W0025     NAR           JEVSA
        SUSAEAENRT   NEWMY K50    C   L N39512622W087561921                    W0029     NAR           NEWMY
        SUSAEAENRT   NIMGE K50    W     N40002700W088165433                    W0026     NAR           NIMGE
        SUSAEAENRT   OLVUC K50    W     N39504873W088101695                    W0027     NAR           OLVUC
        SUSAEAENRT   UBAGE K50    W     N39504577W088164644                    W0026     NAR           UBAGE
        SUSAEAENRT   USAVY K50    W     N40135951W088170543                    W0027     NAR           USAVY
        SUSAEAENRT   YOFIT K50    W     N39565787W088165149                    W0026     NAR           YOFIT

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMIK5ACMI     0     081YHN40021980W088164010E000000755         1800018000C    MNAR    UNIVERSITY OF ILLINOIS-WILLARD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMIK5FR36   AARCOL 010ARCOLK5EA0E  A    IF                                          18000                A JS
        SUSAP KCMIK5FR36   AARCOL 020UBAGEK5EA0EE B 010TF                   00080117    + 02400                       A JS
        SUSAP KCMIK5FR36   ABEMEN 010BEMENK5EA0E       IF                                          18000                A JS
        SUSAP KCMIK5FR36   ABEMEN 020JEVSAK5EA0E  A 020TF                   13280068    + 02400                       A JS
        SUSAP KCMIK5FR36   ABEMEN 030UBAGEK5EA0EE B 010TF                   08930050    + 02400                       A JS
        SUSAP KCMIK5FR36   ANEWMY 010NEWMYK5EA0E       IF                                          18000                A JS
        SUSAP KCMIK5FR36   ANEWMY 020OLVUCK5EA0E  A 020TF                   26680108    + 02400                       A JS
        SUSAP KCMIK5FR36   ANEWMY 030UBAGEK5EA0EE B 010TF                   26950050    + 02400                       A JS
        SUSAP KCMIK5FR36   AUBAGE 010UBAGEK5EA0EE AR   HF                   35940040    + 02400     18000             A JS
        SUSAP KCMIK5FR36   R       010UBAGEK5EA0E  I    IF                              + 02400     18000             A JS
        SUSAP KCMIK5FR36   R       020YOFITK5EA1E  F 051TF                   35940062    + 02400                RW36  K5PGA JS
        SUSAP KCMIK5FR36   R       020YOFITK5EA2WALPV       ALNAV/VNAV ALNAV                                          JS
        SUSAP KCMIK5FR36   R       021NIMGEK5EA0E S  031TF                   35940035    V 0126001271       -300           A JS
        SUSAP KCMIK5FR36   R       030RW36 K5PG0GY M 031TF                   35940015      00791            -300           A JS
        SUSAP KCMIK5FR36   R       040          0  M  010CA                  3594        + 01022                       A JS
        SUSAP KCMIK5FR36   R       050USAVYK5EA0EY   010DF                             + 02400                       A JS
        SUSAP KCMIK5FR36   R       060USAVYK5EA0EE  R020HM                   17940040    + 02400                       A JS
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 752	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	RNAV	RNAV (GPS) RWY 36, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KCMIK5GRW36    0053023594 N40015706W088165556+0100    +0196400749000042150R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KCMIK5PR36    RW36 001 0000W36A0N4001570595W08816555610+019640300N4003262200W088165678001067511360004l8F40050093A87DC7
       SUSAP KCMIK5PR36    RW36 002E      +02284+02284LPV       77919

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KCMIK5SRW36 K5PG              0   18018003125                                                              M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 752	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	RNAV	RNAV (GPS) RWY 36, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CMI VORTAC	HITVU/6.84 DME	321.80 / 6.84	2800

MISSED APPROACH

MAP: JOXIV/CMI 0.89 DME

CLIMB TO 2700 THEN LEFT TURN HEADING 020 AND CMI R-062 TO OCTOE INT/12.19 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 241.59 INBOUND.
CHART FAS OBST: 859 TREE 400415N/0881730W
CHART: ASR.
CHART VDP AT 1.87 DME;
DISTANCE VDP TO THLD 0.99 MILES.
*LOC ONLY.
HITVU TO RWY 14L: 3.00/51.
FAC CROSSES RWY C/L EXTENDED 3025 FROM THLD.

1. PT L SIDE OF COURSE 321.80 OUTBOUND 2800 FT WITHIN 10 MILES OF HITVU (IAF)
2.
3. FAC 141.80 FAF HITVU/6.84 DME DIST FAF TO MAP THLD 5.95
4. MIN. ALT HITVU 2700, CUDLA/2.49 DME 1300
8. MSA FROM: CMI VORTAC 3100

MAG VAR: 3E EPOCH YEAR:1965

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-14L	1120	1	365	1120	1	365	1120	1	365	1120	1 1/4	365			
CIRCLING	1160	1	405	1220	1	465	1220	1 1/2	465	1320	2	565			

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RANTOUL NATL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE CAT C VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING RANTOUL NATL ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 755 TDZE: 755	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
CHAMPAIGN/URBANA, IL	AIRPORT NAME: UNIVERSITY OF ILLINOIS-WILLARD	CMI	VOR/DME RWY 14L, ORIG-A 23 SEP 2010	AMDT ORIG
				DATE 07/31/2008

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

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MWA VOR/DME	**HSB NDB**	**077.05 / 22.45**	**2200**

MISSED APPROACH

MAP: HSB NDB

CLIMB TO 2200 THEN RIGHT TURN DIRECT TO HSB NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 228.86 INBOUND.
FAS OBST: 689 AAO 374936N/0882824W
FAC CROSSES RWY C/L EXTENDED 3004 FROM THLD.

1. PT **L** SIDE OF COURSE **048.86** OUTBOUND **2200** FT WITHIN **10** MILES OF **HSB NDB** (IAF)
2.
3. FAC **228.86** FAF DIST FAF TO MAP . THLD
4. MIN. ALT
8. MSA FROM: **HSB NDB 110-250 2700, 250-110 2100**

MAG VAR: **0E** 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-24	**1040**	**1**	**644**	**1040**	**1**	**644**	**1040**	**1 3/4**	**644**	**1040**	**2**	**644**			
CIRCLING	**1040**	**1**	**642**	**1040**	**1**	**642**	**1040**	**1 3/4**	**642**	**1040**	**2**	**642**			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLIAMSON COUNTY RGNL ALTIMETER SETTING AND INCREASE ALL MDA 80 FT; INCREASE S-24 CAT C AND D VISIBILITY AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
HARRISBURG, IL	**ELEVATION: 398 TDZE: 396** AIRPORT NAME: **HARRISBURG-RALEIGH**	**HSB**	**NDB RWY 24, AMDT 11** 23 SEP 2010	SUP AMDT **10A** DATE **01/30/1997**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
VINUC (IAF)	JATUS (NOPT) (FB)	152.93 / 5.00	2700
FEBIB (IAF)	JATUS (NOPT) (FB)	332.99 / 5.00	2700
JATUS (IF/IAF)	LUSIY (FB)	062.96 / 6.10	2100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW06

CLIMB TO 2000 DIRECT JIVSO AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 243.23 INBOUND.
CHART FAS OBST: 519 TREE 374841N/0883456W
CHART FAS OBST: 559 TREE 374712N/0883504W
DISTANCE TO THLD FROM 288 HAT: 0.82 NM.
CHART VDP AT 1.25 MILES TO RW06* *LNAV ONLY.
WAAS CHANNEL # 63119
REFERENCE PATH ID: W06A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW JATUS, RT, 062.96 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
3. FAC: 063.03 FAF: LUSIY DIST FAF TO MAP: 5.20 THLD: 5.20
4. MIN. ALT: JATUS 2700, LUSIY 2100, CIKAB/1.90 NM TO RW06 1020*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2100 GS ALT AT: LUSIY 2100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 35.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 0E 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	682	1	288	682	1	288	682	1	288	682	1	288			
LNAV/VNAV DA	958	2	564	958	2	564	958	2	564	958	2	564			
LNAV MDA	820	1	426	820	1	426	820	1 1/4	426	820	1 1/4	426			
CIRCLING	880	1	482	1020	1	622	1020	1 3/4	622	1020	2	622			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING WILLIAMSON COUNTY RGNL 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

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 398 TDZE: 394	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HARRISBURG, IL	AIRPORT NAME: HARRISBURG-RALEIGH	RNAV	RNAV (GPS) RWY 6, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED 04/10/2008

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLIAMSON COUNTY RGNL ALTIMETER SETTING AND INCREASE ALL DA 62 FEET AND ALL MDA 80 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CATS C AND D AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.
CHART NOTE: VDP NA WITH WILLIAMSON COUNTY RGNL ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	333/30 CW 153/30 (NOPT)	JATUS (IF/IAF) (FB)	2700
2.	153/30 CW 243/30	VINUC (IAF) (FB)	2700
3.	243/30 CW 333/30	FEBIB (IAF) (FB)	2700

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HARRISBURG, IL	**ELEVATION: 398 TDZE: 394** AIRPORT NAME: **HARRISBURG-RALEIGH**	**RNAV**	**RNAV (GPS) RWY 6, AMDT 1** 23 SEP 2010	AMDT: **ORIG** DATED: **04/10/2008**

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHSB
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	374832.2650N
LTP/FTP LONGITUDE	0883334.0915W
LTP/FTP ELLIPSOIDAL HEIGHT	+00882
FPAP LATITUDE	374912.6300N
FPAP LONGITUDE	0883153.8200W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	5445CF94

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01179
FPAP ORTHOMETRIC HEIGHT	+01179

QUALITY CHECKED

CITY AND STATE	ELEVATION: 398 TDZE: 394	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HARRISBURG, IL	AIRPORT NAME: HARRISBURG-RALEIGH	RNAV	RNAV (GPS) RWY 6, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 04/10/2008

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

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   CIKAB K50    W     N37474060W088354234                    W0020    NAR          CIKAB
          SUSAEAENRT   FEBIB K50    W     N37385683W088432439                    W0019    NAR          FEBIB
          SUSAEAENRT   JATUS K50    W     N37432438W088461612                    W0019    NAR          JATUS
          SUSAEAENRT   JIVSO K50    W     N37535191W088201747                    W0022    NAR          JIVSO
          SUSAEAENRT   LUSIY K50    W     N37461089W088392465                    W0020    NAR          LUSIY
          SUSAEAENRT   VINUC K50    W     N37475186W088490819                    W0019    NAR          VINUC

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KHSBK5AHSB     0      050YHN37484052W088330093E000000398         1800018000C    MNAR     HARRISBURG-RALEIGH

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KHSBK5FR06   AFEBIB 010FEBIBK5EA0E  A    IF                                          18000              A JS
          SUSAP KHSBK5FR06   AFEBIB 020JATUSK5EA0EE B 010TF                    33300050    + 02700                     A JS
          SUSAP KHSBK5FR06   AJATUS 010JATUSK5EA0EE AR   HF                    06300040    + 02700     18000           A JS
          SUSAP KHSBK5FR06   AVINUC 010VINUCK5EA0E  A    IF                                          18000              A JS
          SUSAP KHSBK5FR06   AVINUC 020JATUSK5EA0EE B 010TF                    15290050    + 02700                     A JS
          SUSAP KHSBK5FR06   R      010JATUSK5EA0E  I    IF                                + 02700     18000           A JS
          SUSAP KHSBK5FR06   R      020LUSIYK5EA1E  F 051TF                    06300061    + 02100                     A JS
          SUSAP KHSBK5FR06   R      020LUSIYK5EA2WALPV       ALNAV/VNAV ALNAV                                          JS
          SUSAP KHSBK5FR06   R      021CIKABK5EA0E S  031TF                    06300033    V 0102001030        -300    A JS
          SUSAP KHSBK5FR06   R      030RW06 K5PG0GY M 031TF                    06310019      00422             -300    A JS
          SUSAP KHSBK5FR06   R      040         0  M  010CA                    0631        + 00682                     A JS
          SUSAP KHSBK5FR06   R      050JIVSOK5EA0EY   010DF                                + 02000                     A JS
          SUSAP KHSBK5FR06   R      060JIVSOK5EA0EE  R020HM                    24320040    + 02000                     A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KHSBK5GRW06    0050130631 N37483227W088333409+0200    +008820038700003507 5R
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 398 TDZE: 394	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HARRISBURG, IL	AIRPORT NAME: HARRISBURG-RALEIGH	RNAV	RNAV (GPS) RWY 6, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 04/10/2008

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

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KHSBK5PR06    RW06 001 0000W06A0N3748322650W08833340915+008820300N3749126300W088315382001067512240003 50F4005005445CF94
        SUSAP KHSBK5PR06    RW06 002E      +01179+01179LPV       63119
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 398 TDZE: 394	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HARRISBURG, IL	AIRPORT NAME: HARRISBURG-RALEIGH	RNAV	RNAV (GPS) RWY 6, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 04/10/2008

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
IPEYU (IAF)	JIVSO (NOPT) (FB)	333.26 / 5.00	2000
TIYUP (IAF)	JIVSO (NOPT) (FB)	153.20 / 5.00	2000
JIVSO (IF/IAF)	LAGLE (FB)	243.23 / 6.10	2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW24

CLIMB TO 2700 DIRECT JATUS AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 062.96 INBOUND.
CHART FAS OBST: 619 TREE 375028N/0883050W
CHART FAS OBST: 549 TREE 374945N/0883128W
DISTANCE TO THLD FROM 297 HAT: 0.82 NM.
WAAS CHANNEL # 56519
REFERENCE PATH ID: W24A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE JIVSO, RT, 243.23 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 243.16 FAF: LAGLE DIST FAF TO MAP: 4.86 THLD: 4.86
4. MIN. ALT: JIVSO 2000, LAGLE 2000, FASKI/1.90 NM TO RW24 1020*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: LAGLE 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 35.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 0E 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	693	1	297	693	1	297	693	1	297	693	1	297			
LNAV/VNAV DA	859	1 3/4	463	859	1 3/4	463	859	1 3/4	463	859	1 3/4	463			
LNAV MDA	880	1	484	880	1	484	880	1 1/4	484	880	1 1/2	484			
CIRCLING	880	1	482	1020	1	622	1020	1 3/4	622	1020	2	622			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING WILLIAMSON COUNTY RGNL 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

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 398 TDZE: 396	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HARRISBURG, IL	AIRPORT NAME: HARRISBURG-RALEIGH	RNAV	RNAV (GPS) RWY 24, AMDT 2 23 SEP 2010	AMDT: 1 DATED 04/10/2008

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

NOTES CONT.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLIAMSON COUNTY REGIONAL ALTIMETER SETTING AND INCREASE ALL DA 62 FEET AND ALL MDA 80 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CATS C AND D AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.
***LNAV ONLY.**

TAA

	FROM	TO	ALT
1.	153/30 CW 333/30 (NOPT)	153/9 CW 333/9	2300
2.	153/9 CW 333/9	JIVSO (IF/IAF) (FB)	2000
3.	333/30 CW 063/30	333/5 CW 063/5	2700
4.	333/5 CW 063/5	IPEYU (IAF) (FB)	2000
5.	063/30 CW 153/30	063/5 CW 153/5	2700
6.	063/5 CW 153/5	TIYUP (IAF) (FB)	2000

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HARRISBURG, IL	ELEVATION: 398 TDZE: 396 AIRPORT NAME: HARRISBURG-RALEIGH	RNAV	RNAV (GPS) RWY 24, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 04/10/2008

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHSB
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	374854.6985N
LTP/FTP LONGITUDE	0883238.3810W
LTP/FTP ELLIPSOIDAL HEIGHT	+00910
FPAP LATITUDE	374814.3300N
FPAP LONGITUDE	0883418.6400W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	B395C4E7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01208
FPAP ORTHOMETRIC HEIGHT	+01208

QUALITY CHECKED

CITY AND STATE	ELEVATION: 398 TDZE: 396	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HARRISBURG, IL	AIRPORT NAME: HARRISBURG-RALEIGH	RNAV	RNAV (GPS) RWY 24, AMDT 2 23 SEP 2010	AMDT: 1
				DATED: 04/10/2008

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   FASKI K50    W     N37494632W088303006                    W0021     NAR           FASKI
         SUSAEAENRT   IPEYU K50    W     N37492372W088172693                    W0023     NAR           IPEYU
         SUSAEAENRT   JATUS K50    W     N37432438W088461612                    W0019     NAR           JATUS
         SUSAEAENRT   JIVSO K50    W     N37535191W088201747                    W0022     NAR           JIVSO
         SUSAEAENRT   LAGLE K50    W     N37510667W088271000                    W0022     NAR           LAGLE
         SUSAEAENRT   TIYUP K50    W     N37582002W088230835                    W0022     NAR           TIYUP

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KHSBK5AHSB      0      050YHN37484052W088330093E000000398          1800018000C     MNAR     HARRISBURG-RALEIGH

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KHSBK5FR24    AIPEYU 010IPEYUK5EA0E  A    IF                                                18000                A JS
         SUSAP KHSBK5FR24    AIPEYU 020JIVSOK5EA0EE B 010TF                     33330050    + 02000                                A JS
         SUSAP KHSBK5FR24    AJIVSO 010JIVSOK5EA0EE AR   HF                     24320040    + 02000     18000                      A JS
         SUSAP KHSBK5FR24    ATIYUP 010TIYUPK5EA0E  A    IF                                          18000                      A JS
         SUSAP KHSBK5FR24    ATIYUP 020JIVSOK5EA0EE B 010TF                     15320050    + 02000                                A JS
         SUSAP KHSBK5FR24    R      010JIVSOK5EA0E  I    IF                                     + 02000     18000              A JS
         SUSAP KHSBK5FR24    R      020LAGLEK5EA1E  F 051TF                    24320061    + 02000                                A JS
         SUSAP KHSBK5FR24    R      020LAGLEK5EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
         SUSAP KHSBK5FR24    R      021FASKIK5EA0E S  031TF                    24320030    V 0102001040          -300          A JS
         SUSAP KHSBK5FR24    R      030RW24 K5PG0GY M 031TF                    24310019      00431               -300          A JS
         SUSAP KHSBK5FR24    R      040          0  M  010CA                   2431        + 00693                                A JS
         SUSAP KHSBK5FR24    R      050JATUSK5EA0EY    010DF                               + 02700                                A JS
         SUSAP KHSBK5FR24    R      060JATUSK5EA0EE  R020HM                     06300040    + 02700                                A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KHSBK5GRW24     0050132431 N37485470W088323838-0200     +00910003960000035075R
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 398 TDZE: 396	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HARRISBURG, IL	AIRPORT NAME: HARRISBURG-RALEIGH	RNAV	RNAV (GPS) RWY 24, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 04/10/2008

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

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHSBK5PR24   RW24 001 0000W24A0N3748546985W08832383810+009100300N3748143300W088341864001067512240003 50F400500B395C4E7
        SUSAP KHSBK5PR24   RW24 002E      +01208+01208LPV       56519
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 398 TDZE: 396	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HARRISBURG, IL	AIRPORT NAME: HARRISBURG-RALEIGH	RNAV	RNAV (GPS) RWY 24, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 04/10/2008

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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, 14, 24, 32 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 06, TREES BEGINNING 62' FROM DER, 257' LEFT OF CENTERLINE, UP TO 100' AGL/519' MSL. TREES AND PVC PIPE IN CONCRETE BEGINNING 627' FROM DER, 230' LEFT OF CENTERLINE, UP TO 100' AGL/519' MSL. TREE 895' FROM DER, 523' RIGHT OF CENTERLINE, 61' AGL/454' MSL. TREE 5590' FROM DER, 1383' LEFT OF CENTERLINE, 100' AGL/539' MSL. NOTE: RWY 14, VEHICLE 368' FROM DER, 594' RIGHT OF CENTERLINE, 15' AGL/ 394' MSL. TREES BEGINNING 3343' FROM DER, 1286' LEFT OF CENTERLINE, UP TO 100' AGL/509' MSL. NOTE: RWY 24, TREES BEGINNING 919' FROM DER, 487' RIGHT OF CENTERLINE, UP TO 100' AGL/509' MSL. TREES BEGINNING 1706' FROM DER, 420' RIGHT OF CENTERLINE, UP TO 100' AGL/519' MSL. NOTE: RWY 32, VEHICLE 482' FROM DER, 609' LEFT OF CENTERLINE, 15' AGL/414' MSL. TREES BEGINNING 1087' FROM DER, 207' LEFT OF CENTERLINE, UP TO 100' AGL/509' MSL. (CONT.)

(4) CONTROLLING OBSTACLES:



(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
HARRISBURG, IL	HARRISBURG-RALEIGH	23 SEP 2010	1

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.)

TREES BEGINNING 1616' FROM DER, 45' RIGHT OF CENTERLINE, UP TO 100' AGL/509' MSL.



City, State	Airport	Effective Date	Amdt. No.
HARRISBURG, IL	HARRISBURG-RALEIGH	23 SEP 2010	1

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective 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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HLC VORTAC	NRN NDB	015.42 / 39.00	4300
MCK VOR/DME	NRN NDB	114.56 / 38.59	4300

MISSED APPROACH

MAP: NRN NDB

CLIMB TO 3300 THEN CLIMBING RIGHT TURN TO 4300 DIRECT NRN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4300.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 318.54 INBOUND.
FAS OBST: 2719 AAO 395439N/0995830W
FAC CROSSES RWY C/L EXTENDED 3002 FROM THLD.

1. PT R SIDE OF COURSE 318.54 OUTBOUND 4300 FT WITHIN 10 MILES OF NRN NDB (IAF)
2.
3. FAC 138.54 FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: NRN NDB 4200

MAG VAR: 8E EPOCH YEAR: 1990

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-16	3080	1	696	3080	1	696	3080	2	696		NA				
CIRCLING	3080	1	696	3080	1	696	3080	2	696		NA				

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HILL CITY MUNI ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE S-16/CIRCLING CAT B VISIBILITY 1/2 MILE, CAT C VISIBILITY 1 MILE.

CITY AND STATE	ELEVATION: 2384 TDZE: 2384 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
NORTON, KS	NORTON MUNI	NRN	NDB RWY 16, AMDT 2 23 SEP 2010	AMDT 1 DATE 07/05/2007

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

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HLC VORTAC	NRN NDB	015.42 / 39.00	4300
MCK VOR/DME	NRN NDB	114.56 / 38.59	4300

MISSED APPROACH

MAP: NRN NDB

CLIMB TO 3700 THEN CLIMBING LEFT TURN TO 4300 DIRECT NRN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4300.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 170.62 INBOUND.
CHART FAS OBST: 2758 TOWER 394817N/0995326W
FAC CROSSES RWY C/L EXTENDED 3002 FROM THLD.

1. PT L SIDE OF COURSE 170.62 OUTBOUND 4300 FT WITHIN 10 MILES OF NRN NDB (IAF)
2.
3. FAC 350.62 FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: NRN NDB 4200

MAG VAR: 8E EPOCH YEAR:1990

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-34	3160	1	784	3160	1 1/4	784	3160	2 1/4	784		NA				
CIRCLING	3160	1	776	3160	1 1/4	776	3160	2 1/4	776		NA				

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HILL CITY MUNI ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE S-34/CIRCLING CAT A VISIBILITY 1/4 MILE, CAT C VISIBILITY 1/2 MILE.

CITY AND STATE	ELEVATION: 2384 TDZE: 2376 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
NORTON, KS	NORTON MUNI	NRN	NDB RWY 34, AMDT 2 23 SEP 2010	AMDT 1 DATE 07/05/2007

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

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HLC VORTAC	VAYUP (FO)	006.70 / 48.03	4300
MCK VOR/DME	HELGI (FB)	107.27 / 26.95	4300
RISHO	BACBA (FB)	295.34 / 48.74	4300
BACBA (IAF)	VAYUP (NOPT) (FB)	246.28 / 5.00	4300
HELGI (IAF)	VAYUP (NOPT) (FB)	066.14 / 5.00	4300
VAYUP (IF/IAF)	DOPPE (FB)	156.21 / 6.02	4000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW16

CLIMB TO 4300 DIRECT CEYAL AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 336.29 INBOUND.
CHART FAS OBST: 2386 GRD 395133N/0995355W
CHART FAS OBST: 2386 GRD 395132N/0995354W
DISTANCE TO THLD FROM 250 HAT: 0.64 NM.
WAAS CHANNEL # 99519
REFERENCE PATH ID: W16A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW VAYUP, RT, 156.21 INBOUND, 4300 FT. IN LIEU OF PT (IAF)
3. FAC: 156.23 FAF: DOPPE DIST FAF TO MAP: 4.87 THLD: 4.87
4. MIN. ALT: VAYUP 4300, DOPPE 4000, UYICA/1.95 NM TO RW16 3040*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4000 GS ALT AT: DOPPE 4000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM: RW16 4200

MAG VAR: 8E EPOCH YEAR: 1990

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	2634	1	250	2634	1	250	2634	1	250		NA				
LNAV/VNAV DA	2656	1	272	2656	1	272	2656	1	272		NA				
LNAV MDA	2840	1	456	2840	1	456	2840	1 1/4	456		NA				
CIRCLING	2880	1	496	2880	1	496	2880	1 1/2	496		NA				

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING HILL CITY MUNI ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
SEE 8260-10

CITY AND STATE	ELEVATION: 2384 TDZE: 2384	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
NORTON, KS	AIRPORT NAME: NORTON MUNI	RNAV	RNAV (GPS) RWY 16, AMDT 1 23 SEP 2010	AMDT: ORIG-B
				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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: PROCEDURE NA AT NIGHT.
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HILL CITY MUNI ALTIMETER SETTING AND INCREASE ALL DA 86 FT, ALL MDA 100 FT, INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CAT C VISIBILITY 1/4 MILE.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT MCK VOR/DME ON V220 SOUTHWEST BOUND.

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KNRN
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	395131.6840N
LTP/FTP LONGITUDE	0995350.0185W
LTP/FTP ELLIPSOIDAL HEIGHT	+07020
FPAP LATITUDE	395005.8600N
FPAP LONGITUDE	0995318.6200W
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	1320
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	265CC6B5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+07266
FPAP ORTHOMETRIC HEIGHT	+07266

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ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        HLC   K3011370VTHA N39153149W100133306    N39153149W100133306E0080026902     NARHILL CITY
        SUSAD        MCK   K3011530VDHW N40121367W100353921    N40121367W100353921E0080025712     NARMCCOOK

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BACBA K30    W     N40032193W099512475                    E0060    NAR          BACBA
        SUSAEAENRT   CEYAL K30    W     N39401464W099494291                    E0060    NAR          CEYAL
        SUSAEAENRT   DOPPE K30    W     N39561297W099553308                    E0061    NAR          DOPPE
        SUSAEAENRT   HELGI K30    W     N40003853W100035642                    E0062    NAR          HELGI
        SUSAEAENRT   RISHO K30    C   L N39364537W098582295                    E0054    NAR          RISHO
        SUSAEAENRT   UYICA K30    W     N39532437W099543128                    E0061    NAR          UYICA
        SUSAEAENRT   VAYUP K30    W     N40020040W099574071                    E0061    NAR          VAYUP

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KNRNK3ANRN      0     047YHN39510170W099534090E008002384         1800018000C    MNAR    NORTON MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KNRNK3FR16   AHLC   010HLC  K3D 0V       IF                                                  18000                A JS
        SUSAP KNRNK3FR16   AHLC   020VAYUPK3EA0EY   020TF                    00670480    + 04300                                  A JS
        SUSAP KNRNK3FR16   AHLC   030VAYUPK3EA0EE AR   HF                    15620050    + 04300                                  A JS
        SUSAP KNRNK3FR16   AMCK   010MCK  K3D 0V       IF                                                  18000                A JS
        SUSAP KNRNK3FR16   AMCK   020HELGIK3EA0E  A 020TF                    10730270    + 04300                                  A JS
        SUSAP KNRNK3FR16   AMCK   030VAYUPK3EA0EE B 010TF                    05610050    + 04300                                  A JS
        SUSAP KNRNK3FR16   ARISHO 010RISHOK3EA0E       IF                                                  18000                A JS
        SUSAP KNRNK3FR16   ARISHO 020BACBAK3EA0E  A 020TF                    29530487    + 04300                                  A JS
        SUSAP KNRNK3FR16   ARISHO 030VAYUPK3EA0EE B 010TF                    24630050    + 04300                                  A JS
        SUSAP KNRNK3FR16   R      010VAYUPK3EA0E  I    IF                                + 04300    18000                         A JS
        SUSAP KNRNK3FR16   R      020DOPPEK3EA1E  F 051TF                    15620060    + 04000                RW16  K3PGA JS
        SUSAP KNRNK3FR16   R      020DOPPEK3EA2WALPV       ALNAV/VNAV ALNAV                                                       JS
        SUSAP KNRNK3FR16   R      021UYICAK3EA0E S  031TF                    15620029    V 0304003054       -300                A JS
        SUSAP KNRNK3FR16   R      030RW16 K3PG0GY M 031TF                    15620020      02429            -300                A JS
```

CITY AND STATE	ELEVATION: 2384 TDZE: 2384	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NORTON, KS	AIRPORT NAME: NORTON MUNI	RNAV	RNAV (GPS) RWY 16, AMDT 1 23 SEP 2010	AMDT: ORIG-B
				DATED: 10/23/2008

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KNRNK3FR16   R      040         0  M  010CA                    1562       + 02634                        A JS
        SUSAP KNRNK3FR16   R      050CEYALK3EA0EY   010DF                               + 04300                        A JS
        SUSAP KNRNK3FR16   R      060CEYALK3EA0EE  R020HM                   33630050    + 04300                        A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KNRNK3GRW16    0047011563 N39513168W099535002-0500    +07020023840000450 60R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KNRNK3PR16   RW16 001 0000W16A0N3951316840W09953500185+070200300N3950058600W0995318620010675132000045 0F400500265CC6B5
        SUSAP KNRNK3PR16   RW16 002E      +07266+07266LPV       99519

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KNRNK3SRW16 K3PG              0   18018004225                                                          M
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CITY AND STATE	ELEVATION: 2384 TDZE: 2384	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NORTON, KS	AIRPORT NAME: **NORTON MUNI**	**RNAV**	**RNAV (GPS) RWY 16, AMDT 1** 23 SEP 2010	AMDT: **ORIG-B**
				DATED: **10/23/2008**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HLC VORTAC	LASEC (FB)	022.20 / 27.03	4300
MCK VOR/DME	CEYAL (FO)	123.88 / 47.64	4300
RISHO	RACCO (FB)	270.14 / 35.17	4300
LASEC (IAF)	CEYAL (NOPT) (FB)	066.22 / 5.00	4300
RACCO (IAF)	CEYAL (NOPT) (FB)	246.36 / 5.00	4300
CEYAL (IF/IAF)	WEKES (FB)	336.29 / 6.01	4000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW34

CLIMB TO 4300 DIRECT VAYUP AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 156.21 INBOUND.
CHART FAS OBST: 2528 TOWER 395027N/0995318W
CHART 2836 TOWER 394614N/0995012W
DISTANCE TO THLD FROM 424 HAT: 1.23 NM.
WAAS CHANNEL # 70619
REFERENCE PATH ID: W34A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE CEYAL, RT, 336.29 INBOUND, 4300 FT. IN LIEU OF PT (IAF)
3. FAC: 336.27 FAF: WEKES DIST FAF TO MAP: 4.93 THLD: 4.93
4. MIN. ALT: CEYAL 4300, WEKES 4000, BINCA/2.00 NM TO RW34 3060*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4000 GS ALT AT: WEKES 4000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM: RW34 4200

MAG VAR: 8E EPOCH YEAR: 1990

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	2800	1 1/2	424	2800	1 1/2	424	2800	1 1/2	424		NA				
LNAV/VNAV DA	2828	1 3/4	452	2828	1 3/4	452	2828	1 3/4	452		NA				
LNAV MDA	2840	1	464	2840	1	464	2840	1 1/4	464		NA				
CIRCLING	2880	1	496	2880	1	496	2880	1 1/2	496		NA				

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING HILL CITY ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-7F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
SEE 8260-10

CITY AND STATE	ELEVATION: 2384 TDZE: 2376	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
NORTON, KS	AIRPORT NAME: NORTON MUNI	RNAV	RNAV (GPS) RWY 34, AMDT 1 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: *NA WHEN USING HILL CITY ALTIMETER SETTING.
CHART NOTE: *LNAV ONLY.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HILL CITY MUNI ALTIMETER SETTING AND INCREASE ALL DA 86 FT, ALL MDA 100 FT, INCREASE LPV ALL CATS 1/4 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT MCK VOR/DME ON V220 SOUTHWEST BOUND.

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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	KNRN
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	395046.6560N
LTP/FTP LONGITUDE	0995333.5990W
LTP/FTP ELLIPSOIDAL HEIGHT	+06952
FPAP LATITUDE	395212.7900N
FPAP LONGITUDE	0995405.0700W
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	1320
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	333771EA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+07199
FPAP ORTHOMETRIC HEIGHT	+07199

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD        HLC   K3011370VTHA N39153149W100133306    N39153149W100133306E0080026902     NARHILL CITY
        SUSAD        MCK   K3011530VDHW N40121367W100353921    N40121367W100353921E0080025712     NARMCCOOK

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BINCA K30    W     N39485138W099525139                    E0060     NAR          BINCA
        SUSAEAENRT   CEYAL K30    W     N39401464W099494291                    E0060     NAR          CEYAL
        SUSAEAENRT   LASEC K30    W     N39385318W099555679                    E0061     NAR          LASEC
        SUSAEAENRT   RACCO K30    W     N39413577W099432879                    E0059     NAR          RACCO
        SUSAEAENRT   RISHO K30    C   L N39364537W098582295                    E0054     NAR          RISHO
        SUSAEAENRT   VAYUP K30    W     N40020040W099574071                    E0061     NAR          VAYUP
        SUSAEAENRT   WEKES K30    W     N39460175W099514943                    E0060     NAR          WEKES

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KNRNK3ANRN     0     047YHN39510170W099534090E008002384          1800018000C    MNAR     NORTON MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KNRNK3FR34   AHLC   010HLC  K3D 0V       IF                                                  18000                A JS
        SUSAP KNRNK3FR34   AHLC   020LASECK3EA0E  A 020TF                    02220270    + 04300                                A JS
        SUSAP KNRNK3FR34   AHLC   030CEYALK3EA0EE B 010TF                    06620050    + 04300                                A JS
        SUSAP KNRNK3FR34   AMCK   010MCK  K3D 0V       IF                                                  18000                A JS
        SUSAP KNRNK3FR34   AMCK   020CEYALK3EA0EY   020TF                    12390476    + 04300                                A JS
        SUSAP KNRNK3FR34   AMCK   030CEYALK3EA0EE AR   HF                    33630050    + 04300                                A JS
        SUSAP KNRNK3FR34   ARISHO 010RISHOK3EA0E       IF                                                  18000                A JS
        SUSAP KNRNK3FR34   ARISHO 020RACCOK3EA0E  A 020TF                    27010352    + 04300                                A JS
        SUSAP KNRNK3FR34   ARISHO 030CEYALK3EA0EE B 010TF                    24640050    + 04300                                A JS
        SUSAP KNRNK3FR34   R      010CEYALK3EA0E  I    IF                                + 04300     18000                      A JS
        SUSAP KNRNK3FR34   R      020WEKESK3EA1E  F 051TF                    33630060    + 04000                 RW34   K3PGA JS
        SUSAP KNRNK3FR34   R      020WEKESK3EA2WALPV       ALNAV/VNAV ALNAV                                                       JS
        SUSAP KNRNK3FR34   R      021BINCAK3EA0E S  031TF                    33630029    V 0306003075        -300               A JS
        SUSAP KNRNK3FR34   R      030RW34 K3PGOGY M 031TF                    33630020      02407             -300               A JS
```

CITY AND STATE	ELEVATION: 2384 TDZE: 2376	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NORTON, KS	AIRPORT NAME: NORTON MUNI	RNAV	RNAV (GPS) RWY 34, AMDT 1 23 SEP 2010	AMDT: ORIG-A DATED: 10/23/2008

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KNRNK3FR34    R       040         0  M  010CA                    3363        + 02784                          A JS
        SUSAP KNRNK3FR34    R       050VAYUPK3EA0EY    010DF                                + 04300                          A JS
        SUSAP KNRNK3FR34    R       060VAYUPK3EA0EE    R020HM                   15620050    + 04300                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KNRNK3GRW34     0047013363 N39504697W099533366+0500     +06952023620000450 60R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KNRNK3PR34    RW34 001 0000W34A0N39503469745W09953336620+069520300N39521279 00W099540507001067513200004 50F40050026BB2571
        SUSAP KNRNK3PR34    RW34 002E       +07199+07199LPV       70619

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KNRNK3SRW34 K3PG                0   18018004225                                                                M
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CITY AND STATE	ELEVATION: 2384 TDZE: 2376	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NORTON, KS	AIRPORT NAME: NORTON MUNI	RNAV	RNAV (GPS) RWY 34, AMDT 1 23 SEP 2010	AMDT: ORIG-A DATED: 10/23/2008

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JIRIN (IAF)	IMOGY (NOPT) (FB)	328.98 / 5.00	3000
JOMAV (IAF)	IMOGY (NOPT) (FB)	148.90 / 5.00	3000
IMOGY (IF/IAF)	ZOKOB (FB)	238.94 / 6.94	2100

MISSED APPROACH

LNAV: RW23

CLIMB TO 3000 DIRECT JEPAX AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 058.69 INBOUND.
CHART FAS OBST: 732 TREE 371438N/0870835W
CHART 912 TOWER 371652N/0870606W.
CHART VDP AT 1.04 MILES TO RW23.
ZOKOB TO RW23: 3.04/40.
CHART: APT ELEV 428
CHART: TDZE 428

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE IMOGY, RT, 238.94 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 238.86 FAF: ZOKOB DIST FAF TO MAP: 5.06 THLD: 5.06
4. MIN. ALT: IMOGY 3000, ZOKOB 2100, HUKDA/3.70 NM TO RW23 1640
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM: ____

MAG VAR: 3W 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	1000	1	572	1000	1	572	1000	1 1/2	572	1000	1 3/4	572			
CIRCLING	1040	1	612	1040	1	612	1040	1 3/4	612	1040	2	612			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OWENSBORO ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND LNAV AND CIRLCING CATS C AND D VISIBILITY 1/4 MILE.
CHART NOTE: VDP NA WITH OWENSBORO ALTIMETER SETTING.

CITY AND STATE	ELEVATION: 428 TDZE: 428	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
GREENVILLE, KY	AIRPORT NAME: MUHLENBERG COUNTY	RNAV	RNAV (GPS) RWY 23, ORIG 23 SEP 2010	AMDT: NONE
				DATED

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

TAA

	FROM	TO	ALT
1.	149/30 CW 329/30 (NOPT)	IMOGY (IF/IAF) (FB)	3000
2.	329/30 CW 059/30	JIRIN (IAF) (FB)	3000
3.	059/30 CW 149/30	JOMAV (IAF) (FB)	3000

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   HUKDA K50    W     N37155099W087051142                    W0031     NAR          HUKDA
        SUSAEAENRT   IMOGY K50    W     N37203055W086563468                    W0032     NAR          IMOGY
        SUSAEAENRT   JEPAX K50    W     N37063480W087221313                    W0029     NAR          JEPAX
        SUSAEAENRT   JIRIN K50    W     N37162166W086530418                    W0033     NAR          JIRIN
        SUSAEAENRT   JOMAV K50    W     N37243934W087000557                    W0032     NAR          JOMAV
        SUSAEAENRT   ZOKOB K50    W     N37163691W087034670                    W0031     NAR          ZOKOB

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP M21 K5AM21     0      050YHN37133443W087092299W003000428          1800018000C     MNAR     MUHLENBERG COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP M21 K5FR23    AIMOGY 010IMOGYK5EA0EE AR    HF                     23890040     + 03000      18000                 B JS
        SUSAP M21 K5FR23    AJIRIN 010JIRINK5EA0E  A     IF                                                18000                 B JS
        SUSAP M21 K5FR23    AJIRIN 020IMOGYK5EA0EE B 010TF                      32900050     + 03000                            B JS
        SUSAP M21 K5FR23    AJOMAV 010JOMAVK5EA0E  A     IF                                                18000                 B JS
        SUSAP M21 K5FR23    AJOMAV 020IMOGYK5EA0EE B 010TF                      14890050     + 03000                            B JS
        SUSAP M21 K5FR23    R      010IMOGYK5EA0E  I     IF                                 + 03000      18000                 B JS
        SUSAP M21 K5FR23    R      020ZOKOBK5EA1E  F 051TF                     23890069     + 02100                            B JS
        SUSAP M21 K5FR23    R      020ZOKOBK5EA2WN          N          ALNAV                                                  JS
        SUSAP M21 K5FR23    R      021HUKDAK5EA0E S  031TF                     23890014     V 0164001656         -304          B JS
        SUSAP M21 K5FR23    R      030RW23 K5PG0GY M 031TF                     23890037       00465              -304          B JS
        SUSAP M21 K5FR23    R      040          0  M  010CA                    2389         + 00828                            B JS
        SUSAP M21 K5FR23    R      050JEPAXK5EA0EY   010DF                                  + 03000                            B JS
        SUSAP M21 K5FR23    R      060JEPAXK5EA0EE   R020HM                    05870040     + 03000                            B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP M21 K5GRW23     0050002388 N37134611W087090153-0300     +009940042504004075R
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CITY AND STATE	ELEVATION: 428 TDZE: 428	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
GREENVILLE, KY	AIRPORT NAME: **MUHLENBERG COUNTY**	**RNAV**	**RNAV (GPS) RWY 23, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CCT VORTAC (IF/IAF)	TATAL/6.00 DME	152.99 / 6.00	2100

MISSED APPROACH

MAP: MAFIX/10.63 DME FIX

CLIMBING LEFT TURN TO 2500 DIRECT CCT VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 732 TREE 371438N/0870835W
FAC CROSSES MID POINT OF RWY 05-23.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW CCT VORTAC, RT, 152.99 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC 152.99 FAF TATAL/6.00 DME DIST FAF TO MAP ____ THLD ____
4. MIN. ALT CCT VORTAC 2500, TATAL 2100
8. MSA FROM: CCT VORTAC 2600

MAG VAR: 1W EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	1040	1	612	1040	1	612	1040	1 3/4	612	1040	2	612			

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OWENSBORO ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND VISIBILITY CATS C AND D 1/4 MILE.
CHART PLANVIEW NOTE: NOPT FOR ARRIVALS ON CCT VORTAC AIRWAY RADIALS 255 CW 325.

CITY AND STATE	ELEVATION: 428 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR/DME OR GPS-A
GREENVILLE, KY	AIRPORT NAME: MUHLENBERG COUNTY	CCT	VOR/DME-A, AMDT 5 23 SEP 2010	AMDT 4
				DATE 03/20/2003

FAA FORM 8260-5 / 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.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HRV VORTAC (IAF)	HELMT INT/I-HOX 10.32 DME/RADAR	330.61 / 6.22	3000**
HELMT INT/I-HOX 10.32 DME/RADAR (IF)	ZUTAT/I-HOX 4.31 DME/RADAR	283.49 / 6.01 (I-HOX)	1500

MISSED APPROACH

ILS: DA
LOC: 4.48 MILES AFTER ZUTAT/ I - HOX 4.31 DME/RADAR OR AT I-HOX 0.17 DME FIX

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT RQR VOR/DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 3000 DIRECT KINTE LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000 (ADF REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 093.00 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD W KINTE LOM, RT, 103.47 INBOUND.
CHART FAS OBST: 100 TREE 295913N/0901427W
219 AAO 295735N/0900951W
CHART I-HOX DME ANTENNA IN PROFILE.
CHART IN PLANVIEW: KINTE LOM.
CHART ASR.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HELMT
3. FAC: 283.49 FAF: ZUTAT/I-HOX 4.31 DME/RADAR DIST FAF TO MAP: 4.48 THLD: 4.48
4. MIN. ALT: HELMT 3000**, ZUTAT 1500, KENLE/I-HOX 1.13 DME 440*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1006
6. MIN GS INCPT: 1500 GS ALT AT: ZUTAT/I-HOX 4.31 DME/RADAR 1500 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 52.1
8. MSA FROM: HRV VORTAC 2100

MAG VAR: 2E EPOCH YEAR: 1990

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 28	203	2400	200	203	2400	200	203	2400	200	203	2400	200			
S-LOC 28	440	2400	437	440	2400	437	440	4000	437	440	5000	437			
CIRCLING	520	1	516	520	1	516	520	1 1/2	516	580	2	576			
KENLE FIX MINIMUMS															
S-LOC 28	360	2400	357	360	2400	357	360	2400	357	360	4000	357			
CIRCLING	520	1	516	520	1	516	520	1 1/2	516	580	2	576			

NOTES:
CHART NOTE: DME OR RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
*LOC ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HRV VORTAC ON V552 SOUTHBOUND.
**2100 WHEN AUTHORIZED BY ATC

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 4 TDZE: 3 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
NEW ORLEANS, LA	LOUIS ARMSTRONG NEW ORLEANS INTL	I-HOX	ILS OR LOC RWY 28, AMDT 8 / 23 SEP 2010	AMDT: 7A / DATED 06/03/2010

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HRV VORTAC	JASPO INT/I-ONW 5.85 DME	321.64 / 18.58	2100
RQR VOR/DME	JASPO INT/I-ONW 5.85 DME	085.71 / 19.48	2000
WAVEZ INT (IAF)	RAYOP INT/I-ONW 11.90 DME (NOPT)	149.00 / 2.71 (HDG) & 193.48 / 4.63 (I-ONW)	2000
RAYOP INT/I-ONW 11.90 DME (IF)	JASPO INT/I-ONW 5.85 DME	193.48 / 6.05 (I-ONW)	2000

MISSED APPROACH

MAP: 6.02 MILES AFTER JASPO INT/I-ONW 5.85 DME OR AT I-ONW 0.18 DME FIX

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 2000 VIA HEADING 180 AND RQR VOR/DME R-123 TO SAFES INT/RQR 28.00 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 2100 VIA HEADING 074 AND HRV VORTAC R-016 TO SNAKI/HRV 18.88 DME AND HOLD (DME REQUIRED).

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 303.13 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD N SNAKI/HRV 18.88 DME, RT, 196.34 INBOUND.
CHART FAS OBST: 70 TREE 300040N/0901443W
CHART 138 T-L TWR 300237N/0901408W.
CHART I-ONW DME ANTENNA IN PROFILE.
CHART VDP AT 0.74 DME;
DISTANCE VDP TO THLD 0.91 MILES.
JASPO TO RW19: 3.05/52.
CHART (IWDEG) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE.
CHART ASR.

1. PT L SIDE OF COURSE 013.48 OUTBOUND 2000 FT WITHIN 10 MILES OF JASPO (IAF)
2.
3. FAC 193.48 FAF JASPO INT/I-ONW 5.85 DME DIST FAF TO MAP 6.02 THLD 6.02
4. MIN. ALT JASPO 2000, SHORE/I-ONW 2.00 DME 700
8. MSA FROM: HRV VORTAC 2100

MAG VAR: 2E 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-19	700	4000	700	700	4000	700	700	2	700	700	2 1/4	700			
CIRCLING	700	1	696	700	1	696	700	2	696	700	2 1/4	696			
SHORE FIX MINIMUMS															
S-19	340	4000	340	340	4000	340	340	4000	340	340	5000	340			
CIRCLING	520	1	516	520	1	516	520	1 1/2	516	580	2	576			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 19 CAT C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WAVEZ ON V9-543 NORTHBOUND.

@ CAT D 800-2 1/4

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 4 TDZE: 0	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
NEW ORLEANS, LA	AIRPORT NAME: LOUIS ARMSTRONG NEW ORLEANS INTL	I-ONW	LOC RWY 19, AMDT 2 23 SEP 2010	AMDT 1
				DATE 05/15/2003

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TBD VORTAC	IDOJU (FB)	035.84 / 23.55	2000
IDOJU (IAF)	FIGUR (FB)	013.34 / 5.00	2000
RQR VOR/DME (IAF)	FIGUR (FB)	118.74 / 3.77	2000
FIGUR (IF)	KUSTE (FB)	103.35 / 7.23	2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW10

CLIMB TO 2000 DIRECT ZUBEL AND ON TRACK 192.08 TO SAFES AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT FIGUR
3. FAC: 103.41 FAF: KUSTE DIST FAF TO MAP: 5.99 THLD: 5.99
4. MIN. ALT: FIGUR 2000, KUSTE 2000, WEKTA/1.30 NM TO RW10 460*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: KUSTE 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR
8. MSA FROM: RW10 3100

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 354.44 INBOUND.
CHART FAS OBST: 66 TREE 300001N/0901714W
CHART FAS OBST: 65 TREE 295957N/0901736W
CHART 410 STACK 295947N/0902327W
DISTANCE TO THLD FROM 200 HAT: 0.45 NM.
WAAS CHANNEL # 61319
REFERENCE PATH ID: W10A
CHART ASR.

MAG VAR: 2E 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	204	2400	200	204	2400	200	204	2400	200	204	2400	200			
LNAV/VNAV DA	402	4000	398	402	4000	398	402	4000	398	402	4000	398			
LNAV MDA	380	2400	376	380	2400	376	380	2400	376	380	5000	376			
CIRCLING	520	1	516	520	1	516	520	1 1/2	516	580	2	576			

NOTES:
CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV CAT D VISIBILITY TO RVR 6000.
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.
*LNAV ONLY
SEE 8260-10

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 4 TDZE: 4	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10
NEW ORLEANS, LA	AIRPORT NAME: LOUIS ARMSTRONG NEW ORLEANS INTL	RNAV	RNAV (GPS) Y RWY 10, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				DATED 08/28/2008

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

NOTES CONT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON RQR VOR/DME AIRWAY RADIALS 055 CW 082 AND AT TBD VORTAC ON V198-552 WESTBOUND.

QUALIFIED 2 CHECKED

CITY AND STATE	ELEVATION: 4 TDZE: 4	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10
NEW ORLEANS, LA	AIRPORT NAME: LOUIS ARMSTRONG NEW ORLEANS INTL	RNAV	RNAV (GPS) Y RWY 10, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				DATED: 08/28/2008

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSY
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	295947.8600N
LTP/FTP LONGITUDE	0901654.2200W
LTP/FTP ELLIPSOIDAL HEIGHT	-00249
FPAP LATITUDE	295921.1700N
FPAP LONGITUDE	0901503.5000W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	B1F137EF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00013
FPAP ORTHOMETRIC HEIGHT	+00013



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

ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        RQR   K4011080VDLW N30051500W090351905    N30051500W090351905E0020000051     NARRESERVE
        SUSAD        TBD   K4011200VTL  N29395156W090494474    N29395156W090494474E0020000101     NARTIBBY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FIGUR K40    W     N30031912W090313512                    E0002     NAR          FIGUR
        SUSAEAENRT   IDOJU K40    W     N29582912W090330655                    E0003     NAR          IDOJU
        SUSAEAENRT   KUSTE K40    W     N30012386W090233353                    E0002     NAR          KUSTE
        SUSAEAENRT   SAFES K40    C   L N29490330W090085940                    E0000     NAR          SAFES
        SUSAEAENRT   WEKTA K40    W     N30000871W090182080                    E0001     NAR          WEKTA
        SUSAEAENRT   ZUBEL K40    W     N29571868W090063691                    E0000     NAR          ZUBEL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSYK4AMSY     0     101YHN29593620W090152890E002000004         18000018000C    MNAR    LOUIS ARMSTRONG NEW ORLEANS IN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSYK4FR10-Y ARQR   010RQR  K4D 0V  A    IF                                                  18000                A JS
        SUSAP KMSYK4FR10-Y ARQR   020FIGURK4EA0EE B 010TF                    11870038    + 02000                                 A JS
        SUSAP KMSYK4FR10-Y ATBD   010TBD  K4D 0V       IF                                                  18000                A JS
        SUSAP KMSYK4FR10-Y ATBD   020IDOJUK4EA0E  A 020TF                    03580236    + 02000                                 A JS
        SUSAP KMSYK4FR10-Y ATBD   030FIGURK4EA0EE B 010TF                    01330050    + 02000                                 A JS
        SUSAP KMSYK4FR10-Y R      010FIGURK4EA0E  I    IF                                 + 02000     18000                       A JS
        SUSAP KMSYK4FR10-Y R      020KUSTEK4EA1E  F 051TF                    10340072    + 02000                RW10  K4PGA  JS
        SUSAP KMSYK4FR10-Y R      020KUSTEK4EA2WALPV       ALNAV/VNAV ALNAV                                                        JS
        SUSAP KMSYK4FR10-Y R      021WEKTAK4EA0E S  031TF                    10340047    V 0046000475        -300                A JS
        SUSAP KMSYK4FR10-Y R      030RW10 K4PG0GY M 031TF                    10350013      00059             -300                A JS
        SUSAP KMSYK4FR10-Y R      040         0  M  010CA                    1035        + 00204                               A JS
        SUSAP KMSYK4FR10-Y R      050ZUBELK4EA0E    010DF                                                                       A JS
        SUSAP KMSYK4FR10-Y R      060SAFESK4EA0EY   010TF                    1921        + 02000                               A JS
        SUSAP KMSYK4FR10-Y R      070SAFESK4EA0EE  R020HM                    35440040    + 02000                               A JS
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CITY AND STATE	ELEVATION: 4 TDZE: 4	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10
NEW ORLEANS, LA	AIRPORT NAME: LOUIS ARMSTRONG NEW ORLEANS INTL	RNAV	RNAV (GPS) Y RWY 10, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				DATED: 08/28/2008

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

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSYK4GRW10     0101041035 N29594786W090165422+0000     -00249000040000057150I

            1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSYK4PR10-Y RW10 001Y0000W10A0N2959478600W09016542200-002490300N2959211700W0901503500010675000000550F400350B1F137EF
        SUSAP KMSYK4PR10-Y RW10 002E      +00013+00013LPV       61319

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSYK4SRW10 K4PG               0   18018003125                                                                M
```

CITY AND STATE	ELEVATION: 4 TDZE: 4	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10
NEW ORLEANS, LA	AIRPORT NAME: LOUIS ARMSTRONG NEW ORLEANS INTL	RNAV	RNAV (GPS) Y RWY 10, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				DATED: 08/28/2008

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SNAKI (IAF)	RAYOP (FB)	278.64 / 15.60	2000
WAVEZ (IAF)	RAYOP (FB)	177.20 / 6.82	2000
RAYOP (IF)	JASPO (FB)	193.51 / 6.05	2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW19

CLIMB TO 2000 DIRECT POLIY AND ON TRACK 106.03 TO SAFES AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 354.44 INBOUND.
CHART FAS OBST: 113 TOWER 300038N/0901418W
CHART FAS OBST: 138 T-L TWR 300237N/0901408W
DISTANCE TO THLD FROM 250 HAT: 0.63 NM.
CHART VDP AT 1.22 MILES TO RW19* *LNAV ONLY.
WAAS CHANNEL # 40007
REFERENCE PATH ID: W19A
CHART ASR.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT RAYOP
3. FAC: 193.50 FAF: JASPO DIST FAF TO MAP: 6.02 THLD: 6.02
4. MIN. ALT: RAYOP 2000, JASPO 2000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: JASPO 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR
8. MSA FROM: RW19 3100

MAG VAR: 2E 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	250	4000	250	250	4000	250	250	4000	250	250	4000	250			
LNAV/VNAV DA	413	1 1/2	413	413	1 1/2	413	413	1 1/2	413	413	1 1/2	413			
LNAV MDA	440	4000	440	440	4000	440	440	6000	440	440	1 1/2	440			
CIRCLING	520	1	516	520	1	516	520	1 1/2	516	580	2	576			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS AND LNAV CAT C.
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

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 4 TDZE: 0	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 19
NEW ORLEANS, LA	AIRPORT NAME: LOUIS ARMSTRONG NEW ORLEANS INTL	RNAV	RNAV (GPS) Y RWY 19, AMDT 2	AMDT: 1
			23 SEP 2010	DATED 03/17/2005

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport 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 SNAKI ON V20-114 EASTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WAVEZ ON V455 NORTHEAST BOUND AND ON V9-543 NORTHBOUND.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 4 TDZE: 0 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 19
NEW ORLEANS, LA	LOUIS ARMSTRONG NEW ORLEANS INTL	RNAV	RNAV (GPS) Y RWY 19, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 03/17/2005

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSY
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	300010.9900N
LTP/FTP LONGITUDE	0901443.8400W
LTP/FTP ELLIPSOIDAL HEIGHT	-00268
FPAP LATITUDE	295844.9100N
FPAP LONGITUDE	0901511.2200W
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	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	2E2B8DD5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	-00005
FPAP ORTHOMETRIC HEIGHT	-00005

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 4 TDZE: 0	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 19
NEW ORLEANS, LA	AIRPORT NAME: LOUIS ARMSTRONG NEW ORLEANS INTL	RNAV	RNAV (GPS) Y RWY 19, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 03/17/2005

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   JASPO K40    C     N30060000W090125267                    E0000     NAR          JASPO
        SUSAEAENRT   POLIY K40    W     N29512844W090172983                    E0001     NAR          POLIY
        SUSAEAENRT   RAYOP K40    C     N30115054W090110079                    E0000     NAR          RAYOP
        SUSAEAENRT   SAFES K40    C   L N29490330W090085940                    E0000     NAR          SAFES
        SUSAEAENRT   SNAKI K40    C   L N30085852W089531949                    W0002     NAR          SNAKI
        SUSAEAENRT   WAVEZ K40    C   L N30184078W090110736                    E0000     NAR          WAVEZ

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSYK4AMSY     0      101YHN29593620W090152890E002000004         1800018000C    MNAR    LOUIS ARMSTRONG NEW ORLEANS IN

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSYK4FR19-Y ASNAKI 010SNAKIK4EA0E  A    IF                                          18000                A JS
        SUSAP KMSYK4FR19-Y ASNAKI 020RAYOPK4EA0EE B 010TF                    27860156    + 02000                      A JS
        SUSAP KMSYK4FR19-Y AWAVEZ 010WAVEZK4EA0E  A    IF                                          18000                A JS
        SUSAP KMSYK4FR19-Y AWAVEZ 020RAYOPK4EA0EE B 010TF                    17720068    + 02000                      A JS
        SUSAP KMSYK4FR19-Y R      010RAYOPK4EA0E  I    IF                                + 02000   18000                A JS
        SUSAP KMSYK4FR19-Y R      020JASPOK4EA1E  F 051TF                    19350061    + 02000             RW19  K4PGA JS
        SUSAP KMSYK4FR19-Y R      020JASPOK4EA2WALPV      ALNAV/VNAV ALNAV                                                JS
        SUSAP KMSYK4FR19-Y R      030RW19 K4PG0GY M 031TF                    19350060      00050          -300          A JS
        SUSAP KMSYK4FR19-Y R      040         0  M  010CA                    1935        + 00250                      A JS
        SUSAP KMSYK4FR19-Y R      050POLIYK4EA0E    010DF                                                            A JS
        SUSAP KMSYK4FR19-Y R      060SAFESK4EA0EY   010TF                    1060        + 02000                      A JS
        SUSAP KMSYK4FR19-Y R      070SAFESK4EA0EE  R020HM                    35440040    + 02000                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSYK4GRW19    0070011935 N30001099W090144384+0100     -00268-0002000052150R
```

CITY AND STATE	ELEVATION: 4 TDZE: 0	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 19
NEW ORLEANS, LA	AIRPORT NAME: LOUIS ARMSTRONG NEW ORLEANS INTL	RNAV	RNAV (GPS) Y RWY 19, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 03/17/2005

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
      ------------------------------------------------------------------------------------------------------------------------
      SUSAP KMSYK4PR19-Y RW19 001Y0000W19A0N3000109900W09014438400-00268030ON2958449100W090151122001067506160005 20F4005002E2B8DD5
      SUSAP KMSYK4PR19-Y RW19 002E      -00005-00005LPV       40007

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
      ------------------------------------------------------------------------------------------------------------------------
      SUSAP KMSYK4SRW19 K4PG              0   18018003125                                                              M
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CITY AND STATE	ELEVATION: 4 TDZE: 0	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 19
NEW ORLEANS, LA	AIRPORT NAME: LOUIS ARMSTRONG NEW ORLEANS INTL	RNAV	RNAV (GPS) Y RWY 19, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 03/17/2005

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TBD VORTAC (IAF)	FIGUR (TF) (FB) (RNP 1.00)	031.93/28.23	2000
RQR VOR/DME (IAF)	FIGUR (TF) (FB) (RNP 0.90)	118.74/3.77	2000
FIGUR (IF)	KUSTE (TF) (FB) (RNP 0.90)	103.35/7.23	2000
KUSTE (FAF)	RW10 (TF) (FO)	103.41/5.99	
RW10 (MAP)	ZUBEL (TF) (FB) (RNP 1.00)	103.47/9.27	
ZUBEL	SAFES (TF) (FO) (RNP 1.00)	192.08/8.49	2000

MISSED APPROACH

MAP: DA

CLIMB TO 2000 ON TRACK 103.47 TO ZUBEL AND TRACK 192.08 TO SAFES AND HOLD (MAINTAIN 225 KTS TO ZUBEL).

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 354.44 INBOUND.
CHART FAS OBST: 52 ROD 295958N/0901722W
CHART FAS OBST: 65 TREE 295957N/0901736W
DISTANCE TO THLD FROM 287 HAT: 0.73 NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 59.2 MSL (DO NOT CHART)
CHART ASR.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT FIGUR
3. FAC: 103.41 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: FIGUR 2000, KUSTE 2000
5. DIST TO THLD FROM OM: 5.99 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: KUSTE 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0# 34:1 IS CLEAR
8. MSA FROM: RW10 3100

MAG VAR: 2E EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: | 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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.14 DA	291	2400	287	291	2400	287	291	2400	287	291	2400	287			
RNP 0.30 DA	344	4000	340	344	4000	340	344	4000	340	344	4000	340			

NOTES:
CHART NOTE: GPS REQUIRED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -1C (30F) OR ABOVE 49C (120F).
CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE RNP 0.14 VISIBILITY ALL CATS TO RVR 5000 AND INCREASE RNP 0.30
(CONT'D PAGE 2)

CITY AND STATE	ELEVATION: 4 TDZE: 4 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NEW ORLEANS, LA	LOUIS ARMSTRONG NEW ORLEANS INTL.	RNAV	23 SEP 2010 RNAV (RNP) Z RWY 10, ORIG	AMDT: NONE 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.

NOTES (CONT'D)

VISIBILITY ALL CATS TO RVR 6000.

CHART PLANVIEW NOTE AT RQR VOR/DME, TBD VORTAC: (RNP 0.90).

CHART PLANVIEW NOTE AT ZUBEL: MAX 225 KIAS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON RQR VOR/DME AIRWAY RADIALS 055 CW 082 AND AT TBD VORTAC ON V198-552 WESTBOUND.

CITY AND STATE	ELEVATION: 4 TDZE: 4 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NEW ORLEANS, LA	LOUIS ARMSTRONG NEW ORLEANS INTL	RNAV	23 SEP 2010 RNAV (RNP) Z RWY 10, ORIG	AMDT: NONE DATED:

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SNAKI (IAF)	RAYOP (TF) (FB) (RNP 1.00)	278.64/15.60	2000
WAVEZ (IAF)	RAYOP (TF) (FB) (RNP 1.00)	177.20/6.82	2000
RAYOP (IF)	JASPO (TF) (FB) (RNP 0.80)	193.51/6.05	2000
JASPO (FAF)	RW19 (TF) (FO)	193.50/6.02	
RW19 (MAP)	POLIY (TF) (FB) (RNP 1.00)	193.48/9.01	
POLIY	SAFES (TF) (FO) (RNP 1.00)	106.03/7.78	2000

MISSED APPROACH

MAP: DA

CLIMB TO 2000 ON TRACK 193.48 TO POLIY AND TRACK 106.03 TO SAFES AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 354.44 INBOUND.
CHART FAS OBST: 113 TOWER 300038N/0901418W
DISTANCE TO THLD FROM 397 HAT: 1.09 NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 50.3 MSL (DO NOT CHART)
CHART ASR.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT RAYOP
3. FAC: 193.50 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: RAYOP 2000, JASPO 2000
5. DIST TO THLD FROM OM: 6.02 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: JASPO 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.0# 34:1 IS NOT CLEAR
8. MSA FROM: RW19 3100

MAG VAR: 2E 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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.26 DA	397	5000	397	397	5000	397	397	5000	397	397	5000	397			
RNP 0.30 DA	413	6000	413	413	6000	413	413	6000	413	413	6000	413			

NOTES:
CHART NOTE: GPS REQUIRED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -1C (30F) OR ABOVE 49C (120F).
CHART NOTE: FOR INOPERATIVE MALS, INCREASE RNP 0.26 AND RNP 0.30 VISIBILITY ALL CATS TO 1 1/2.
(CONT'D PAGE 2)

CITY AND STATE	ELEVATION: 4 TDZE: 0 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NEW ORLEANS, LA	LOUIS ARMSTRONG NEW ORLEANS INTL	RNAV	23 SEP 2010 RNAV (RNP) Z RWY 19, ORIG	AMDT: NONE 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.

NOTES (CONT'D)

CHART PLANVIEW NOTE AT WAVEZ, SNAKI: (RNP 0.80).

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WAVEZ ON V455 NORTHEAST BOUND AND ON V9-543 NORTHBOUND, AND AT SNAKI ON V20-114 EASTBOUND AND ON V552 NORTHEAST BOUND.

CITY AND STATE	ELEVATION: 4 TDZE: 0 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NEW ORLEANS, LA	LOUIS ARMSTRONG NEW ORLEANS INTL	RNAV	23 SEP 2010 RNAV (RNP) Z RWY 19, ORIG	AMDT: NONE DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC PACKET - 424-18 - RNAV (RNP)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   JASPO K40    C     N30060000W090125267                    E0001     NAR           JASPO
          SUSAEAENRT   POLIY K40    W     N29512844W090172983                    E0001     NAR           POLIY
          SUSAEAENRT   RAYOP K40    C     N30115054W090110079                    E0000     NAR           RAYOP
          SUSAEAENRT   SAFES K40    C   L N29490330W090085940                    E0000     NAR           SAFES
          SUSAEAENRT   SNAKI K40    C   L N30085852W089531949                    W0002     NAR           SNAKI
          SUSAEAENRT   WAVEZ K40    C   L N30184078W090110736                    E0000     NAR           WAVEZ

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMSYK4AMSY     0     101YHN29593520W090152890E002000004         1800018000C    MNAR    LOUIS ARMSTRONG NEW ORLEANS IN

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMSYK4FR19-Z ASNAKI 010SNAKIK4EA0E  A    IF                                          18000                A PS
          SUSAP KMSYK4FR19-Z ASNAKI 020RAYOPK4EA0EE B 010TF                  27860156    + 02000                          A PS
          SUSAP KMSYK4FR19-Z AWAVEZ 010WAVEZK4EA0E  A    IF                                          18000                A PS
          SUSAP KMSYK4FR19-Z AWAVEZ 020RAYOPK4EA0EE B 010TF                  17720068    + 02000                          A PS
          SUSAP KMSYK4FR19-Z R      010RAYOPK4EA0E  I    IF                              + 02000     18000                A PS
          SUSAP KMSYK4FR19-Z R      020JASPOK4EA1E  F 081TF                  19350061    + 02000                RW19  K4PGA PS
          SUSAP KMSYK4FR19-Z R      020JASPOK4EA2W                                          A031A262                       PS
          SUSAP KMSYK4FR19-Z R      030RW19 K4PG0GY M 031TF                  19350060      00050          -300          A PS
          SUSAP KMSYK4FR19-Z R      040POLIYK4EA0E M  010TF                  19350090                                   A PS
          SUSAP KMSYK4FR19-Z R      050SAFESK4EA0EY   010TF                  10600078    + 02000                        A PS
          SUSAP KMSYK4FR19-Z R      060SAFESK4EA0EE  R020HM                  35440040    + 02000                        A PS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMSYK4GRW19    0070011935 N30001099W090144384+0100    -00268-0002000052150R

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMSYK4SRW19 K4PG              0   18018003125                                                              M
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CITY AND STATE	ELEVATION: 4 TDZE: 0	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NEW ORLEANS, LA	AIRPORT NAME: **LOUIS ARMSTRONG NEW ORLEANS INTL**	**RNAV**	**RNAV (RNP) Z RWY 19, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HRV VORTAC (IAF)	HELMT (TF) (FB) (RNP 1.00)	330.61/6.22	3000
HELMT (IF)	ZUTAT (TF) (FB) (RNP 1.00)	283.59/6.01	1500
ZUTAT (FAF)	RW28 (TF) (FO)	283.53/4.48	
RW28 (MAP)	LETSE (TF) (FB) (RNP 1.00)	283.49/4.43	
LETSE	RQR VOR/DME (TF) (FO) (RNP 1.00)	287.52/14.07	3000

MISSED APPROACH

MAP: DA

CLIMB TO 3000 ON TRACK 283.49 TO LETSE AND ON TRACK 287.52 TO RQR VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 093.00 INBOUND.
CHART FAS OBST: 100 TREE 295913N/0901427W
DISTANCE TO THLD FROM 365 HAT: 0.98 NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 54.1 MSL (DO NOT CHART)
CHART ASR.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HELMT
3. FAC: 283.53 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: HELMT 3000, ZUTAT 1500
5. DIST TO THLD FROM OM: 4.48 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1500 GS ALT AT: ZUTAT 1500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.1# 34:1 IS NOT CLEAR
8. MSA FROM: RW28 3100

MAG VAR: 2E 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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30 DA	368	4000	365	368	4000	365	368	4000	365	368	4000	365			

NOTES:
CHART NOTE: GPS REQUIRED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -1C (30F) OR ABOVE 48C (119F).
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.30 VISIBILITY ALL CATS TO RVR 6000.
(CONT'D PAGE 2)

CITY AND STATE	ELEVATION: 4 TDZE: 3 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NEW ORLEANS, LA	LOUIS ARMSTRONG NEW ORLEANS INTL	RNAV	23 SEP 2010 RNAV (RNP) Z RWY 28, ORIG	AMDT: NONE 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.

NOTES (CONT'D)

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HRV VORTAC AIRWAY RADIALS 254 CW 063.

CITY AND STATE	ELEVATION: 4 TDZE: 3 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NEW ORLEANS, LA	**LOUIS ARMSTRONG NEW ORLEANS INTL**	**RNAV**	23 SEP 2010 **RNAV (RNP) Z RWY 28, ORIG**	AMDT: **NONE** DATED:

ARINC PACKET - 424-18 - RNAV (RNP)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        HRV   K4011410VTHW N29510070W090001074    N29510070W090001074E0020000022     NARHARVEY
        SUSAD        RQR   K4011080VDLW N30051500W090351905    N30051500W090351905E0020000051     NARRESERVE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   HELMT K40    C     N29563289W090032842                    E0000     NAR          HELMT
        SUSAEAENRT   LETSE K40    W     N30003299W090200165                    E0001     NAR          LETSE
        SUSAEAENRT   ZUTAT K40    C     N29580984W090100830                    E0000     NAR          ZUTAT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSYK4AMSY     0     101YHN29593620W090152890E002000004         1800018000C    MNAR    LOUIS ARMSTRONG NEW ORLEANS IN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSYK4FR28-Z AHRV   010HRV  K4D 0V  A    IF                                                  18000                A PS
        SUSAP KMSYK4FR28-Z AHRV   020HELMTK4EA0EE B 010TF                    33060062    + 03000                                 A PS
        SUSAP KMSYK4FR28-Z R      010HELMTK4EA0E  I    IF                               + 03000     18000                       A PS
        SUSAP KMSYK4FR28-Z R      020ZUTATK4EA1E  F 010TF                    28360060    + 01500                 RW28  K4PGA PS
        SUSAP KMSYK4FR28-Z R      020ZUTATK4EA2W                                          A031                              PS
        SUSAP KMSYK4FR28-Z R      030RW28 K4PG0GY M 031TF                    28350045      00054           -300              A PS
        SUSAP KMSYK4FR28-Z R      040LETSEK4EA0E M  010TF                    28350044                                        A PS
        SUSAP KMSYK4FR28-Z R      050RQR  K4D 0VY   010TF                    28750141    + 03000                             A PS
        SUSAP KMSYK4FR28-Z R      060RQR  K4D 0VE   R020HM                   09300040    + 03000                             A PS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSYK4GRW28     0101042835 N29592197W090150683+0000     -00255000020304521501

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSYK4SRW28 K4PG                0   18018003125                                                                    M
```

SURFACE & GROUND

CITY AND STATE	ELEVATION: 4 TDZE: 3	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NEW ORLEANS, LA	AIRPORT NAME: **LOUIS ARMSTRONG NEW ORLEANS INTL**	**RNAV**	**RNAV (RNP) Z RWY 28, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. 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 10, 22, 28, 15R, 15L, 33L STANDARD.

RWY 33R, STANDARD WITH MINIMUM CLIMB OF 251 FEET PER NM TO 2000.

RWY 4, 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 210 FEET PER NM TO 500, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1300 FT PRIOR TO DER.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 4 - CLIMB HEADING 044.19 TO 800 BEFORE TURNING LEFT.

RWY 28 - CLIMB HEADING 285.22 TO 900 BEFORE TURNING RIGHT.

RWY 33L - CLIMB HEADING 320.21 TO 2000 BEFORE TURNING RIGHT.

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 10: BUILDING 52' FROM DER, 319' LEFT OF CENTERLINE, 13' AGL/133' MSL. NOTE: RWY 15R: TREES BEGINNING 1,144' FROM DER, 740' RIGHT OF CENTERLINE, UP TO 53' AGL/172' MSL. NOTE: RWY 15L: TREES BEGINNING 648' FROM DER, 619' LEFT OF CENTERLINE, UP TO 68' AGL/167' MSL. LIGHT ON POLE 921' FROM DER, 618 FEET LEFT OF CENTERLINE, 62' AGL/161' MSL. NOTE: RWY 28: TREE 1,392' FROM DER, 736' LEFT OF CENTERLINE, 77' AGL/176' MSL. NOTE: RWY 33R: TREES BEGINNING 2,925' FROM DER, 321' LEFT OF CENTERLINE, UP TO 70' AGL/289' MSL. TREES BEGINNING 975' FROM DER, 116' RIGHT OF CENTERLINE, UP TO 83' AGL/262' MSL.

(4) CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 4, 28, 33L - 1,437 MSL ROD ON OL TOWER 391641.69N/0764502.70W. RWY 4: 338 MSL TANK 391205.00N/0763907.00W.

RWY 33R: 1437 MSL ROD ON OL TOWER, 391641.69N/0764502.70W



(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
BALTIMORE, MD	BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL	23 SEP 2010	9

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: (CONTINUED)

LIGHT ON POLE 2,384' FROM DER, 837' RIGHT OF CENTERLINE, 55' AGL/254' MSL. LIGHT ON POLE 2,736' FROM DER, 247' RIGHT OF CENTERLINE, 17' AGL/216' MSL. POLE 3,781' FROM DER, 370' RIGHT OF CENTERLINE, 40' AGL/242' MSL. BUILDING 998' FROM DER, 654' LEFT OF CENTERLINE, 24' AGL/183' MSL. SIGNAL 2,453 FROM DER, 904' LEFT OF CENTERLINE, 45' AGL/204' MSL. LIGHT ON POLE 3,869' FROM DER, 603' LEFT OF CENTERLINE, 72' AGL/251' MSL. NOTE: RWY33L: FENCE 203' FROM DER, 517' RIGHT OF CENTERLINE, 9' AGL/149' MSL. TREE 2,250' FROM DER, 843' RIGHT OF CENTERLINE, 66' AGL/205' MSL. MICROWAVE ANTENNA ON BUILDING, 4,725' FROM DER, 907' RIGHT OF CENTERLINE, 126' AGL/265' MSL. BUILDING 4,693' FROM DER, 874' RIGHT OF CENTERLINE, 127' AGL/266' MSL. BUILDING-TOWER 4,734' FROM DER, 922' RIGHT OF CENTERLINE, 140' AGL/260' MSL. NOTE: RWY 22: LIGHT POLES BEGINNING 213' FROM DER, 365' LEFT OF CENTERLINE, UP TO 30'AGL/189' MSL. NOTE: RWY 4: ROD ON LIGHTED POLE 1,921' FROM DER, 329' RIGHT OF CENTERLINE, 58' AGL/197 ' MSL. LIGHT ON POLE 2,177' FROM DER, 294' LEFT OF CENTERLINE, 58' AGL/197' MSL. LIGHT ON POLE 1,755' FROM DER, 482' RIGHT OF CENTERLINE, 47' AGL/186' MSL. TREE 2,370' FROM DER, 481' RIGHT OF CENTERLINE, 60' AGL/199' MSL. TANK 1.2 NM FROM DER, 2,274' LEFT OF CENTERLINE, 173' AGL/338' MSL.

City, State	Airport	Effective Date	Amdt. No.
BALTIMORE, MD	**BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL**	23 SEP 2010	**9**

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

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC: ____ FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT:
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT:
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 22 TDZE: 15	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS RWY 33
BALTIMORE, MD	AIRPORT NAME: MARTIN STATE	I-MTN	ILS OR LOC RWY 33, AMDT 7, 08/30/2007	AMDT: 6
				DATED 10/05/2000

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

LDA - STANDARD INSTRUMENT APPROACH PROCEDURE 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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BAL VORTAC	JUGMO INT/I-MTN 12.28 DME	100.12 / 20.49	2000
ENO VORTAC	JUGMO INT/I-MTN 12.28 DME	273.39 / 33.11	2000
JUGMO INT/I-MTN 12.28 DME (IF/IAF)	CINDI INT/I-MTN 6.18 DME	326.18 / 6.10 (I-MTN)	2000

MISSED APPROACH

LDA/GS: DA
LDA: 6.00 MILES AFTER CINDI INT/6.18 DME OR AT I-MTN 0.19 DME FIX

CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2000 ON HEADING 146 AND BAL VORTAC R-100 TO JUGMO INT/12.28 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 102 TREE 391848N/0762342W
CHART 4001A/B.
CHART WASHINGTON-TRI AREA CLASS B AIRSPACE.
CHART WASHINGTON METROPOLITAN ADIZ.
CHART IN PLANVIEW: LDA/GLIDE SLOPE.
CHART: APT ELEV 21.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE JUGMO, LT, 326.18 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 326.18 FAF: CINDI INT/I-MTN 6.18 DME DIST FAF TO MAP: 6.00 THLD: 6.00
4. MIN. ALT: JUGMO 2000, CINDI 2000
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 907
6. MIN GS INCPT: 2000 GS ALT AT: CINDI INT/I-MTN 6.18 DME 2000 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 48.7
8. MSA FROM: BAL VORTAC 180-270 2100, 270-180 2600

MAG VAR: 11W 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
S-LDA/GS 33	264	1	250	264	1	250	264	1	250	264	1	250			
S-LDA 33	380	1	366	380	1	366	380	1	366	380	1 1/4	366			
CIRCLING	520	1	499	520	1	499	520	1 1/2	499	680	2	659			

NOTES:
CHART NOTE: RADAR REQUIRED.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE: SAILBOATS TRANSITIONING FROG MORTAR CREEK BETWEEN THE FAF AND LANDING RUNWAY.
SEE 8260-10

@ NA WHEN CONTROL TOWER CLOSED.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 21 TDZE: 14	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BALTIMORE, MD	AIRPORT NAME: MARTIN STATE	I-MTN	LDA RWY 33, ORIG 23 SEP 2010	AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LDA - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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 NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL ALTIMETER SETTING AND RAISE ALL MDA 60 FEET AND RAISE S-LDA 33 CAT C AND CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: CLEARANCE THROUGH R-4001 A/B MUST BE OBTAINED BEFORE USING THIS APPROACH.



CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
BALTIMORE, MD	**ELEVATION: 21 TDZE: 14** AIRPORT NAME: **MARTIN STATE**	**I-MTN**	**LDA RWY 33, ORIG** 23 SEP 2010	SUP: AMDT: **NONE** DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MKG VORTAC	GUTPE INT/I-CJH 13.58 DME	016.21 / 7.20	3000
HIC VOR/DME (IAF)	GUTPE INT/ 13.58 DME (NOPT)	216.26 / 21.27	3000
GUTPE INT/ 13.58 DME (IF/IAF)	ONTUE INT/I-CJH 7.48 DME	240.39 / 6.10 (I-CJH)	2700

MISSED APPROACH

ILS: DA
LOC: 6.23 MILES AFTER ONTUE INT/7.48 DME OR AT I-CJH 1.25 DME FIX

CLIMB TO 2500 THEN LEFT TURN DIRECT MKG VORTAC AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: ALTERNATE MA: CLIMB TO 2500 THEN CLIMBING RIGHT TURN TO 3000 DIRECT HIC VOR/DME AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE GUTPE, RT, 240.39 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 240.39 FAF: ONTUE INT/I-CJH 7.48 DME DIST FAF TO MAP: 6.23 THLD: 6.23
4. MIN. ALT: GUTPE 3000, ONTUE 2700, PEEPL INT/ 2.75 DME 1160*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1087
6. MIN GS INCPT: 2700 GS ALT AT: ONTUE 2700 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 56.0
8. MSA FROM: MKG VORTAC 350-180 2900, 180-350 2300

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 270.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW HIC VOR/DME, RT, 047.00 INBOUND.
CHART FAS OBST: 709 TREE 431035N/0861334W
CHART: ASR
CHART VDP AT 2.11 DME*
DISTANCE VDP TO THLD 0.86 MILES.
*LOC ONLY.
CHART IN PLANVIEW: HIC VOR/DME.
CHART IN PLANVIEW: USE OF HIC R-216 AND MKG R-016 MAY BE NECESSARY TO LOCATE GUTPE

MAG VAR: 4W EPOCH YEAR: 1995

MINIMUMS

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

CATEGORY ====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 24	827	1/2	200	827	1/2	200	827	1/2	200	827	1/2	200			
S-LOC 24	1160	1/2	533	1160	1/2	533	1160	1	533	1160	1 1/4	533			
CIRCLING	1160	1	531	1160	1	531	1160	1 1/2	531	1180	2	551			
PEEPL FIX MINIMUMS															
S-LOC 24	960	1/2	333	960	1/2	333	960	1/2	333	960	3/4	333			
CIRCLING	1080	1	451	1080	1	451	1140	1 1/2	511	1180	2	551			

NOTES:
*1240 WHEN USING FREMONT ALTIMETER SETTING.
CHART NOTE: VDP NA WITH FREMONT ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FREMONT ALTIMETER SETTING AND INCREASE ALL DA 65 FEET AND ALL MDA 80 FEET. INCREASE S-LOC 24 CATS C/D AND CIRCLING CAT C VISIBILITY 1/4 (SEE FORM 8260-10)

@ NA WHEN CONTROL TOWER CLOSED.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE

QUALITY CHECKED

CITY AND STATE	ELEVATION: 629 TDZE: 627	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS RWY 24
MUSKEGON, MI	AIRPORT NAME: MUSKEGON COUNTY	I-CJH	ILS OR LOC RWY 24, AMDT 5	AMDT: 4
			23 SEP 2010	DATED 11/28/2002

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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

NOTES, (CONT.):
MILE. PEEPL FIX MINIMUMS: INCREASE S-LOC 24 CAT C VISIBILITY 1/4 MILE.
CHART NOTE: PEEPL FIX MINIMUMS: FOR INOPERATIVE MALSR, INCREASE S-LOC 24 CAT D VISIBILITY TO 1 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING FREMONT ALTIMETER SETTING; INCREASE S-ILS 24 VISIBILITY TO 1 MILE ALL CATS.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 629 TDZE: 627	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: ILS RWY 24
MUSKEGON, MI	AIRPORT NAME: **MUSKEGON COUNTY**	**I-CJH**	**ILS OR LOC RWY 24, AMDT 5** 23 SEP 2010	AMDT: 4
				DATED: 11/28/2002

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MKG VORTAC	HITPO (FO)	254.46 / 19.73	3000
SALES (IAF)	HITPO (NOPT) (FB)	001.19 / 26.22	3000
WASOG (IAF)	HITPO (NOPT) (FB)	080.36 / 6.40	3000
HITPO (IF/IAF)	WEGUN (FB)	060.24 / 6.10	2300

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW06

CLIMB TO 3000 DIRECT ONPIE AND ON TRACK 102.33 TO MKG VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 270.00 INBOUND.
CHART FAS OBST: 834 TOWER 430851N/0861701W
CHART FAS OBST: 762 TOWER 430956N/0861547W
CHART: ASR
DISTANCE TO THLD FROM 303 HAT: 0.82 NM.
WAAS CHANNEL # 56618
REFERENCE PATH ID: W06A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW HITPO, RT, 060.24 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 060.31 FAF: WEGUN DIST FAF TO MAP: 5.06 THLD: 5.06
4. MIN. ALT: HITPO 3000, WEGUN 2300
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2300 GS ALT AT: WEGUN 2300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM: RW06 2900

MAG VAR: 4W 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	926	1	303	926	1	303	926	1	303	926	1	303			
LNAV/VNAV DA	1173	2	550	1173	2	550	1173	2	550	1173	2	550			
LNAV MDA	1100	1	477	1100	1	477	1100	1 1/4	477	1100	1 1/2	477			
CIRCLING	1100	1	471	1100	1	471	1140	1 1/2	511	1180	2	551			

NOTES:
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
CHART NOTE: BARO-VNAV NA WHEN USING FREMONT 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.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 629 TDZE: 623	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MUSKEGON, MI	AIRPORT NAME: MUSKEGON COUNTY	RNAV	RNAV (GPS) RWY 6, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED 11/28/2002

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: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FREMONT ALTIMETER SETTING AND INCREASE ALL DA 65 FEET AND ALL MDA 80 FEET. INCREASE LPV, LNAV/VNAV ALL CATS AND LNAV CATS C/D VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MKG VORTAC AIRWAY RADIALS 209 CW 313.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 629 TDZE: 623	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MUSKEGON, MI	AIRPORT NAME: MUSKEGON COUNTY	RNAV	RNAV (GPS) RWY 6, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 11/28/2002

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMKG
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	430941.8725N
LTP/FTP LONGITUDE	0861503.1855W
LTP/FTP ELLIPSOIDAL HEIGHT	+01556
FPAP LATITUDE	431031.2000N
FPAP LONGITUDE	0861321.7900W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	080425D4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01893
FPAP ORTHOMETRIC HEIGHT	+01893

QUALITY CHECKED

CITY AND STATE	ELEVATION: 629 TDZE: 623	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MUSKEGON, MI	AIRPORT NAME: MUSKEGON COUNTY	RNAV	RNAV (GPS) RWY 6, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 11/28/2002

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAD        MKG   K5011520VTLA N43100931W086022176    N43100931W086022176W0010006591     NARMUSKEGON

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   HITPO K50    C     N43033034W086274377                    W0047     NAR          HITPO
       SUSAEAENRT   ONPIE K50    W     N43111154W086115879                    W0050     NAR          ONPIE
       SUSAEAENRT   SALES K50    C   L N42371879W086255865                    W0046     NAR          SALES
       SUSAEAENRT   WASOG K50    C   L N43020006W086361299                    W0046     NAR          WASOG
       SUSAEAENRT   WEGUN K50    W     N43065361W086204831                    W0048     NAR          WEGUN

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KMKGK5AMKG     0     064YHN43100360W086140720W004000629          1800018000C    MNAR     MUSKEGON COUNTY

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KMKGK5FR06   AMKG    010MKG  K5D 0V       IF                                          18000                A JS
       SUSAP KMKGK5FR06   AMKG    020HITPOK5EA0EY   020TF                    25450197    + 03000                       A JS
       SUSAP KMKGK5FR06   AMKG    030HITPOK5EA0EE AR   HF                    06020040    + 03000                       A JS
       SUSAP KMKGK5FR06   ASALES  010SALESK5EA0E  A    IF                                          18000                A JS
       SUSAP KMKGK5FR06   ASALES  020HITPOK5EA0EE B 010TF                    00120262    + 03000                       A JS
       SUSAP KMKGK5FR06   AWASOG  010WASOGK5EA0E  A    IF                                          18000                A JS
       SUSAP KMKGK5FR06   AWASOG  020HITPOK5EA0EE B 010TF                    08040064    + 03000                       A JS
       SUSAP KMKGK5FR06   R       010HITPOK5EA0E  I    IF                                + 03000   18000                A JS
       SUSAP KMKGK5FR06   R       020WEGUNK5EA1E  F 051TF                    06020061    + 02300                RW06  K5PGA JS
       SUSAP KMKGK5FR06   R       020WEGUNK5EA2WALPV       ALNAV/VNAV ALNAV                                                JS
       SUSAP KMKGK5FR06   R       030RW06 K5PG0GY M 031TF                    06030051      00666          -300          A JS
       SUSAP KMKGK5FR06   R       040         0  M  010CA                    0603        + 00926                       A JS
       SUSAP KMKGK5FR06   R       050ONPIEK5EA0E    010DF                                                             A JS
       SUSAP KMKGK5FR06   R       060MKG  K5D 0VY    010TF                    1023        + 03000                       A JS
       SUSAP KMKGK5FR06   R       070MKG  K5D 0VE  R020HM                    27000040    + 03000                       A JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 629 TDZE: 623	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MUSKEGON, MI	AIRPORT NAME: MUSKEGON COUNTY	RNAV	RNAV (GPS) RWY 6, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 11/28/2002

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKGK5GRW06    0064990604 N43094187W086150319+0100    +0155600621000045150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKGK5PR06    RW06 001 0000W06A0N4309418725W08615031855+015560300N4310312000W086132179001067507680004 50F400500080425D4
        SUSAP KMKGK5PR06    RW06 002E       +01893+01893LPV        56618

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKGK5SRW06 K5PG               0    18018002925                                                                M
```

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 629 TDZE: 623	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MUSKEGON, MI	AIRPORT NAME: MUSKEGON COUNTY	RNAV	RNAV (GPS) RWY 6, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 11/28/2002

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MKG VORTAC	GUTPE (FO)	019.21 / 7.20	3000
BULLY	GUTPE (FO)	062.60 / 26.63	3000
HIC VOR/DME (IAF)	GUTPE (NOPT) (FB)	219.26 / 21.27	3000
GUTPE (IF/IAF)	ONTUE (FB)	240.55 / 6.10	2700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW24

CLIMB TO 3000 DIRECT HITPO AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 060.24 INBOUND.
CHART FAS OBST: 709 TREE 431035N/0861334W
FAS OBST: 864 AAO 431301N/0860803W
CHART: ASR
DISTANCE TO THLD FROM 200 HAT: 0.45 NM.
CHART VDP AT 1.43 MILES TO RW24* *LNAV ONLY.
WAAS CHANNEL # 42918
REFERENCE PATH ID: W24A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE GUTPE, RT, 240.55 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 240.47 FAF: ONTUE DIST FAF TO MAP: 6.23 THLD: 6.23
4. MIN. ALT: GUTPE 3000, ONTUE 2700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: ONTUE 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 56.0 34:1 IS CLEAR
8. MSA FROM: RW24 2900

MAG VAR: 4W 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	827	1/2	200	827	1/2	200	827	1/2	200	827	1/2	200			
LNAV/VNAV DA	1076	1	449	1076	1	449	1076	1	449	1076	1	449			
LNAV MDA	1140	1/2	513	1140	1/2	513	1140	1	513	1140	1 1/4	513			
CIRCLING	1140	1	511	1140	1	511	1140	1 1/2	511	1180	2	551			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 48C (118F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FREMONT ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FREMONT ALTIMETER SETTING AND INCREASE
SEE 8260-10

QUALITY CHECKED

CITY AND STATE	ELEVATION: 629 TDZE: 627	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MUSKEGON, MI	AIRPORT NAME: MUSKEGON COUNTY	RNAV	RNAV (GPS) RWY 24, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				DATED 07/06/2006

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

NOTES CONT.

ALL DA 65 FEET AND ALL MDA 80 FEET. INCREASE LNAV/VNAV VISIBILITY ALL CATS 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING FREMONT ALTIMETER SETTING: INCREASE LPV VISIBILITY TO 1 MILE ALL CATS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MKG VORTAC AIRWAY RADIALS 328 CW 076 AND HIC VOR/DME AIRWAY RADIALS 169 CW 211.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 629 TDZE: 627	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MUSKEGON, MI	AIRPORT NAME: MUSKEGON COUNTY	RNAV	RNAV (GPS) RWY 24, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				DATED: 07/06/2006

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMKG
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	431017.4120N
LTP/FTP LONGITUDE	0861350.1630W
LTP/FTP ELLIPSOIDAL HEIGHT	+01572
FPAP LATITUDE	430941.8600N
FPAP LONGITUDE	0861503.2200W
THRESHOLD CROSSING HEIGHT (TCH)	00056.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D283DBC2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01910
FPAP ORTHOMETRIC HEIGHT	+01910



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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        HIC   K5011760VDL  N43342947W085425818    N43342947W085425818W0010009201     NARWHITE CLOUD
        SUSAD        MKG   K5011520VTLA N43100931W086022176    N43100931W086022176W0010006591     NARMUSKEGON

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BULLY K50    C   L N43031767W086305409                    W0047     NAR          BULLY
        SUSAEAENRT   GUTPE K50    C     N43170614W085594663                    W0052     NAR          GUTPE
        SUSAEAENRT   HITPO K50    C     N43033034W086274377                    W0047     NAR          HITPO
        SUSAEAENRT   ONTUE K50    C     N43134406W086064451                    W0051     NAR          ONTUE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKGK5AMKG     0      064YHN43100360W086140720W004000629         1800018000C    MNAR    MUSKEGON COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKGK5FR24    ABULLY 010BULLYK5EA0E       IF                                          18000                A JS
        SUSAP KMKGK5FR24    ABULLY 020GUTPEK5EA0EY   020TF                    06260266    + 03000                      A JS
        SUSAP KMKGK5FR24    ABULLY 030GUTPEK5EA0EE AR   HF                    24060040    + 03000                      A JS
        SUSAP KMKGK5FR24    AHIC   010HIC  K5D 0V  A    IF                                          18000                A JS
        SUSAP KMKGK5FR24    AHIC   020GUTPEK5EA0EE B 010TF                    21930213    + 03000                      A JS
        SUSAP KMKGK5FR24    AMKG   010MKG  K5D 0V       IF                                          18000                A JS
        SUSAP KMKGK5FR24    AMKG   020GUTPEK5EA0EY   020TF                    01920072    + 03000                      A JS
        SUSAP KMKGK5FR24    AMKG   030GUTPEK5EA0EE AR   HF                    24060040    + 03000                      A JS
        SUSAP KMKGK5FR24    R      010GUTPEK5EA0E  I    IF                                + 03000    18000             A JS
        SUSAP KMKGK5FR24    R      020ONTUEK5EA1E  F 051TF                    24060061    + 02700              RW24  K5PGA JS
        SUSAP KMKGK5FR24    R      020ONTUEK5EA2WALPV       ALNAV/VNAV ALNAV                                            JS
        SUSAP KMKGK5FR24    R      030RW24 K5PG0GY M 031TF                    24050062      00683        -300          A JS
        SUSAP KMKGK5FR24    R      040         0  M  010CA                    2405        + 00827                    A JS
        SUSAP KMKGK5FR24    R      050HITPOK5EA0EY   010DF                              + 03000                      A JS
        SUSAP KMKGK5FR24    R      060HITPOK5EA0EE  R020HM                    06020040    + 03000                      A JS
```



CITY AND STATE	ELEVATION: 629 TDZE: 627	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MUSKEGON, MI	AIRPORT NAME: MUSKEGON COUNTY	RNAV	RNAV (GPS) RWY 24, AMDT 1 23 SEP 2010	AMDT: ORIG-A DATED: 07/06/2006

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMKGK5GRW24     0064992404 N43101741W086135016-0100     +01572006270000056150I

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMKGK5PR24    RW24 001 0000W24A0N4310174120W08613501630+015720300N4309418600W086150322001065000000000560F400350D283DBC2
          SUSAP KMKGK5PR24    RW24 002E       +01910+01910LPV        42918

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMKGK5SRW24 K5PG                0   18018002925                                                              M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 629 TDZE: 627	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MUSKEGON, MI	AIRPORT NAME: MUSKEGON COUNTY	RNAV	RNAV (GPS) RWY 24, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				DATED: 07/06/2006

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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, 20 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 20: CLIMB HEADING 201.79 TO 2100 BEFORE TURNING RIGHT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2, TREES, POLES, FENCE, ROAD, VEHICLE ON ROAD, AND BUILDINGS BEGINNING 77' FROM DER, 21' LEFT OF CENTERLINE, UP TO 83' AGL/1049' MSL. TREES, POLES, ANTENNA, ROAD, AND TERRAIN BEGINNING 41' FROM DER, 3' RIGHT OF CENTERLINE, UP TO 85' AGL/1045' MSL.

NOTE: RWY 20, TREES BEGINNING 50' FROM DER, 386' LEFT OF CENTERLINE, UP TO 76' AGL/956' MSL. TREES, POLES, VEHICLE ON ROAD, AND TERRAIN BEGINNING 92' FROM DER, 175' RIGHT OF CENTERLINE, UP TO 90' AGL/950' MSL.

(4) CONTROLLING OBSTACLES:

RWY 20: 2109 MSL TOWER 374307.00N-0903301.00W.

QUALITY 2 ACCEPTED

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
FARMINGTON, MO	FARMINGTON RGNL	23 SEP 2010	5

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1148 TDZE: 1136	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
ROLLA/VICHY, MO	AIRPORT NAME: **ROLLA NATIONAL**	**GPS**	**GPS RWY 4, ORIG, 12/02/1999**	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
VIH VOR/DME	GIKRE (FO)	228.52 / 14.65	2800
MAP VORTAC	AVIJY (FB)	347.14 / 21.19	2800
TOMAT	ESIXY (FB)	158.69 / 21.53	2800
AVIJY (IAF)	GIKRE (NOPT) (FB)	314.52 / 5.00	2800
ESIXY (IAF)	GIKRE (NOPT) (FB)	134.42 / 5.00	2800
GIKRE (IF/IAF)	YUNRU (FB)	044.47 / 6.01	2800

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

CLIMB TO 3000 DIRECT HYHOE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 224.68 INBOUND.
CHART FAS OBST: 1279 TREE 380711N/0914628W
CHART LINDBERGH MOA.
DISTANCE TO THLD FROM 250 HAT: 0.66 NM.
CHART VDP AT 1.14 MILES TO RW04* *LNAV ONLY.
WAAS CHANNEL # 78119
REFERENCE PATH ID: W04A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW GIKRE, LT, 044.47 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC: 044.52 FAF: YUNRU DIST FAF TO MAP: 5.03 THLD: 5.03
4. MIN. ALT: GIKRE 2800, YUNRU 2800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: YUNRU 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW04 2700

MAG VAR: 2E 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	1387	1	250	1387	1	250	1387	1	250	1387	1	250			
LNAV/VNAV DA	1549	1 1/2	412	1549	1 1/2	412	1549	1 1/2	412	1549	1 1/2	412			
LNAV MDA	1540	1	403	1540	1	403	1540	1 1/4	403	1540	1 1/4	403			
CIRCLING	1580	1	432	1600	1	452	1600	1 1/2	452	1700	2	552			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F).
@ 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 FORT LEONARD WOOD ALTIMETER SETTING AND SEE 8260-10

CHECKED

CITY AND STATE	ELEVATION: 1148 TDZE: 1137	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ROLLA/VICHY, MO	AIRPORT NAME: ROLLA NATIONAL	RNAV	RNAV (GPS) RWY 4, ORIG 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
INCREASE ALL DA 69 FEET AND ALL MDA 80 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY, AND LNAV CAT D VISIBILITY 1/4 MILE.
CHART NOTE: BARO-VNAV AND VDP NA WITH FORT LEONARD WOOD ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TOMAT ON V239 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON VIH VOR/DME AIRWAY RADIALS 198 CW 268.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1148 TDZE: 1137	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ROLLA/VICHY, MO	AIRPORT NAME: ROLLA NATIONAL	RNAV	RNAV (GPS) RWY 4, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KVIH
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	380730.7490N
LTP/FTP LONGITUDE	0914634.0515W
LTP/FTP ELLIPSOIDAL HEIGHT	+03150
FPAP LATITUDE	380832.0600N
FPAP LONGITUDE	0914512.0300W
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	1136
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	8EBF102C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03461
FPAP ORTHOMETRIC HEIGHT	+03461

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1148 TDZE: 1137	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ROLLA/VICHY, MO	AIRPORT NAME: ROLLA NATIONAL	RNAV	RNAV (GPS) RWY 4, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MAP   K3011340VTLA N37352676W091471885    N37352676W091471885E0060013741     NARMAPLES
        SUSAD        VIH   K3011770VDL  N38091466W091422438    N38091466W091422438E0060011051     NARVICHY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AVIJY K30    W     N37561657W091522149                    E0005     NAR          AVIJY
        SUSAEAENRT   ESIXY K30    W     N38033206W092010428                    E0006     NAR          ESIXY
        SUSAEAENRT   GIKRE K30    W     N37595440W091564267                    E0005     NAR          GIKRE
        SUSAEAENRT   HYHOE K30    W     N38154399W091353271                    E0002     NAR          HYHOE
        SUSAEAENRT   TOMAT K30    C   L N38235300W092100515                    E0006     NAR          TOMAT
        SUSAEAENRT   YUNRU K30    W     N38040292W091511163                    E0004     NAR          YUNRU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVIHK3AVIH     0      055YHN38073870W091461020E002001148          1800018000C    MNAR     ROLLA NATIONAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVIHK3FR04   AMAP   010MAP  K3D 0V       IF                                                  18000                A JS
        SUSAP KVIHK3FR04   AMAP   020AVIJYK3EA0E  A 020TF                    34710212     + 02800                              A JS
        SUSAP KVIHK3FR04   AMAP   030GIKREK3EA0EE B 010TF                    31450050     + 02800                              A JS
        SUSAP KVIHK3FR04   ATOMAT 010TOMATK3EA0E       IF                                                  18000                A JS
        SUSAP KVIHK3FR04   ATOMAT 020ESIXYK3EA0E  A 020TF                    15870215     + 02800                              A JS
        SUSAP KVIHK3FR04   ATOMAT 030GIKREK3EA0EE B 010TF                    13440050     + 02800                              A JS
        SUSAP KVIHK3FR04   AVIH   010VIH  K3D 0V       IF                                                  18000                A JS
        SUSAP KVIHK3FR04   AVIH   020GIKREK3EA0EY   020TF                    22850147     + 02800                              A JS
        SUSAP KVIHK3FR04   AVIH   030GIKREK3EA0EE AL   HF                    04450040     + 02800                              A JS
        SUSAP KVIHK3FR04   R      010GIKREK3EA0E  I    IF                                 + 02800     18000                    A JS
        SUSAP KVIHK3FR04   R      020YUNRUK3EA1E  F 051TF                    04450060     + 02800                RW04  K3PGA A JS
        SUSAP KVIHK3FR04   R      020YUNRUK3EA2WALPV       ALNAV/VNAV ALNAV                                                     JS
        SUSAP KVIHK3FR04   R      030RW04 K3PG0GY M 031TF                    04450050      01176          -300                 A JS
        SUSAP KVIHK3FR04   R      040         0  M  010CA                    0445         + 01387                              A JS
        SUSAP KVIHK3FR04   R      050HYHOEK3EA0EY   010DF                                 + 03000                              A JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1148 TDZE: 1137	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ROLLA/VICHY, MO	AIRPORT NAME: **ROLLA NATIONAL**	**RNAV**	**RNAV (GPS) RWY 4, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

```
        SUSAP KVIHK3FR04    R       060HYHOEK3EA0EE  R020HM                    22470040     + 03000                              A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVIHK3GRW04     0055000446 N38073075W091463405-0500     +0315001136021340100R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVIHK3PR04    RW04 001 0000W04A0N3807307490W09146340515+031500300N3808320600W0914512030010675113600040OF4005008EBF102C
        SUSAP KVIHK3PR04    RW04 002E       +03461+03461LPV        78119

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVIHK3SRW04 K3PG                0    18018002725                                                                    M
```

QUAL. 4

CITY AND STATE	ELEVATION: 1148 TDZE: 1137	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ROLLA/VICHY, MO	AIRPORT NAME: ROLLA NATIONAL	RNAV	RNAV (GPS) RWY 4, ORIG 23 SEP 2010	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
VIH VOR/DME	HYHOE (FO)	037.80 / 8.44	3000
HODGS	WUKEP (FB)	143.57 / 19.31	3000
TRAKE	WUKEP (FB)	168.60 / 22.42	3000
STEER	OZELE (FB)	242.80 / 20.26	3000
DELMA	OZELE (FB)	275.83 / 29.01	3000
OZELE (IAF)	HYHOE (NOPT) (FB)	314.72 / 5.00	3000
WUKEP (IAF)	HYHOE (NOPT) (FB)	134.64 / 5.00	3000
HYHOE (IF/IAF)	EGEGE (FB)	224.68 / 6.01	2800

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW22

CLIMB TO 2800 DIRECT GIKRE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, LT, 044.47 INBOUND.
CHART FAS OBST: 1259 TREE 380808N/0914512W
DISTANCE TO THLD FROM 200 HAT: 0.49 NM.
WAAS CHANNEL # 72719
REFERENCE PATH ID: W22A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE HYHOE, RT, 224.68 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 224.62 FAF: EGEGE DIST FAF TO MAP: 5.08 THLD: 5.08
4. MIN. ALT: HYHOE 3000, EGEGE 2800, IWUZI/1.50 NM TO RW22 1640*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: EGEGE 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 51.8 34:1 IS CLEAR
8. MSA FROM: RW22 2700

MAG VAR: 2E 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	1317	3/4	200	1317	3/4	200	1317	3/4	200	1317	3/4	200			
LNAV/VNAV DA	1529	1 1/2	412	1529	1 1/2	412	1529	1 1/2	412	1529	1 1/2	412			
LNAV MDA	1520	1	403	1520	1	403	1520	1 1/4	403	1520	1 1/4	403			
CIRCLING	1580	1	432	1600	1	452	1600	1 1/2	452	1700	2	552			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F).
@ 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 FORT LEONARD WOOD ALTIMETER SETTING AND SEE 8260-10

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1148 TDZE: 1117	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ROLLA/VICHY, MO	AIRPORT NAME: ROLLA NATIONAL	RNAV	RNAV (GPS) RWY 22, ORIG 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
INCREASE ALL DA 69 FEET AND ALL MDA 80 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY, AND LNAV CAT D VISIBILITY 1/4 MILE.
CHART NOTE: BARO-VNAV NA WITH FORT LEONARD WOOD ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DELMA ON V238 NORTHEAST BOUND.



CITY AND STATE	ELEVATION: 1148 TDZE: 1117	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ROLLA/VICHY, MO	AIRPORT NAME: ROLLA NATIONAL	RNAV	RNAV (GPS) RWY 22, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KVIH
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	380806.6825N
LTP/FTP LONGITUDE	0914546.0025W
LTP/FTP ELLIPSOIDAL HEIGHT	+03070
FPAP LATITUDE	380705.3500N
FPAP LONGITUDE	0914707.9900W
THRESHOLD CROSSING HEIGHT (TCH)	00051.8
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)	35.0
CRC REMAINDER	E0E8534A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03381
FPAP ORTHOMETRIC HEIGHT	+03381

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1148 TDZE: 1117	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ROLLA/VICHY, MO	AIRPORT NAME: ROLLA NATIONAL	RNAV	RNAV (GPS) RWY 22, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAD     VIH   K3011770VDL  N38091466W091422438    N38091466W091422438E0060011051     NARVICHY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DELMA K30    C    L N38081382W090544413                    W0003     NAR          DELMA
        SUSAEAENRT   EGEGE K30    W      N38113617W091410547                    E0003     NAR          EGEGE
        SUSAEAENRT   GIKRE K30    W      N37595440W091564267                    E0005     NAR          GIKRE
        SUSAEAENRT   HODGS K30    C    L N38351972W091534655                    E0004     NAR          HODGS
        SUSAEAENRT   HYHOE K30    W      N38154399W091353271                    E0002     NAR          HYHOE
        SUSAEAENRT   IWUZI K30    W      N38090861W091442314                    E0003     NAR          IWUZI
        SUSAEAENRT   OZELE K30    W      N38120542W091311160                    E0002     NAR          OZELE
        SUSAEAENRT   STEER K30    C    L N38204592W091075600                    W0001     NAR          STEER
        SUSAEAENRT   TRAKE K30    C    B N38413086W091443329                    E0003     NAR          TRAKE
        SUSAEAENRT   WUKEP K30    W      N38192240W091395425                    E0003     NAR          WUKEP

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVIHK3AVIH     0     055YHN38073870W091461020E002001148          1800018000C    MNAR    ROLLA NATIONAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVIHK3FR22   ADELMA 010DELMAK3EA0E       IF                                                  18000                A JS
        SUSAP KVIHK3FR22   ADELMA 020OZELEK3EA0E  A 020TF                  27580290    + 03000                                  A JS
        SUSAP KVIHK3FR22   ADELMA 030HYHOEK3EA0EE B 010TF                  31470050    + 03000                                  A JS
        SUSAP KVIHK3FR22   AHODGS 010HODGSK3EA0E       IF                                                  18000                A JS
        SUSAP KVIHK3FR22   AHODGS 020WUKEPK3EA0E  A 020TF                  14360193    + 03000                                  A JS
        SUSAP KVIHK3FR22   AHODGS 030HYHOEK3EA0EE B 010TF                  13460050    + 03000                                  A JS
        SUSAP KVIHK3FR22   ASTEER 010STEERK3EA0E       IF                                                  18000                A JS
        SUSAP KVIHK3FR22   ASTEER 020OZELEK3EA0E  A 020TF                  24280203    + 03000                                  A JS
        SUSAP KVIHK3FR22   ASTEER 030HYHOEK3EA0EE B 010TF                  31470050    + 03000                                  A JS
        SUSAP KVIHK3FR22   ATRAKE 010TRAKEK3EA0E       IF                                                  18000                A JS
        SUSAP KVIHK3FR22   ATRAKE 020WUKEPK3EA0E  A 020TF                  16860224    + 03000                                  A JS
        SUSAP KVIHK3FR22   ATRAKE 030HYHOEK3EA0EE B 010TF                  13460050    + 03000                                  A JS
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 1148 TDZE: 1117	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ROLLA/VICHY, MO	AIRPORT NAME: ROLLA NATIONAL	RNAV	RNAV (GPS) RWY 22, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KVIHK3FR22   AVIH   010VIH  K3D 0V       IF                                          18000                A JS
        SUSAP KVIHK3FR22   AVIH   020HYHOEK3EA0EY   020TF                   03780084    + 03000                          A JS
        SUSAP KVIHK3FR22   AVIH   030HYHOEK3EA0EE AR   HF                   22470040    + 03000                          A JS
        SUSAP KVIHK3FR22   R      010HYHOEK3EA0E  I    IF                             + 03000     18000                A JS
        SUSAP KVIHK3FR22   R      020EGEGEK3EA1E  F 051TF                   22470060    + 02800                 RW22  K3PGA JS
        SUSAP KVIHK3FR22   R      020EGEGEK3EA2WALPV       ALNAV/VNAV ALNAV                                              JS
        SUSAP KVIHK3FR22   R      021IWUZIK3EA0E S  031TF                   22460036    V 0164001641        -300          A JS
        SUSAP KVIHK3FR22   R      030RW22 K3PG0GY M 031TF                   22460015      01161             -300          A JS
        SUSAP KVIHK3FR22   R      040         0  M  010CA                   2246        + 01317                         A JS
        SUSAP KVIHK3FR22   R      050GIKREK3EA0EY   010DF                              + 02800                         A JS
        SUSAP KVIHK3FR22   R      060GIKREK3EA0EE  L020HM                   04450040    + 02800                         A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KVIHK3GRW22    0055002246 N38080668W091454600+0500    +0307001109000052100R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KVIHK3PR22   RW22 001 0000W22A0N3808066825W0914546002S+030700300N3807053500W0914707990010675107200051 8F400350E0E8534A
        SUSAP KVIHK3PR22   RW22 002E      +03381+03381LPV       72719

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KVIHK3SRW22 K3PG              0   18018002725                                                              M
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1148 TDZE: 1117	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ROLLA/VICHY, MO	AIRPORT NAME: ROLLA NATIONAL	RNAV	RNAV (GPS) RWY 22, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. 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 4, 13, 22, 31, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, MULTIPLE TREES AND VEHICLE ON ROAD BEGINNING 465' FROM DER, 170' LEFT OF CENTERLINE, UP TO 68' AGL/1208' MSL. MULTIPLE TREES, SIGN, AND VEHICLE ON ROAD BEGINNING 297' FROM DER, 138' RIGHT OF CENTERLINE, UP TO 68' AGL/1208' MSL. NOTE: RWY 22, MULTIPLE TREES, TERRAIN, AND VEHICLE ON ROAD BEGINNING 161' FROM DER, 168' LEFT OF CENTERLINE, UP TO 107' AGL/1187' MSL. POWER POLE, TERRAIN, AND VEHICLE ON ROAD BEGINNING 126' FROM DER, 217' RIGHT OF CENTERLINE, UP TO 36' AGL/1176' MSL. VEHICLE ON ROAD 613' FROM DER, ON CENTERLINE, 15' AGL/1157' MSL. NOTE: RWY 31, MULTIPLE TREES, TERRAIN, AND VEHICLE ON ROAD BEGINNING 230' FROM DER, 91' LEFT OF CENTERLINE, UP TO 30' AGL/1170' MSL. MULTIPLE TREES BEGINNING 779' FROM DER, (CONT.)

(4) CONTROLLING OBSTACLES:

QUALITY CHECKED

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
ROLLA/VICHY, MO	ROLLA NATIONAL	23 SEP 2010	ORIG

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.)

435' RIGHT OF CENTERLINE, UP TO 58' AGL/1178' MSL. VEHICLE ON ROAD 611' FROM DER, ON CENTERLINE, 15' AGL/1156' MSL.



City, State	Airport	Effective Date	Amdt. No.
ROLLA/VICHY, MO	**ROLLA NATIONAL**	23 SEP 2010	**ORIG**

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CYTKA/7.00 DME CW (IAF)	HULSU/7.00 DME (NOPT)	7.00 DME ARC	2700
JELNA/7.00 DME CCW (IAF)	HULSU/7.00 DME (NOPT)	7.00 DME ARC	2700
HULSU/7.00 DME (IF)	VIH VOR/DME	240.90 / 7.00	2100

MISSED APPROACH

MAP: 2.88 MILES AFTER VIH VOR/DME OR AT 2.88 DME FIX

CLIMB TO 2700 THEN RIGHT TURN DIRECT VIH VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 241.00 INBOUND.
CHART FAS OBST: 1269 TREE 380712N/0914452W
CHART VDP AT 1.75 DME;
DISTANCE VDP TO THLD 1.13 MILES.
CHART VIH R-315 AT CYTKA.
CHART VIH R-132 AT JELNA.
VIH VOR/DME TO RW22: 3.07/52.

1. PT L SIDE OF COURSE 060.90 OUTBOUND 2700 FT WITHIN 10 MILES OF VIH VOR/DME (IAF)
2.
3. FAC 240.90 FAF VIH VOR/DME DIST FAF TO MAP 2.88 THLD 2.88
4. MIN. ALT VIH VOR/DME 2100
8. MSA FROM: VIH VOR/DME 2700

MAG VAR: 6E 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
S-22	1520	1	403	1520	1	403	1520	1 1/4	403	1520	1 1/4	403			
CIRCLING	1580	1	432	1600	1	452	1600	1 1/2	452	1700	2	552			

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT LEONARD WOOD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, INCREASE S-22 CAT D VISIBILITY 1/4 MILE.
CHART NOTE: VDP NA WITH FORT LEONARD WOOD ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1148 TDZE: 1117	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
ROLLA/VICHY, MO	AIRPORT NAME: ROLLA NATIONAL	VIH	VOR RWY 22, AMDT 8 23 SEP 2010	AMDT 7C
				DATE 08/01/2000

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

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
VIH VOR/DME	VENNA/8.50 DME	236.00 / 8.50	2700
WEVRA/15.00 DME CCW (IAF)	JIREX/15.00 DME (NOPT)	15.00 DME ARC	2700
ZOREB/15.00 DME CW (IAF)	JIREX/15.00 DME (NOPT)	15.00 DME ARC	2700
JIREX/15.00 DME (IF)	VENNA/8.50 DME	056.00 / 6.50 (VIH R-236)	2700

MISSED APPROACH

MAP: YAYLU/VIH 3.71 DME

CLIMB TO 2700 DIRECT VIH VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 241.00 INBOUND.
CHART FAS OBST: 1279 TREE 380711N/0914628W
CHART VDP AT 4.86 DME;
DISTANCE VDP TO THLD 1.14 MILES.
CHART VIH R-315 AT WEVRA.
CHART VIH R-198 AT ZOREB.
VENNA TO RW04: 3.00/40.
FAC CROSSES RWY C/L EXTENDED 346 FROM THLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW VENNA, RT, 056.00 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
3. FAC 056.00 FAF VENNA/8.50 DME DIST FAF TO MAP ____ THLD 4.79
4. MIN. ALT VENNA 2700
8. MSA FROM: VIH VOR/DME 2700

MAG VAR: 6E EPOCH YEAR:1965

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
S-4	1540	1	403	1540	1	403	1540	1 1/4	403	1540	1 1/4	403			
CIRCLING	1580	1	432	1600	1	452	1600	1 1/2	452	1700	2	552			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT LEONARD WOOD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, INCREASE S-4 CAT D VISIBILITY 1/4 MILE.
CHART NOTE: VDP NA WITH FORT LEONARD WOOD ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1148 TDZE: 1137	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
ROLLA/VICHY, MO	AIRPORT NAME: ROLLA NATIONAL	VIH	VOR/DME RWY 4, AMDT 3 23 SEP 2010	AMDT 2C
				DATE 08/01/2000

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS OR VOR/DME RNAV 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

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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 23 SEP 2010

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1148 TDZE: 1117	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
ROLLA/VICHY, MO	AIRPORT NAME: **ROLLA NATIONAL**	**VIH**	**VOR/DME RNAV OR GPS RWY 22, AMDT 2C, 08/01/2000**	AMDT **2B**
				DATE **07/26/1999**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
NUSOE (IAF)	FILUX (NOPT) (FB)	266.09 / 6.00	3100
RUKNE (IAF)	FILUX (NOPT) (FB)	085.93 / 6.00	3100
FILUX (IF/IAF)	DEBEC (FB)	356.01 / 7.03	2500

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

CLIMB TO 3000 DIRECT TOCDU AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 176.01 INBOUND.
CHART FAS OBST: 919 TREE 394526N/0945443W
CHART: ASR/PAR.
DISTANCE TO THLD FROM 200 HAT: 0.48 NM.
CHART VDP AT 1.09 MILES TO RW35* *LNAV ONLY.
WAAS CHANNEL # 77819
REFERENCE PATH ID: W35A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S FILUX, RT, 356.01 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 356.01 FAF: DEBEC DIST FAF TO MAP: 5.07 THLD: 5.07
4. MIN. ALT: FILUX 3100, DEBEC 2500, HIBGE/2.70 NM TO RW35 1720*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: DEBEC 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 4E EPOCH YEAR: 1995

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	1014	5000	200	1014	5000	200	1014	5000	200	1014	5000	200	1014	5000	200
LNAV/VNAV DA	1219	1 1/2	405	1219	1 1/2	405	1219	1 1/2	405	1219	1 1/2	405	1219	1 1/2	405
LNAV MDA	1180	5000	366	1180	5000	366	1180	5000	366	1180	6000	366	1180	6000	366
CIRCLING	1460	1	634	1460	1	634	1460	1 3/4	634	1500	2 1/4	674	1760	3	934

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING KANSAS CITY INTL ALTIMETER SETTING.
SEE 8260-10

@ CAT D 800-2 1/4, CAT E 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 826 TDZE: 814	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ST JOSEPH, MO	AIRPORT NAME: ROSECRANS MEMORIAL	RNAV	RNAV (GPS) RWY 35, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED 12/25/2003

NOTES CONT.

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

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KANSAS CITY INTL ALTIMETER SETTING AND INCREASE ALL DA 97 FEET AND ALL MDA 100 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, INCREASE LNAV CAT C AND D VISIBILITY 1/4 MILE, CAT E 1/2 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE, CAT D 1/2 MILE.

TAA

	FROM	TO	ALT
1.	266/30 CW 086/30 (NOPT)	FILUX (IF/IAF)	3100
2.	086/30 CW 176/30	RUKNE (IAF)	3100
3.	176/30 CW 266/30	NUSOE (IAF)	3100

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSTJ
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	394544.8300N
LTP/FTP LONGITUDE	0945424.8900W
LTP/FTP ELLIPSOIDAL HEIGHT	+02157
FPAP LATITUDE	394706.3500N
FPAP LONGITUDE	0945424.8700W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0056
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	21F0DA71

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02474
FPAP ORTHOMETRIC HEIGHT	+02474

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ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DEBEC K30    W     N39404022W094542496                      E0026     NAR           DEBEC
        SUSAEAENRT   FILUX K30    C     N39333789W094542507                      E0026     NAR           FILUX
        SUSAEAENRT   HIBGE K30    W     N39430270W094542493                      E0026     NAR           HIBGE
        SUSAEAENRT   NUSOE K30    W     N39333757W094463959                      E0025     NAR           NUSOE
        SUSAEAENRT   RUKNE K30    W     N39333769W095021056                      E0027     NAR           RUKNE
        SUSAEAENRT   TOCDU K30    W     N39584216W094542471                      E0026     NAR           TOCDU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTJK3ASTJ     0     080YHN39461900W094543494E004000826        1800018000C    MNAR     ROSECRANS MEMORIAL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTJK3FR35   AFILUX 010FILUXK3EA0EE AR   HF                    35600070    + 03100     18000                A JS
        SUSAP KSTJK3FR35   ANUSOE 010NUSOEK3EA0E  A    IF                                        18000                A JS
        SUSAP KSTJK3FR35   ANUSOE 020FILUXK3EA0EE B 010TF                     26610060    + 03100                          A JS
        SUSAP KSTJK3FR35   ARUKNE 010RUKNEK3EA0E  A    IF                                        18000                A JS
        SUSAP KSTJK3FR35   ARUKNE 020FILUXK3EA0EE B 010TF                     08590060    + 03100                          A JS
        SUSAP KSTJK3FR35   R      010FILUXK3EA0E  I    IF                                      + 03100     18000        A JS
        SUSAP KSTJK3FR35   R      020DEBECK3EA1E  F 051TF                     35600070    + 02500                          A JS
        SUSAP KSTJK3FR35   R      020DEBECK3EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KSTJK3FR35   R      021HIBGEK3EA0E S  031TF                     35600024    V 0172001729        -300         A JS
        SUSAP KSTJK3FR35   R      030RW35 K3PG0GY M 031TF                     35600027      00862             -300         A JS
        SUSAP KSTJK3FR35   R      040         0  M  010CA                     3560        + 01014                        A JS
        SUSAP KSTJK3FR35   R      050TOCDUK3EA0EY   010DF                                 + 03000                          A JS
        SUSAP KSTJK3FR35   R      060TOCDUK3EA0EE  R020HM                     17600070    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTJK3GRW35    0080593560 N39454483W094542489+0200     +02157008120000641501
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CITY AND STATE	ELEVATION: 826 TDZE: 814	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ST JOSEPH, MO	AIRPORT NAME: ROSECRANS MEMORIAL	RNAV	RNAV (GPS) RWY 35, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 12/25/2003

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

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                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTJK3PR35    RW35 001 0000W35A0N3945448300W09454248900+021570300N3947063500W094542487001065000560005000F40035021F0DA71
        SUSAP KSTJK3PR35    RW35 002E       +02474+02474LPV        77819
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QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ST JOSEPH, MO	**ELEVATION: 826 TDZE: 814** AIRPORT NAME: **ROSECRANS MEMORIAL**	**RNAV**	**RNAV (GPS) RWY 35, AMDT 1** 23 SEP 2010	AMDT: **ORIG** DATED: **12/25/2003**

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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 8L, 26R, STANDARD.
RWY 8R, 200 – 1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 238 FT PER NM TO 700.
RWY 26L, 200 – 2 OR STANDARD WITH MINIMUM CLIMB OF 231 FT PER NM TO 900.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8L, MULTIPLE TREES BEGINNING 1245 FT FROM DER, 52 FT LEFT OF CENTERLINE, UP TO 74 FT AGL/533 FT MSL. MULTIPLE TREES AND FENCE BEGINNING 46 FT FROM DER, 72 FT RIGHT OF CENTERLINE, UP TO 57 FT AGL/516 FT MSL.
NOTE: RWY 8R, RAILROAD AND ANT ON BLDG BEGINNING 142 FT FROM DER, 18 FT LEFT OF CENTERLINE, UP TO 33 FT AGL/482 FT MSL.
NOTE: RWY 26L, TREE 2239 FT FROM DER, 509 FT RIGHT OF CENTERLINE, UP TO 62 FT AGL/521 FT MSL.
NOTE: RWY 26R, MULTIPLE TREES BEGINNING 1898 FT FROM DER, 18 FT LEFT OF CENTERLINE, UP TO 130 FT AGL/589 FT MSL. MULTIPLE TREES BEGINNING 32 FT FROM DER, 41 FT RIGHT OF CENTERLINE, UP TO 142 FT AGL/601 FT MSL.

(4) CONTROLLING OBSTACLES:

RWY 8R: 626 MSL TREE 383936.62N/0903651.82W
RWY 26L: 759 MSL TREE 383841.22N/0904132.85W

QUALITY CHECKED

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
ST. LOUIS, MO	SPIRIT OF ST. LOUIS	23 SEP 2010	1

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

23 SEP 2010
PROCEDURE CANCELED EFFECTIVE _____

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3205 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP / AMDT / DATE
MISSOULA, MT	**MISSOULA INTERNATIONAL**	**GPS**	**GPS-D, ORIG-A, 08/10/2006**	**GPS-D / ORIG / 12/03/1998**

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
MLP VOR/DME (IAF)	NEGOE/MSO VOR/DME 25.00 DME	089.95 / 47.90	9800
EMIBE/MSO VOR/DME 25.00 DME CCW (IAF)	NEGOE/MSO VOR/DME 25.00 DME	25.00 DME ARC (MSO LR-299)	9800
BUCKE/MSO 25.00 DME CW (IAF)	DIPHU/MSO VOR/DME 25.00 DME	25.00 DME ARC	12000
DIPHU/MSO VOR/DME 25.00 DME CW	NEGOE/MSO VOR/DME 25.00 DME	25.00 DME ARC (MSO LR-289)	9800
NEGOE/MSO VOR/DME 25.00 DME (IF)	JELEG/MSO VOR/DME 17.48 DME	113.45 / 7.51 (I-MSO)	8600

MISSED APPROACH

ILS: DA

CLIMB TO 6200 THEN CLIMBING RIGHT TURN TO 8500 ON MSO VOR/DME R-150 THEN CLIMBING LEFT TURN TO 9100 DIRECT MSO VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 340.00 INBOUND.
CHART NAGOZ OM HALFTONE.
CHART MSO R-239 AT BUCKE.
CHART MSO R-340 AT EMIBE.
CHART MSO R-258 AT DIPHU.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT NEGOE/MSO VOR/DME 25.00 DME
3. FAC: 113.45 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: NEGOE 9800, JELEG 8600
5. DIST TO THLD FROM OM: 16.12 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 992
6. MIN GS INCPT: 8600 GS ALT AT: JELEG/MSO VOR/DME 17.48 DME 8600 OM: 4843 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 45.0
8. MSA FROM: MSO VOR/DME 045-135 9200, 135-225 10800, 225-315 9200, 315-045 10700

MAG VAR: 17E EPOCH YEAR: 1990

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
S-ILS 11	5022	7	1822	5022	7	1822	5022	7	1822	5022	7	1822			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART PLANVIEW NOTE: DME REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 3206 TDZE: 3200	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MISSOULA, MT	AIRPORT NAME: MISSOULA INTL	I-MSO	ILS Y RWY 11, ORIG 23 SEP 2010	AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MLP VOR/DME (IAF)	NEGOE/MSO VOR/DME 25.00 DME	089.95 / 47.90	10500
EMIBE/MSO VOR/DME 25.00 DME CCW (IAF)	NEGOE/MSO VOR/DME 25.00 DME	25.00 DME ARC (MSO LR-299)	10500
JIROS/MSO VOR/DME 25.00 DME CW (IAF)	DIPHU/MSO VOR/DME 25.00 DME	25.00 DME ARC	12000
DIPHU/MSO VOR/DME 25.00 DME CW	NEGOE/MSO VOR/DME 25.00 DME	25.00 DME ARC (MSO LR-289)	10500
NEGOE/MSO VOR/DME 25.00 DME (IF)	JELEG/MSO VOR/DME 17.48 DME	113.45 / 7.51 (I-MSO)	8600

MISSED APPROACH

ILS: DA

CLIMBING RIGHT TURN TO 10300 ON MSO VOR/DME R-155 TO JEPSN/MSO VOR/DME 26.50 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 335.00 INBOUND.
CHART MSO R-239 AT JIROS.
CHART MSO R-340 AT EMIBE.
CHART MSO R-258 AT DIPHU.
CHART NAGOZ OM HALF TONE

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT NEGOE/MSO VOR/DME 25.00 DME
3. FAC: 113.45 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: NEGOE 10500, JELEG 8600
5. DIST TO THLD FROM OM: 16.12 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 992
6. MIN GS INCPT: 8600 GS ALT AT: JELEG 8600 OM: 4843 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 45.0
8. MSA FROM: MSO VOR/DME 045-135 9200, 135-225 10800, 225-315 9200, 315-045 10700

MAG VAR: 17E EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: 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 11	3411	1/2	211	3411	1/2	211	3411	1/2	211	3411	1/2	211			

NOTES:
CHART PLANVIEW NOTE: DME REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: MISSED APPROACH REQUIRES MINIMUM CLIMB OF 410 FEET PER NM TO 9800, IF UNABLE TO COMPLY WITH CLIMB GRADIENT, USE ILS Y RWY 11.

NA WHEN CONTROL TOWER CLOSED.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 3206 TDZE: 3200 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS RWY 11
MISSOULA, MT	MISSOULA INTL	I-MSO	ILS Z RWY 11, AMDT 12 23 SEP 2010	AMDT: 11 DATED 12/22/2005

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UBIJO	STACC (FB)	283.96 / 43.03	11300
STACC	BOTBY (FB)	283.31 / 6.00	10300
RIVAL	NOHHA (FB)	107.10 / 27.03	12000
NOHHA	BOTBY (FB)	010.80 / 4.63	10300
BOTBY (IAF)	VISVE (FB)	335.04 / 5.00	8100
VISVE (IF)	WOJHO (FB)	335.02 / 6.00	6800

MISSED APPROACH

LNAV: ALHOB

CLIMB TO 9600 DIRECT BOWWE AND ON TRACK 274.19 TO LIBRE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9600.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 100.00 INBOUND.
FAS OBST: 4230 AAO 464924N/1140638W
FAC CROSSES MID POINT OF RWY 11/29.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT VISVE
3. FAC: 335.02 FAF: WOJHO DIST FAF TO MAP: 6.00 THLD: ____
4. MIN. ALT: VISVE 8100, WOJHO 6800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: ____
8. MSA FROM: ALHOB 10800

MAG VAR: 17E EPOCH YEAR: 1990

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
CIRCLING	4540	1 1/4	1334	4540	1 1/2	1334	4540	3	1334	4700	3	1494			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT UBIJO VIA V86 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RIVAL VIA V187 SOUTHWEST BOUND.

@ CAT A, B 1400-2, CAT C 1400-3, CAT D 1500-3

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3206 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MISSOULA, MT	AIRPORT NAME: MISSOULA INTL	RNAV	RNAV (GPS)-D, ORIG 23 SEP 2010	AMDT: NONE
				DATED

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ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   ALHOB K1O    W     N46542476W114051935                E0144    NAR          ALHOB
          SUSAEAENRT   BOTBY K1O    W     N46373507W114015335                E0143    NAR          BOTBY
          SUSAEAENRT   BOWWE K1O    W     N46573483W114055830                E0144    NAR          BOWWE
          SUSAEAENRT   LIBRE K1O    C     N47050891W114344692                E0146    NAR          LIBRE
          SUSAEAENRT   NOHHA K1O    C   L N46332924W114050151                E0143    NAR          NOHHA
          SUSAEAENRT   RIVAL K1O    R   L N46484279W114372779                E0145    NAR          RIVAL
          SUSAEAENRT   STACC K1O    W     N46343370W113542241                E0142    NAR          STACC
          SUSAEAENRT   UBIJO K1O    C   L N46123843W113005287                E0138    NAR          UBIJO
          SUSAEAENRT   VISVE K1O    W     N46423206W114025374                E0143    NAR          VISVE
          SUSAEAENRT   WOJHO K1O    W     N46482842W114040646                E0143    NAR          WOJHO

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMSOK1AMSO     0     095YHN46545880W114052620E017003206         1800018000C    MNAR    MISSOULA INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMSOK1FRNV-D ARIVAL 010RIVALK1EA0E       IF                                          18000              B JC
          SUSAP KMSOK1FRNV-D ARIVAL 020NOHHAK1EA0E    020TF                 10710270    + 12000                        B JC
          SUSAP KMSOK1FRNV-D ARIVAL 030BOTBYK1EA0E  AL020TFY                01080046    + 10300                        B JC
          SUSAP KMSOK1FRNV-D ARIVAL 040VISVEK1EA0EE B 010TF                 33500050    + 08100                        B JC
          SUSAP KMSOK1FRNV-D AUBIJO 010UBIJOK1EA0E       IF                                          18000              B JC
          SUSAP KMSOK1FRNV-D AUBIJO 020STACCK1EA0E    020TF                 28400430    + 11300                        B JC
          SUSAP KMSOK1FRNV-D AUBIJO 030BOTBYK1EA0E  A 020TF                 28330060    + 10300                        B JC
          SUSAP KMSOK1FRNV-D AUBIJO 040VISVEK1EA0EE B 010TF                 33500050    + 08100                        B JC
          SUSAP KMSOK1FRNV-D R      010VISVEK1EA0E  I    IF                           + 08100    18000               B JC
          SUSAP KMSOK1FRNV-D R      020WOJHOK1EA0E  F 051TF                 33500060    + 06800              ALHOB K1EAB JC
          SUSAP KMSOK1FRNV-D R      030ALHOBK1EA0EY M 031TF                 33500060      04700         000            B JC
          SUSAP KMSOK1FRNV-D R      040         0   M 010CA                 3350        + 03606                        B JC
          SUSAP KMSOK1FRNV-D R      050BOWWEK1EA0E    010DF                                                          B JC
          SUSAP KMSOK1FRNV-D R      060LIBREK1EA0EY   010TF                 2742        + 09600                        B JC
          SUSAP KMSOK1FRNV-D R      070LIBREK1EA0EE   R020HM                10000070    + 09600                        B JC
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 3206 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MISSOULA, MT	AIRPORT NAME: MISSOULA INTL	RNAV	RNAV (GPS)-D, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSOK1SALHOBK1EA               0   18018010825                                                          M
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CHECKED

CITY AND STATE	ELEVATION: 3206 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MISSOULA, MT	AIRPORT NAME: MISSOULA INTL	RNAV	RNAV (GPS)-D, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SQIDS/MSO 11.00 DME	MSO VOR/DME	235.19 / 11.00	10100
SPUNK/MSO 11.00 DME	MSO VOR/DME	264.04 / 11.00	9500
TAGOE/MSO 11.32 DME	MSO VOR/DME	296.16 / 11.32	8900
MSO VOR/DME	HUSON/MSO 6.00 DME	281.00 / 6.00	8900
ALTON/MSO 16.00 DME (IAF)	NOSPE/MSO 13.00 DME (NOPT)	101.00 / 3.00 (MSO LR-281)	8600
SULFY/MSO 13.00 DME CCW (IAF)	NOSPE/MSO 13.00 DME (NOPT)	13.00 DME ARC	8600
WAANE/MSO 13.00 DME CW (IAF)	HULPA/MSO 13.00 DME (NOPT)	13.00 DME ARC	9700
(SEE FORM 8260-10)			

MISSED APPROACH

MAP: MADEF/MSO 1.40 DME

CLIMB DIRECT MSO VOR/DME THEN CLIMBING RIGHT TURN TO 8500 ON MSO VOR/DME R-152 OUTBOUND THEN CLIMBING LEFT TURN TO 9100 DIRECT TO MSO VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 340.00 INBOUND.
FAS OBST: 4179 AAO 465634N/1141407W
CHART MSO R-239 AT WAANE.
CHART MSO R-340 AT SULFY.
CHART MSO R-260 AT HULPA.
CHART MSO R-055 AT SQIDS.
CHART MSO R-084 AT SPUNK.
CHART MSO R-116 AT TAGOE.
FAC 2571 FT R OF RWY 11

1. PT L SIDE OF COURSE 281.00 OUTBOUND 8900 FT WITHIN 10 MILES OF HUSON (IAF)
2.
3. FAC 101.00 FAF HUSON/MSO 6.00 DME DIST FAF TO MAP THLD
4. MIN. ALT WAMAS 7700, HUSON 6900
8. MSA FROM: MSO VOR/DME 045-135 9200, 135-225 10800, 225-315 9200, 315-045 10700

MAG VAR: 17E EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	5120	1 1/4	1914	5120	1 1/2	1914	5120	3	1914	5160	3	1954			

NOTES:

@ CAT A, B 2000-2, CAT C, D 2000-3

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 3206 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR/DME OR GPS-A
MISSOULA, MT	MISSOULA INTL	MSO	VOR/DME-A, AMDT 12 23 SEP 2010	AMDT 11 DATE 12/22/2005

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HULPA/MSO 13.00 DME CW	NOSPE/MSO 13.00 DME	13.00 DME ARC	8600
NOSPE/MSO 13.00 DME (IF)	WAMAS/MSO 10.00 DME	101.00 / 3.00 (MSO R-281)	7700
WAMAS/MSO 10.00 DME	HUSON/MSO 6.00 DME	101.00 / 4.00 (MSO R-281)	6900

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 3206 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: VOR/DME OR GPS-A
MISSOULA, MT	AIRPORT NAME: MISSOULA INTL	MSO	VOR/DME-A, AMDT 12 23 SEP 2010	AMDT: 11
				DATED: 12/22/2005

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MSO VOR/DME	**STEVI/MSO 10.00 DME**	**155.00 / 10.00**	**10000**
DAIRE/MSO 16.00 DME CCW (IAF)	**DMFOX/MSO 16.00 DME (NOPT)**	**16.00 DME ARC**	**11200**
DMFOX/MSO 16.00 DME CCW	**WURTH/MSO 16.00 DME**	**16.00 DME ARC**	**9300**
OCEDA/MSO 16.00 DME CW (IAF)	**WURTH/MSO 16.00 DME (NOPT)**	**16.00 DME ARC**	**8700**
BAMBE/MSO 16.00 DME CW (IAF)	**WURTH/MSO 16.00 DME (NOPT)**	**16.00 DME ARC**	**8700**
PUNNS/MSO 16.00 DME CW (IAF)	**WURTH/MSO 16.00 DME (NOPT)**	**16.00 DME ARC**	**8700**
SEE 8260-10			

MISSED APPROACH

MAP: MAJOS/MSO 1.00 DME

CLIMB TO 9600 DIRECT MSO VOR/DME AND ON MSO VOR/DME R-281 TO LIBRE/MSO 23.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9600.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 100.84 INBOUND.
FAS OBST: 3979 AAO 464814N/1140148W
CHART MSO R-055 AT OCEDA.
CHART MSO R-084 AT BAMBE.
CHART MSO R-239 AT DAIRE.
CHART MSO R-173 AT DMFOX.
CHART MSO R-116 AT PUNNS.
FAC CROSSES AIRPORT 1296 FT EAST OF AIRPORT REFERENCE POINT.
CHART (HIZER) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE.

1. PT **L** SIDE OF COURSE **155.00** OUTBOUND **10000** FT WITHIN **10** MILES OF **STEVI** (IAF)
2.
3. FAC **335.00** FAF **STEVI/MSO 10.00 DME** DIST FAF TO MAP **9.00** THLD
4. MIN. ALT **STEVI 8100, ERRIK/MSO 6.00 DME 6680**
8. MSA FROM: **MSO VOR/DME 045-135 9200, 135-225 10800, 225-315 9200, 315-045 10700**

MAG VAR: **17E** EPOCH YEAR: **1990**

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	**4940**	**1 1/4**	**1734**	**4940**	**1 1/2**	**1734**	**4940**	**3**	**1734**	**4940**	**3**	**1734**			

NOTES:

CHART PLANVIEW NOTE: RADAR REQUIRED FOR ENTRY FROM JEPSN/MSO 26.50 DME.

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

QUALITY A CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
MISSOULA, MT	**ELEVATION: 3206 TDZE:** AIRPORT NAME: **MISSOULA INTL**	**MSO**	**VOR/DME-B, AMDT 6** 23 SEP 2010	SUP **VOR/DME OR GPS-B** AMDT **5** DATE **12/22/2005**

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES CONT.

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JEPSN/MSO 26.50 DME (IAF)	WURTH/MSO 16.00 DME (NOPT)	335.00 / 10.50 (MSO R-155)	8700
OCFOW/MSO 25.00 DME (IAF)	WURTH/MSO 16.00 DME (NOPT)	020.00 / 4.92 (HDG) & 335.00 / 5.28 (MSO R-155)	8700
WURTH/MSO 16.00 DME (IF)	STEVI/MSO 10.00 DME	335.00 / 6.00 (MSO R-155)	8100

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 3206 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: VOR/DME OR GPS-B
MISSOULA, MT	AIRPORT NAME: MISSOULA INTL	MSO	VOR/DME-B, AMDT 6 23 SEP 2010	AMDT: 5 DATED: 12/22/2005

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
ELIZABETHTOWN, NC	**ELEVATION: 132 TDZE: 133** AIRPORT NAME: **CURTIS L BROWN JR FIELD**	**GPS**	**GPS RWY 15, ORIG, 07/15/1999**	SUP AMDT **NONE** DATE

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

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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 23 SEP 2010

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 132 TDZE: 123	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
ELIZABETHTOWN, NC	AIRPORT NAME: **CURTIS L BROWN JR FIELD**	**GPS**	**GPS RWY 33, ORIG, 07/15/1999**	AMDT **NONE**
				DATE

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

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WOBOM (IAF)	EXBEL (NOPT) (FB)	242.14 / 5.00	3100
JUXOR (IAF)	EXBEL (NOPT) (FB)	062.04 / 5.00	3100
EXBEL (IF/IAF)	EBURY (FB)	152.09 / 6.00	2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW15

CLIMB TO 3100 DIRECT ESURE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW EXBEL, RT, 152.09 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 152.13 FAF: EBURY DIST FAF TO MAP: 5.65 THLD: 5.65
4. MIN. ALT: EXBEL 3100, EBURY 2000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: EBURY 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 332.25 INBOUND.
CHART FAS OBST: 231 TREE 343708N/0783528W
CHART FAS OBST: 492 TOWER 343732N/0783727W
CHART 150 TREE 343636N/0783505W.
DISTANCE TO THLD FROM 250 HAT: 0.66 NM.
CHART VDP AT 1.12 MILES TO RW15* *LNAV ONLY.
WAAS CHANNEL # 82419
REFERENCE PATH ID: W15A

MAG VAR: 8W 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	382	1	250	382	1	250	382	1	250	382	1	250			
LNAV/VNAV DA	529	1 1/2	397	529	1 1/2	397	529	1 1/2	397	529	1 1/2	397			
LNAV MDA	660	1	528	660	1	528	660	1 1/2	528	660	1 3/4	528			
CIRCLING	660	1	528	660	1	528	660	1 1/2	528	800	2	668			

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.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FAYETTEVILLE, NC ALTIMETER SETTING AND SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	AIRPORT	FACILITY IDENTIFIER	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
ELIZABETHTOWN, NC	ELEVATION: 132 TDZE: 132 AIRPORT NAME: CURTIS L BROWN JR FIELD	RNAV	RNAV (GPS) RWY 15, ORIG 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.

INCREASE ALL DA 72 FT AND LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE; INCREASE ALL MDA 80 FT AND INCREASE LNAV VISIBILITY CATS C AND D 1/4 MILE AND INCREASE CIRCLING VISIBILITY CAT C 1/4 MILE AND CAT D 1/2 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FAYETTEVILLE, NC ALTIMETER SETTING.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).

TAA

	FROM	TO	ALT
1.	062/30 CW 242/30 (NOPT)	EXBEL (IF/IAF) (FB)	3100
2.	242/30 CW 332/30	WOBOM (IAF) (FB)	3100
3.	332/30 CW 062/30	JUXOR (IAF) (FB)	3100

QUALITY 9 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
ELIZABETHTOWN, NC	ELEVATION: 132 TDZE: 132 AIRPORT NAME: CURTIS L BROWN JR FIELD	RNAV	RNAV (GPS) RWY 15, ORIG 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEYF
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	343626.5460N
LTP/FTP LONGITUDE	0783502.8650W
LTP/FTP ELLIPSOIDAL HEIGHT	+00043
FPAP LATITUDE	343514.1900N
FPAP LONGITUDE	0783359.7000W
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	66F8043F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00391
FPAP ORTHOMETRIC HEIGHT	+00391

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 132 TDZE: 132	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ELIZABETHTOWN, NC	AIRPORT NAME: CURTIS L BROWN JR FIELD	RNAV	RNAV (GPS) RWY 15, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   EBURY K70    W     N34410168W078390341                    W0087     NAR           EBURY
          SUSAEAENRT   ESURE K70    W     N34270310W078265207                    W0088     NAR           ESURE
          SUSAEAENRT   EXBEL K70    W     N34455393W078431953                    W0087     NAR           EXBEL
          SUSAEAENRT   JUXOR K70    W     N34425758W078481428                    W0086     NAR           JUXOR
          SUSAEAENRT   WOBOM K70    W     N34485008W078382443                    W0088     NAR           WOBOM

          1         2         3         4         5         6         7         8         9  —      0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEYFK7AEYF     0     049YHN34360650W078344538W008000132         1800018000C    MNAR    CURTIS L BROWN JR FIELD

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEYFK7FR15   AEXBEL 010EXBELK7EA0EE AR   HF                    15210040    + 03100     18000                A JS
          SUSAP KEYFK7FR15   AJUXOR 010JUXORK7EA0E  A    IF                                        18000                A JS
          SUSAP KEYFK7FR15   AJUXOR 020EXBELK7EA0EE B 010TF                     06200050    + 03100                          A JS
          SUSAP KEYFK7FR15   AWOBOM 010WOBOMK7EA0E  A    IF                                        18000                A JS
          SUSAP KEYFK7FR15   AWOBOM 020EXBELK7EA0EE B 010TF                     24210050    + 03100                          A JS
          SUSAP KEYFK7FR15   R      010EXBELK7EA0E  I    IF                                + 03100     18000                A JS
          SUSAP KEYFK7FR15   R      020EBURYK7EA1E  F 051TF                     15210060    + 02000                          A JS
          SUSAP KEYFK7FR15   R      020EBURYK7EA2WALPV       ALNAV/VNAV ALNAV                                                 JS
          SUSAP KEYFK7FR15   R      030RW15 K7PG0GY M 031TF                     15210057      00173           -300           A JS
          SUSAP KEYFK7FR15   R      040         0  M  010CA                     1521        + 00382                          A JS
          SUSAP KEYFK7FR15   R      050ESUREK7EA0EY   010DF                                 + 03100                          A JS
          SUSAP KEYFK7FR15   R      060ESUREK7EA0EE  R020HM                     33230040    + 03100                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEYFK7GRW15    0049981522 N34362655W078350287-0100    +0004300128000045075R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEYFK7PR15   RW15 001 0000W15A0N3436265460W07835028650+000430300N3435141900W078335970001067512240004 50F40050066F8043F
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 132 TDZE: 132	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ELIZABETHTOWN, NC	AIRPORT NAME: **CURTIS L BROWN JR FIELD**	**RNAV**	**RNAV (GPS) RWY 15, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEYFK7PR15    RW15 002E       +00391+00391LPV       82419
```

QUALITY CHECKED 4

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
ELIZABETHTOWN, NC	**ELEVATION: 132 TDZE: 132** AIRPORT NAME: **CURTIS L BROWN JR FIELD**	**RNAV**	**RNAV (GPS) RWY 15, ORIG** 23 SEP 2010	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
IFDOS (IAF)	ESURE (NOPT) (FB)	242.30 / 5.00	3100
IBEKE (IAF)	ESURE (NOPT) (FB)	062.20 / 5.00	3100
ESURE (IF/IAF)	EZBOX (FB)	332.25 / 6.00	1700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

CLIMB TO 3100 DIRECT EXBEL AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE ESURE, RT, 332.25 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 332.21 FAF: EZBOX DIST FAF TO MAP: 4.73 THLD: 4.73
4. MIN. ALT: ESURE 3100, EZBOX 1700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1700 GS ALT AT: EZBOX 1700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 51.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 152.09 INBOUND.
CHART FAS OBST: 195 TREE 343520N/0783353W
FAS OBST: 329 AAO 343203N/0783148W
DISTANCE TO THLD FROM 200 HAT: 0.50 NM.
CHART VDP AT 1.34 MILES TO RW33* *LNAV ONLY.
WAAS CHANNEL # 70519
REFERENCE PATH ID: W33A

MAG VAR: 8W 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	331	3/4	200	331	3/4	200	331	3/4	200	331	3/4	200			
LNAV/VNAV DA	465	1 1/4	334	465	1 1/4	334	465	1 1/4	334	465	1 1/4	334			
LNAV MDA	580	1	449	580	1	449	580	1 1/4	449	580	1 1/2	449			
CIRCLING	580	1	448	600	1	468	600	1 1/2	468	800	2	668			

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.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FAYETTEVILLE, NC ALTIMETER SETTING AND SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 132 TDZE: 131	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ELIZABETHTOWN, NC	AIRPORT NAME: CURTIS L BROWN JR FIELD	RNAV	RNAV (GPS) RWY 33, ORIG 23 SEP 2010	AMDT: NONE
				DATED

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

NOTES CONT.
INCREASE ALL DA 72 FT AND LPV VISIBILITY ALL CATS AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE;
INCREASE ALL MDA 80 FT AND INCREASE LNAV VISIBILITY CATS C AND D 1/4 MILE AND CIRCLING VISIBILITY CAT D 1/2 MILE.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FAYETTEVILLE, NC ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW-15C (5F) OR ABOVE 48C (118F).

TAA

	FROM	TO	ALT
1.	242/30 CW 062/30 (NOPT)	ESURE (IF/IAF) (FB)	3100
2.	062/30 CW 152/30	IBEKE (IAF) (FB)	3100
3.	152/30 CW 242/30	IFDOS (IAF) (FB)	3100



CITY AND STATE	ELEVATION: 132 TDZE: 131	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ELIZABETHTOWN, NC	AIRPORT NAME: CURTIS L BROWN JR FIELD	RNAV	RNAV (GPS) RWY 33, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEYF
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	343546.4640N
LTP/FTP LONGITUDE	0783427.8720W
LTP/FTP ELLIPSOIDAL HEIGHT	+00022
FPAP LATITUDE	343658.8200N
FPAP LONGITUDE	0783531.0500W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	DC7B8366

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00370
FPAP ORTHOMETRIC HEIGHT	+00370

QUALITY CHECKED

CITY AND STATE	ELEVATION: 132 TDZE: 131	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ELIZABETHTOWN, NC	AIRPORT NAME: CURTIS L BROWN JR FIELD	RNAV	RNAV (GPS) RWY 33, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ESURE K70    W     N34270310W078265207                        W0088     NAR          ESURE
        SUSAEAENRT   EXBEL K70    W     N34455393W078431953                        W0087     NAR          EXBEL
        SUSAEAENRT   EZBOX K70    W     N34315569W078310665                        W0088     NAR          EZBOX
        SUSAEAENRT   IBEKE K70    W     N34240743W078314631                        W0087     NAR          IBEKE
        SUSAEAENRT   IFDOS K70    W     N34295857W078215749                        W0089     NAR          IFDOS

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEYFK7AEYF     0     049YHN34360650W078344538W008000132         18000018000C    MNAR    CURTIS L BROWN JR FIELD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEYFK7FR33   AESURE 010ESUREK7EA0EE AR   HF                    33230040    + 03100     18000                A JS
        SUSAP KEYFK7FR33   AIBEKE 010IBEKEK7EA0E  A    IF                                        18000                A JS
        SUSAP KEYFK7FR33   AIBEKE 020ESUREK7EA0EE B 010TF                     06220050    + 03100                          A JS
        SUSAP KEYFK7FR33   AIFDOS 010IFDOSK7EA0E  A    IF                                        18000                A JS
        SUSAP KEYFK7FR33   AIFDOS 020ESUREK7EA0EE B 010TF                     24230050    + 03100                          A JS
        SUSAP KEYFK7FR33   R      010ESUREK7EA0E  I    IF                                  + 03100     18000                A JS
        SUSAP KEYFK7FR33   R      020EZBOXK7EA1E  F 051TF                     33230060    + 01700                          A JS
        SUSAP KEYFK7FR33   R      020EZBOXK7EA2WALPV       ALNAV/VNAV ALNAV                                                 JS
        SUSAP KEYFK7FR33   R      030RW33 K7PG0GY M 031TF                     33220047      00173              -300        A JS
        SUSAP KEYFK7FR33   R      040         0  M  010CA                     3322        + 00331                          A JS
        SUSAP KEYFK7FR33   R      050EXBELK7EA0EY   010DF                                 + 03100                          A JS
        SUSAP KEYFK7FR33   R      060EXBELK7EA0EE  R020HM                     15210040    + 03100                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEYFK7GRW33    0049983322 N34354646W078342787+0100    +00022001220000051075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEYFK7PR33   RW33 001 0000W33A0N3435464640W07834278720+000220300N3436588200W078353105001067512240005l0F400350DC7B8366
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 132 TDZE: 131	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ELIZABETHTOWN, NC	AIRPORT NAME: **CURTIS L BROWN JR FIELD**	**RNAV**	**RNAV (GPS) RWY 33, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEYFK7PR33    RW33 002E       +00370+00370LPV        70519
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 132 TDZE: 131	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ELIZABETHTOWN, NC	AIRPORT NAME: **CURTIS L BROWN JR FIELD**	**RNAV**	**RNAV (GPS) RWY 33, ORIG** 23 SEP 2010	AMDT: **NONE** DATED:

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FAY VOR/DME (IAF)	VIYUC/15.00 DME	151.52 / 15.00	2200
VIYUC/15.00 DME (IF)	SLITT/21.00 DME	151.52 / 6.00 (FAY R-152)	2200

MISSED APPROACH

MAP: 26.83 DME FIX

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2200 ON FAY R-152 TO SLITT/21.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 151.52 INBOUND.
CHART FAS OBST: 492 TOWER 343732N/0783727W
SLITT TO RW15: 3.28/43

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT VIYUC/15.00 DME
3. FAC 151.52 FAF SLITT/21.00 DME DIST FAF TO MAP ____ THLD 5.83
4. MIN. ALT VIYUC 2200, SLITT 2200
8. MSA FROM: FAY VOR/DME 3200 (28 NM)

MAG VAR: 4W 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
S-15	760	1	628	760	1 1/4	628	760	1 3/4	628	760	2	628			
CIRCLING	760	1	628	760	1 1/4	628	760	1 3/4	628	800	2	668			

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 FAYETTEVILLE ALTIMETER SETTING AND INCREASE ALL MDA 80 FT AND INCREASE S-15 VISIBILITY CATS C AND D 1/4 MILE AND INCREASE CIRCLING
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 132 TDZE: 132	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
ELIZABETHTOWN, NC	AIRPORT NAME: CURTIS L BROWN JR FIELD	FAY	VOR/DME RWY 15, AMDT 2	AMDT 1
			23 SEP 2010	DATE 03/20/2003

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

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
VISIBILITY CAT C 1/4 MILE, AND CAT D 1/2 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FAY VOR/DME ON AIRWAY RADIALS 102 CW 178.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 132 TDZE: 132	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ELIZABETHTOWN, NC	AIRPORT NAME: **CURTIS L BROWN JR FIELD**	**FAY**	**VOR/DME RWY 15, AMDT 2** 23 SEP 2010	AMDT: **1**
				DATED: **03/20/2003**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
STOVE INT	ASHEE NDB/I-JUH 5.11 DME	172.56 / 20.37	7200
MULBE INT	ASHEE NDB/I-JUH 5.11 DME	007.67 / 9.69	6400

MISSED APPROACH

MAP: 3.08 MILES AFTER ASHEE NDB/I-JUH 5.11 DME OR AT ESUGY/I-JUH 2.03 DME FIX

CLIMBING LEFT TURN TO 6400 DIRECT ASHEE NDB/I-JUH 5.11 DME AND HOLD, CONTINUE CLIMB-IN-HOLD, OR AS DIRECTED BY ATC.
ALTERNATE MA: CLIMBING LEFT TURN TO 7000 VIA HEADING 096 AND BZM VOR/DME R-356 TO HUBVA/BZM 30.76 DME AND HOLD N, LT, 176.46 INBOUND, CONTINUE CLIMB-IN-HOLD TO 7000. (DME REQUIRED).

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 275.90 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD N HUBVA/BZM 30.76 DME, LT, 176.46 INBOUND.
FAS OBST: 3359 AAO 362608N/0811921W
CHART IN PLANVIEW: HUBVA/BZM 30.76 DME.
ASHEE NDB TO RW28: 3.56/44.
CHART: MAX 10000 AT ASHEE NDB

1. PT R SIDE OF COURSE 095.90 OUTBOUND 5700 FT WITHIN 10 MILES OF ASHEE NDB (IAF)
2.
3. FAC 275.90 FAF ASHEE NDB/I-JUH 5.11 DME DIST FAF TO MAP 3.08 THLD 4.38
4. MIN. ALT FOGMU 5700, ASHEE NDB 4800
8. MSA FROM: JU NDB 7000

MAG VAR: 7W EPOCH YEAR:2000

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-28	4220	1 1/2	1064	4220	1 1/2	1064	4220	3	1064	4220	3	1064			
CIRCLING	4280	1 1/2	1100	4280	1 1/2	1100	4280	3	1100	4680	3	1500			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: ADF REQUIRED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: ADF AND DME OR RADAR REQUIRED.
SEE 8260-10

@ CAT A, B 1100-2, CAT C 1100-3, CAT D 1500-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 3180 TDZE: 3156	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
JEFFERSON, NC	AIRPORT NAME: ASHE COUNTY	I-JUH	LOC RWY 28, AMDT 2 23 SEP 2010	AMDT 1
				DATE 05/12/2005

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MARION/WYTHEVILLE ALTIMETER SETTING AND INCREASE ALL MDA 160 FEET.

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JEFFERSON, NC	ELEVATION: 3180 TDZE: 3156 AIRPORT NAME: ASHE COUNTY	I-JUH	LOC RWY 28, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 05/12/2005

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
AIA VOR/DME	DEMTY/I-BYE 12.78 DME	124.53 / 11.98	6100
DEMTY/I-BYE 12.78 DME (IF/IAF)	EBEBY/I-BYE 6.70 DME	303.32 / 6.08 (I-BYE)	5600

MISSED APPROACH

ILS: DA
LOC: 5.02 MILES AFTER EBEBY OR AT I-BYE 1.68 DME FIX

CLIMB TO 5700 THEN RIGHT TURN DIRECT AIA VOR/DME AND HOLD; OR WHEN DIRECTED BY ATC, ALTERNATE MA: CLIMB TO 5700 THEN CLIMBING LEFT TURN TO 6200 DIRECT BFF VORTAC AND HOLD NE, RT, 245.00 INBOUND.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 124.53 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD NE BFF VORTAC, RT, 245.00 INBOUND.
CHART IN PLANVIEW: BFF VORTAC.
FAS OBST: 4233 AAO 415936N/1024409W.
CHART VDP AT 3.32 DME*
DISTANCE VDP TO THLD 1.64 MILES * LOC ONLY.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. **HOLD SE DEMTY, RT, 303.32 INBOUND, 6100 FT. IN LIEU OF PT (IAF)**
3. FAC: **303.32** FAF: **EBEBY/I-BYE 6.70 DME** DIST FAF TO MAP: **5.02** THLD: **5.02**
4. MIN. ALT: **DEMTY 6100, EBEBY 5600**
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: **1040**
6. MIN GS INCPT: **5600** GS ALT AT: **EBEBY/I-BYE 6.70 DME 5600** OM: - MM: - IM: -
7. GS ANGLE: **3.00** TCH: **54.9**
8. MSA FROM: **AIA VOR/DME 360-180 5700, 180-360 6800**

MAG VAR: **11E** EPOCH YEAR: **1980**

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 30	**4127**	**1/2**	**200**	**4127**	**1/2**	**200**	**4127**	**1/2**	**200**	**4127**	**1/2**	**200**			
S-LOC 30	**4500**	**1/2**	**573**	**4500**	**1/2**	**573**	**4500**	**1**	**573**	**4500**	**1 1/4**	**573**			
CIRCLING	**4500**	**1**	**569**	**4500**	**1**	**569**	**4520**	**1 1/2**	**589**	**4520**	**2**	**589**			

NOTES:
CHART NOTE: CIRCLING TO RWY 8 NA AT NIGHT.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING SCOTTSBLUFF ALTIMETER SETTING INCREASE S-ILS 30 VISIBILITY ALL CATS TO 1 MILE.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SCOTTSBLUFF ALTIMETER SETTING AND SEE 8260-10

CITY AND STATE		FACILITY IDENTIFIER	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ALLIANCE, NE	**ELEVATION: 3931 TDZE: 3927** AIRPORT NAME: **ALLIANCE MUNI**	**I-BYE**	**ILS OR LOC/DME RWY 30, ORIG** 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
INCREASE ALL DA 91 FEET AND ALL MDA 100 FEET, INCREASE S-LOC 30 CAT C/D VISIBILITY 1/2 MILE, CIRCLING CAT C 1/2 MILE AND CAT D 1/4 MILE.
CHART NOTE: VDP NA WHEN USING SCOTTSBLUFF ALTIMETER SETTING.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
ALLIANCE, NE	**ELEVATION: 3931 TDZE: 3927** AIRPORT NAME: **ALLIANCE MUNI**	**I-BYE**	**ILS OR LOC/DME RWY 30, ORIG** 23 SEP 2010	SUP: AMDT: **NONE** DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC/DME 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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
ALLIANCE, NE	**ELEVATION: 3931 TDZE: 3927** AIRPORT NAME: **ALLIANCE MUNI**	**I-BYE**	**LOC/DME RWY 30, ORIG-B, 12/18/2008**	SUP AMDT **ORIG-A** DATE **09/25/2008**

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EVENN	AYULI (FB)	208.52 / 13.32	6100
BFF VORTAC	ACEHO (FB)	082.71 / 35.36	6800
ACEHO (IAF)	DEMTY (NOPT) (FB)	033.39 / 5.00	6100
AYULI (IAF)	DEMTY (NOPT) (FB)	213.49 / 5.00	6100
JADOB (IAF)	DEMTY (NOPT) (FB)	337.03 / 18.58	6100
DEMTY (IF/IAF)	EBEBY (FB)	303.44 / 6.08	5600

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW30

CLIMB TO 5900 DIRECT JIVAM AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 123.18 INBOUND.
CHART FAS OBST: 3962 TREE 420209N/1024715W
CHART FAS OBST: 4184 TREE 420212N/1024543W
DISTANCE TO THLD FROM 200 HAT: 0.46 NM.
WAAS CHANNEL # 82102
REFERENCE PATH ID: W30A
CHART VDP AT 1.33 MILES TO RW30*
* LNAV ONLY.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE DEMTY, RT, 303.44 INBOUND, 6100 FT. IN LIEU OF PT (IAF)
3. FAC: 303.37 FAF: EBEBY DIST FAF TO MAP: 5.02 THLD: 5.02
4. MIN. ALT: DEMTY 6100, EBEBY 5600, ZUNUB/2.40 NM TO RW30 4740*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 5600 GS ALT AT: EBEBY 5600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.9 34:1 IS CLEAR
8. MSA FROM: RW30 6800

MAG VAR: 11E EPOCH YEAR: 1980

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	4127	1/2	200	4127	1/2	200	4127	1/2	200	4127	1/2	200			
LNAV/VNAV DA	4221	1/2	294	4221	1/2	294	4221	1/2	294	4221	3/4	294			
LNAV MDA	4400	1/2	473	4400	1/2	473	4400	3/4	473	4400	1	473			
CIRCLING	4400	1	469	4500	1	569	4520	1 1/2	589	4520	2	589			

NOTES:
CHART NOTE: CIRCLING TO RWY 8 NA AT NIGHT.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV CAT D VISIBILITY TO 1 MILE.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C (-7F) OR ABOVE 41C (105F).
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 3931 TDZE: 3927	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ALLIANCE, NE	AIRPORT NAME: ALLIANCE MUNI	RNAV	RNAV (GPS) RWY 30, AMDT 1	AMDT: ORIG-B
			23 SEP 2010	DATED 12/18/2008

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

NOTES, (CONT.):
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING SCOTTSBLUFF ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SCOTTSBLUFF ALTIMETER SETTING AND INCREASE ALL DA 91 FEET AND ALL MDA 100 FEET, INCREASE LNAV/VNAV CATS A, B, C AND LNAV CATS C, D VISIBILITY 1/4 MILE, INCREASE CIRCLING CAT C 1/2 MILE AND CAT D 1/4 MILE.

CITY AND STATE	ELEVATION: 3931 TDZE: 3927	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ALLIANCE, NE	AIRPORT NAME: ALLIANCE MUNI	RNAV	RNAV (GPS) RWY 30, AMDT 1 23 SEP 2010	AMDT: ORIG-B
				DATED: 12/18/2008

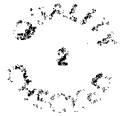
Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAIA
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	420232.5055N
LTP/FTP LONGITUDE	1024739.6685W
LTP/FTP ELLIPSOIDAL HEIGHT	+11774
FPAP LATITUDE	420336.1700N
FPAP LONGITUDE	1024907.1700W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
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	84F1EE80

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+11962
FPAP ORTHOMETRIC HEIGHT	+11962



ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        BFF   K3011260VTH  N41533898W103285528     N41533898W103285528E0130041702     NARSCOTTSBLUFF
```

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   ACEHO K30    W     N41511213W102414254                E0079     NAR          ACEHO
          SUSAEAENRT   AYULI K30    W     N41582070W102321987                E0078     NAR          AYULI
          SUSAEAENRT   DEMTY K30    C     N41544651W102370147                E0079     NAR          DEMTY
          SUSAEAENRT   EBEBY K30    C     N41590194W102425080                E0079     NAR          EBEBY
          SUSAEAENRT   EVENN K30    R   L N42083805W102205813                E0077     NAR          EVENN
          SUSAEAENRT   JADOB K30    C   L N41363583W102315175                E0078     NAR          JADOB
          SUSAEAENRT   JIVAM K30    W     N42113547W103000838                E0081     NAR          JIVAM
          SUSAEAENRT   ZUNUB K30    W     N42005184W102452146                E0079     NAR          ZUNUB
```

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KAIAK3AAIA     0     092YHN42031160W102481360E011003931          1800018000C    MNAR    ALLIANCE MUNI
```

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KAIAK3FR30   ABFF   010BFF  K3D 0V       IF                                          18000              A JS
          SUSAP KAIAK3FR30   ABFF   020ACEHOK3EA0E  A 020TF                  08270354    + 06800                         A JS
          SUSAP KAIAK3FR30   ABFF   030DEMTYK3EA0EE B 010TF                  03340050    + 06100                         A JS
          SUSAP KAIAK3FR30   ADEMTY 010DEMTYK3EA0EE AR   HF                30340070    + 06100    18000                A JS
          SUSAP KAIAK3FR30   AEVENN 010EVENNK3EA0E       IF                                     18000                   A JS
          SUSAP KAIAK3FR30   AEVENN 020AYULIK3EA0E  A 020TF                  20850133    + 06100                         A JS
          SUSAP KAIAK3FR30   AEVENN 030DEMTYK3EA0EE B 010TF                  21350050    + 06100                         A JS
          SUSAP KAIAK3FR30   AJADOB 010JADOBK3EA0E  A    IF                                     18000                   A JS
          SUSAP KAIAK3FR30   AJADOB 020DEMTYK3EA0EE B 010TF                  33700186    + 06100                         A JS
          SUSAP KAIAK3FR30   R      010DEMTYK3EA0E  I    IF                                + 06100    18000              A JS
          SUSAP KAIAK3FR30   R      020EBEBYK3EA1E  F 051TF                  30340061    + 05600                RW30  K3PGA JS
          SUSAP KAIAK3FR30   R      020EBEBYK3EA2WALPV       ALNAV/VNAV ALNAV                                              JS
          SUSAP KAIAK3FR30   R      021ZUNUBK3EA0E S  031TF                  30340026    V 0474004750       -300          A JS
          SUSAP KAIAK3FR30   R      030RW30 K3PG0GY M 031TF                  30340024      03980            -300          A JS
```

CITY AND STATE	ELEVATION: 3931 TDZE: 3927	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO /EFFECTIVE DATE:	SUP:
ALLIANCE, NE	AIRPORT NAME: **ALLIANCE MUNI**	**RNAV**	**RNAV (GPS) RWY 30, AMDT 1** 23 SEP 2010	AMDT: **ORIG-B**
				DATED: **12/18/2008**

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KAIAK3FR30   R      040         0  M  010CA                    3034       + 04127                          A JS
        SUSAP KAIAK3FR30   R      050JIVAMK3EA0EY   010DF                               + 05900                          A JS
        SUSAP KAIAK3FR30   R      060JIVAMK3EA0EE  R020HM                   12320050    + 05900                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KAIAK3GRW30    0092023033 N42023251W102473967+0100     +117740392500005515OI

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KAIAK3PR30   RW30 001 0000W30A0N4202325055W10247396685+117740300N4203361700W10249071700106750008000549F40035084F1EE80
        SUSAP KAIAK3PR30   RW30 002E      +11962+11962LPV       82102

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KAIAK3SRW30 K3PG              0   18018006825                                                              M
```

CITY AND STATE	ELEVATION: 3931 TDZE: 3927	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ALLIANCE, NE	AIRPORT NAME: **ALLIANCE MUNI**	**RNAV**	**RNAV (GPS) RWY 30, AMDT 1** 23 SEP 2010	AMDT: **ORIG-B**
				DATED: **12/18/2008**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
VCN VORTAC	**MASEE (FO)**	**126.78 / 7.24**	**1900**
MASEE (IF/IAF)	**CIKSO (FB)**	**029.10 / 6.21**	**1600**

MISSED APPROACH

LNAV: RW03

CLIMBING LEFT TURN TO 1900 DIRECT MASEE AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 169 TREE 393730N/0744532W
CHART 325 TOWER 393731N/0744722W.
CIKSO TO RW03: 3.04/40.
CHART ATLANTIC CITY ASOS
CHART ARPT ELEV 65

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. **HOLD SW MASEE, RT, 029.10 INBOUND, 1900 FT. IN LIEU OF PT (IAF)**
3. FAC: **029.12** FAF: **CIKSO** DIST FAF TO MAP: **4.64** THLD: **4.64**
4. MIN. ALT: **MASEE 1900, CIKSO 1600, WOKES/2.00 NM TO RW03 740**
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: **RW03 2100**

MAG VAR: **13W** 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		
	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	**480**	**1**	**415**	**480**	**1**	**415**	**480**	**1 1/4**	**415**		**NA**				
CIRCLING	**540**	**1**	**475**	**540**	**1**	**475**	**540**	**1 1/2**	**475**		**NA**				

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: USE ATLANTIC CITY ALTIMETER SETTING; WHEN NOT RECEIVED, USE MOUNT HOLLY ALTIMETER
SEE 8260-10

QUALITY CHECKED

CITY AND STATE	ELEVATION: 65 TDZE: 65	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HAMMONTON, NJ	AIRPORT NAME: **HAMMONTON MUNI**	**RNAV**	**RNAV (GPS) RWY 3, AMDT 1** 23 SEP 2010	AMDT: **ORIG** DATED **03/20/2003**

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON VCN VORTAC AIRWAY RADIALS 066 CW 160.

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        VCN   K6011520VTLW N39321562W074580172    N39321562W074580172W0100001201     NARCEDAR LAKE

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   CIKSO K60    W     N39351828W074471429                    W0123     NAR          CIKSO
          SUSAEAENRT   MASEE K60    W     N39291988W074492798                    W0123     NAR          MASEE
          SUSAEAENRT   WOKES K60    W     N39375044W074461741                    W0124     NAR          WOKES

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP N81 K6AN81     0     036YHN39400290W074452780W013000065         1800018000C    MNAR    HAMMONTON MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP N81 K6FR03   AVCN   010VCN  K6D 0V       IF                                          18000              B JS
          SUSAP N81 K6FR03   AVCN   020MASEEK6EA0EY   020TF                    12680072    + 01900                      B JS
          SUSAP N81 K6FR03   AVCN   030MASEEK6EA0EE AR   HF                    02910040    + 01900                      B JS
          SUSAP N81 K6FR03   R      010MASEEK6EA0E  I    IF                                + 01900    18000             B JS
          SUSAP N81 K6FR03   R      020CIKSOK6EA1E  F 051TF                    02910062    + 01600          RW03  K6PGB JS
          SUSAP N81 K6FR03   R      020CIKSOK6EA2WN          N          ALNAV                                          JS
          SUSAP N81 K6FR03   R      021WOKESK6EA0E S  031TF                    02910026    V 0074000745       -304        B JS
          SUSAP N81 K6FR03   R      030RW03 K6PGOGY M 031TF                    02910020      00104            -304        B JS
          SUSAP N81 K6FR03   R      040         0  M  010CA                    0291        + 00465                      B JS
          SUSAP N81 K6FR03   R      050MASEEK6EA0EY  L010DF                                + 01900                      B JS
          SUSAP N81 K6FR03   R      060MASEEK6EA0EE  R020HM                    02910040    + 01900                      B JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP N81 K6GRW03    0036010291 N39394581W074453423-0200    -0013800064000040075R
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 65 TDZE: 65	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HAMMONTON, NJ	AIRPORT NAME: **HAMMONTON MUNI**	**RNAV**	**RNAV (GPS) RWY 3, AMDT 1** 23 SEP 2010	AMDT: **ORIG**
				DATED: **03/20/2003**

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP N81 K6SRW03 K6PG              0   18018002125                                                        M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 65 TDZE: 65	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HAMMONTON, NJ	AIRPORT NAME: HAMMONTON MUNI	RNAV	RNAV (GPS) RWY 3, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 03/20/2003

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
VCN VORTAC (IF/IAF)	LOSOM INT/VCN 6.62 DME (NOPT)	061.00 / 6.62	1700

MISSED APPROACH

MAP: 5.58 MILES AFTER LOSOM INT/VCN 6.62 DME OR AT JOBMI/VCN 12.20 DME FIX

CLIMBING RIGHT TURN TO 2000 DIRECT VCN VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 061.00 INBOUND.
CHART FAS OBST: 189 TREE 393927N/0744835W
CHART ATLANTIC CITY ASOS
CHART ARPT ELEV 65
FAC CROSSES MID POINT OF RWY 3-21.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT VCN VORTAC
3. FAC 061.00 FAF LOSOM INT/VCN 6.62 DME DIST FAF TO MAP 5.58 THLD ____
4. MIN. ALT VCN VORTAC 2000, LOSOM 1700, IKEXY/VCN 10.30 DME 640
8. MSA FROM: VCN VORTAC 090-270 1700, 270-090 2100

MAG VAR: 10W EPOCH YEAR:1980

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
CIRCLING	640	1	575	640	1	575	640	1 1/2	575		NA				
IKEXY FIX MINIMUMS															
CIRCLING	540	1	475	540	1	475	540	1 1/2	475		NA				

NOTES:

CHART NOTE: USE ATLANTIC CITY ALTIMETER SETTING; WHEN NOT RECEIVED USE MOUNT HOLLY ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON VCN VORTAC AIRWAY RADIALS 066 CW 160.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 65 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
HAMMONTON, NJ	HAMMONTON MUNI	VCN	VOR-A, AMDT 7 23 SEP 2010	AMDT 6A
				DATE 09/28/2006

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CYN VORTAC (IAF)	**BEREW INT/VCN 25.60 DME**	**274.18 / 5.04**	**2000**
BEREW INT/VCN 25.60 DME (IF)	**DORTH INT/VCN 17.80 DME**	**240.46 / 7.80 (CEDAR LAKE R-060)**	**1700**

MISSED APPROACH

MAP: 5.11 MILES AFTER DORTH INT/VCN 17.80 DME OR AT VCN 12.69 DME FIX

CLIMB TO 2000 DIRECT VCN VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 061.00 INBOUND.
FAS OBST: 259 AAO 394243N/0743911W
FAC CROSSES RWY 21 THLD.
CHART ATLANTIC CITY ASOS
309 AAO 3943323N/0743915W
CHART ARPT ELEV 65

1. PT **NA** SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. **PROFILE STARTS AT BEREW**
3. FAC **240.46** FAF **DORTH INT/VCN 17.80 DME** DIST FAF TO MAP **5.11** THLD
4. MIN. ALT **BEREW 2000, DORTH 1700**
8. MSA FROM: **VCN VORTAC 090-270 1700, 270-090 2100**

MAG VAR: **10W** EPOCH YEAR: **1980**

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
CIRCLING	**560**	**1**	**495**	**560**	**1**	**495**	**560**	**1 1/2**	**495**		**NA**				

NOTES:

CHART NOTE: USE ATLANTIC CITY ALTIMETER SETTING, WHEN NOT RECEIVED USE MOUNT HOLLY ALTIMETER SETTING.
CHART PLAINVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CYN VORTAC AIRWAY RADIALS 226 CW 274.

CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP	
HAMMONTON, NJ	**ELEVATION: 65 TDZE:** AIRPORT NAME: **HAMMONTON MUNI**	**VCN**	**VOR-B, AMDT 2** 23 SEP 2010	AMDT	**1A**
				DATE	**09/28/2006**

FAA FORM 8260-5 / 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.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JARIT INT/I-GPR 10.12 DME/RADAR (IF)	JEENO INT/I-GPR 5.32 DME/RADAR	106.97 / 4.80 (I-GPR)	1600

MISSED APPROACH

ILS: DA
LOC: 4.41 MILES AFTER JEENO INT/RADAR

CLIMB TO 1700 HEADING 106.97, AT TEB VOR/DME R-208 RIGHT TURN TO INTERCEPT TEB VOR/DME R-199 AND COL VOR/DME R-019 TO COL VOR/DME AND HOLD. AT COL 13.00 DME CLIMB TO 3000.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 199.00 INBOUND.
CHART FAS OBST: 358 BLDG 404231N/0741207W
CHART 1806 BLDG 404247N/0740047W.
CHART TEB R-208 IN PLANVIEW
CHART TEB R-199 IN PLANVIEW
CHART PLANVIEW NOTE: LOC OFFSET 1.02 DEGREES.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT JARIT
3. FAC: 106.97 FAF: JEENO INT/I-GPR 5.32 DME/RADAR DIST FAF TO MAP: 4.73 THLD: 4.73
4. MIN. ALT: JARIT 1600, JEENO 1600
5. DIST TO THLD FROM OM: 4.73 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1184
6. MIN GS INCPT: 1600 GS ALT AT: GS INTCP 1600 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 57.0
8. MSA FROM: TEB VOR/DME 2900

MAG VAR: 13W EPOCH YEAR: 1985

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 11	604	2	586	604	2	586	604	2	586	604	2	586			
S-LOC 11	580	5000	562	580	5000	562	580	1 1/2	562	580	1 3/4	562			
CIRCLING	720	1	702	720	1	702	720	2	702	900	3	882			

NOTES:
CHART PLANVIEW NOTE: RADAR REQUIRED.

CAT A, B, C 800-2, CAT D 900-3
@ CAT D 900-3

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 18 TDZE: 18	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
NEWARK, NJ	AIRPORT NAME: NEWARK LIBERTY INTL	I-GPR	ILS OR LOC RWY 11, AMDT 2 23 SEP 2010	AMDT: 1B
				DATED 02/11/2010

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
AGNSS/I-JNN 9.72 DME/RADAR (IF)	VERDE/I-JNN 7.29 DME/RADAR	218.82 / 2.43	2500
VERDE/I-JNN 7.29 DME/RADAR	TALTE/I-JNN 4.09 DME/RADAR	218.82 / 3.20	1500

MISSED APPROACH

ILS: DA
LOC: 4.47 MILES AFTER TALTE/I-JNN 4.09 DME/RADAR

CLIMB TO 3000 ON HEADING 218.82 AND ARD VOR/DME R-069 TO KILMA INT/CRI 24.44 DME AND HOLD; OR AS DIRECTED BY ATC.
ALTERNATE MA: CLIMB TO 3000 ON HEADING 218.82 AND CRI VOR/DME R-263 TO KILMA INT/CRI 24.44 DME AND HOLD W, RT, 083.09 INBOUND.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 068.78 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD W KILMA INT/CRI 24.44 DME, RT, 083.09 INBOUND.
CHART FAS OBST: 291 STACK 404417N/0740736W
CHART VDP AT 0.83 DME;
DISTANCE VDP TO THLD 1.21 MILES.
CHART SUBDUED: RWY 22L OM, MM

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT AGNSS/I-JNN 9.72 DME/RADAR
3. FAC: 218.82 FAF: TALTE/I-JNN 4.09 DME/RADAR DIST FAF TO MAP: 4.47 THLD: 4.47
4. MIN. ALT: AGNSS 3000, VERDE 2500, TALTE 1500
5. DIST TO THLD FROM OM: 4.47 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 914
6. MIN GS INCPT: 1500 GS ALT AT: TALTE/I-JNN 4.09 DME/RADAR 1500 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 48.1
8. MSA FROM: TEB VOR/DME 2900

MAG VAR: 13W EPOCH YEAR: 1985

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 22R	210	1800	200	210	1800	200	210	1800	200	210	1800	200			
S-LOC 22R	460	2400	450	460	2400	450	460	4000	450	460	5000	450			
SIDESTEP 22L	560	5000	550	560	5000	550	560	5000	550	560	6000	550			
CIRCLING 22R	720	1	702	720	1	702	720	2	702	900	3	882			

NOTES:
CHART NOTE: CIRCLING TO RWY 29 NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 22L CATS A AND B.
CHART NOTE: DME OR RADAR REQUIRED.
CHART PLANVIEW NOTE: RADAR REQUIRED.
SEE 8260-10

CAT A, B, C 800-2, CAT D 900-3
@ CAT D 900-3

QUALITY 1 CERTIFIED

CITY AND STATE	AIRPORT NAME	FACILITY IDENTIFIER	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
NEWARK, NJ	ELEVATION: 18 TDZE: 22R 10 TDZE: 22L 10 NEWARK LIBERTY INTL	I-JNN	ILS OR LOC RWY 22R, AMDT 5 23 SEP 2010	SUP: AMDT: 4B DATED 02/11/2010

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE: DISREGARD ALL MARKER BEACON INDICATIONS

QUALITY 1 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
NEWARK, NJ	**ELEVATION: 18** **TDZE: 22R 10** **TDZE: 22L 10** AIRPORT NAME: **NEWARK LIBERTY INTL**	**I-JNN**	**ILS OR LOC RWY 22R, AMDT 5** 23 SEP 2010	SUP: AMDT: **4B** DATED: **02/11/2010**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FAAST	DUCKK (FB)	111.34 / 9.89	8100
DUCKK (IAF)	HIRUT (FB)	111.43 / 6.00	7000
BGTOP (IAF)	HIRUT (FB)	007.79 / 12.99	7000
HIRUT (IF)	GINEC (FB)	041.48 / 6.05	6100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

CLIMB TO 7100 DIRECT JUTEP AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 221.67 INBOUND.
CHART FAS OBST: 4574 TOWER 321505N/1074530W
CHART R-5115.
DISTANCE TO THLD FROM 250 HAT: 0.65 NM.
CHART VDP AT 1.65 MILES TO RW04* *LNAV ONLY.
WAAS CHANNEL # 99319
REFERENCE PATH ID: W04A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HIRUT
3. FAC: 041.53 FAF: GINEC DIST FAF TO MAP: 5.40 THLD: 5.40
4. MIN. ALT: HIRUT 7000, GINEC 6100
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 6100 GS ALT AT: GINEC 6100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM: RW04 16000

MAG VAR: 10E 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	DH/MDA	VIS	HAT/HAA
LPV DA	4562	1	250	4562	1	250	4562	1	250	4562	1	250			
LNAV/VNAV DA	4945	2 1/4	633	4945	2 1/4	633	4945	2 1/4	633	4945	2 1/4	633			
LNAV MDA	4880	1	568	4880	1	568	4880	1 1/2	568	4880	1 3/4	568			
CIRCLING	4880	1	566	4940	1	626	4940	1 3/4	626	4940	2	626			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23C (-9F) OR ABOVE 40C (104F).
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY & CHECKED

CITY AND STATE	ELEVATION: 4314 TDZE: 4312	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DEMING, NM	AIRPORT NAME: DEMING MUNI	RNAV	RNAV (GPS) RWY 4, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED 11/25/2004

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NOTES CONT.
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING LAS CRUCES ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FAAST ON V94 WESTBOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAS CRUCES ALTIMETER SETTING AND INCREASE ALL DA 114 FT AND ALL MDA 120 FT; INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE, INCREASE LNAV CATS C AND D VISIBILITY 1/2 MILE, INCREASE CIRCLING CAT B VISIBILITY 1/4 MILE AND CATS C AND D VISIBILITY 1/2 MILE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 4314 TDZE: 4312	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DEMING, NM	AIRPORT NAME: DEMING MUNI	RNAV	RNAV (GPS) RWY 4, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 11/25/2004

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDMN
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	321523.6600N
LTP/FTP LONGITUDE	1074352.5000W
LTP/FTP ELLIPSOIDAL HEIGHT	+12895
FPAP LATITUDE	321619.1500N
FPAP LONGITUDE	1074230.1800W
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	1024
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	E302AED9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+13139
FPAP ORTHOMETRIC HEIGHT	+13139

QUALITY 4 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
DEMING, NM	ELEVATION: 4314 TDZE: 4312 AIRPORT NAME: DEMING MUNI	RNAV	RNAV (GPS) RWY 4, AMDT 1 23 SEP 2010	SUP: AMDT: ORIG DATED: 11/25/2004

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

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   BGTOP K20    C   L N31555193W107590667                    E0095     NAR           BGTOP
          SUSAEAENRT   DUCKK K20    W     N32112356W108002811                    E0095     NAR           DUCKK
          SUSAEAENRT   FAAST K20    C   L N32163316W108102526                    E0096     NAR           FAAST
          SUSAEAENRT   GINEC K20    W     N32120189W107485143                    E0095     NAR           GINEC
          SUSAEAENRT   HIRUT K20    W     N32081532W107542632                    E0095     NAR           HIRUT
          SUSAEAENRT   JUTEP K20    W     N32230590W107322511                    E0094     NAR           JUTEP

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KDMNK2ADMN     0     080YHN32154430W107431430E010004314         1800018000C    MNAR     DEMING MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KDMNK2FR04   ABGTOP 010BGTOPK2EA0E  A    IF                                          18000                A JS
          SUSAP KDMNK2FR04   ABGTOP 020HIRUTK2EA0EE B 010TF                    00780130    + 07000                       A JS
          SUSAP KDMNK2FR04   AFAAST 010FAASTK2EA0E       IF                                          18000                A JS
          SUSAP KDMNK2FR04   AFAAST 020DUCKKK2EA0E  A 020TF                    11130099    + 08100                       A JS
          SUSAP KDMNK2FR04   AFAAST 030HIRUTK2EA0EE B 010TF                    11140060    + 07000                       A JS
          SUSAP KDMNK2FR04   R      010HIRUTK2EA0E  I    IF                                + 07000     18000             A JS
          SUSAP KDMNK2FR04   R      020GINECK2EA1E  F 051TF                    04150061    + 06100           RW04  K2PGA JS
          SUSAP KDMNK2FR04   R      020GINECK2EA2WALPV       ALNAV/VNAV ALNAV                                          JS
          SUSAP KDMNK2FR04   R      030RW04 K2PG0GY M 031TF                    04150054      04356       -300          A JS
          SUSAP KDMNK2FR04   R      040         0  M  010CA                    0415        + 04562                     A JS
          SUSAP KDMNK2FR04   R      050JUTEPK2EA0EY   010DF                                + 07100                     A JS
          SUSAP KDMNK2FR04   R      060JUTEPK2EA0EE  R020HM                    22170070    + 07100                     A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KDMNK2GRW04    0056750416 N32152366W107435250-0100    +12895043110000450 60R
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 4314 TDZE: 4312	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DEMING, NM	AIRPORT NAME: DEMING MUNI	RNAV	RNAV (GPS) RWY 4, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 11/25/2004

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          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KDMNK2PR04    RW04 001 0000W04A0N3215236600W10743525000+128950300N3216191500W10742301800106751024000450F400500E302AED9
    SUSAP KDMNK2PR04    RW04 002E       +13139+13139LPV        99319

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KDMNK2SRW04 K2PG                0   18018016025                                                                          M
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 4314 TDZE: 4312	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DEMING, NM	AIRPORT NAME: DEMING MUNI	RNAV	RNAV (GPS) RWY 4, AMDT 1 23 SEP 2010	AMDT: ORIG DATED: 11/25/2004

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
NUWIN	JELIG (FB)	237.33 / 24.10	9600
KUNRE	JUDEN (FB)	083.16 / 15.13	8100
JELIG (IAF)	WIGTA (FB)	169.59 / 5.00	7100
JUDEN (IAF)	WIGTA (FB)	079.54 / 5.00	7100
BGTOP (IAF)	WIGTA (FB)	352.21 / 19.81	7100
WIGTA (IF)	ZEMAG (FB)	079.59 / 6.02	6400

MISSED APPROACH

LNAV: RW08

CLIMB TO 8000 DIRECT YATUP AND ON TRACK 014.21 TO NUWIN AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 185.16 INBOUND.
CHART FAS OBST: 4722 TOWER 321644N/1074658W
CHART R-5115.
ZEMAG TO RW08: 3.05/50.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT WIGTA
3. FAC: 079.65 FAF: ZEMAG DIST FAF TO MAP: 6.28 THLD: 6.28
4. MIN. ALT: WIGTA 7100, ZEMAG 6400
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: RW08 16000

MAG VAR: 10E 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	DH/MDA	VIS	HAT/HAA
LNAV MDA	4920	1	606	4920	1	606	4920	1 3/4	606	4920	2	606			
CIRCLING	4920	1	606	4940	1	626	4940	1 3/4	626	4940	2	626			

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.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT NUWIN ON V110 NORTHBOUND AND AT KUNRE ON V94 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 4314 TDZE: 4314	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DEMING, NM	AIRPORT NAME: DEMING MUNI	RNAV	RNAV (GPS) RWY 8, ORIG 23 SEP 2010	AMDT: NONE
				DATED

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NOTES CONT.
WESTBOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAS CRUCES ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET; INCREASE LNAV CATS C AND D VISIBILITY 1/4 MILE, CIRCLING CAT B VISIBILITY 1/4 MILE AND CIRCLING CATS C AND D VISIBILITY 1/2 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4314 TDZE: 4314	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DEMING, NM	AIRPORT NAME: DEMING MUNI	RNAV	RNAV (GPS) RWY 8, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BGTOP K20    C   L N31555193W107590667                    E0095    NAR          BGTOP
        SUSAEAENRT   JELIG K20    W     N32204303W107581520                    E0095    NAR          JELIG
        SUSAEAENRT   JUDEN K20    W     N32154014W108040645                    E0096    NAR          JUDEN
        SUSAEAENRT   KUNRE K20    C   L N32163148W108215548                    E0097    NAR          KUNRE
        SUSAEAENRT   NUWIN K20    C   L N32300434W107320005                    E0094    NAR          NUWIN
        SUSAEAENRT   WIGTA K20    W     N32154242W107581267                    E0095    NAR          WIGTA
        SUSAEAENRT   YATUP K20    W     N32154783W107393468                    E0094    NAR          YATUP
        SUSAEAENRT   ZEMAG K20    W     N32154481W107510700                    E0095    NAR          ZEMAG

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDMNK2ADMN     0     080YHN32154430W107431430E010004314         1800018000C    MNAR    DEMING MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDMNK2FR08   ABGTOP 010BGTOPK2EA0E  A    IF                                                18000                B JS
        SUSAP KDMNK2FR08   ABGTOP 020WIGTAK2EA0EE B 010TF                    35220198    + 07100                                B JS
        SUSAP KDMNK2FR08   AKUNRE 010KUNREK2EA0E       IF                                                18000                B JS
        SUSAP KDMNK2FR08   AKUNRE 020JUDENK2EA0E  A 020TF                    08320151    + 08100                                B JS
        SUSAP KDMNK2FR08   AKUNRE 030WIGTAK2EA0EE B 010TF                    07950050    + 07100                                B JS
        SUSAP KDMNK2FR08   ANUWIN 010NUWINK2EA0E       IF                                                18000                B JS
        SUSAP KDMNK2FR08   ANUWIN 020JELIGK2EA0E  A 020TF                    23730241    + 09600                                B JS
        SUSAP KDMNK2FR08   ANUWIN 030WIGTAK2EA0EE B 010TF                    16960050    + 07100                                B JS
        SUSAP KDMNK2FR08   R      010WIGTAK2EA0E  I    IF                                + 07100    18000                       B JS
        SUSAP KDMNK2FR08   R      020ZEMAGK2EA1E  F 051TF                    07960060    + 06400                RW08  K2PGB JS
        SUSAP KDMNK2FR08   R      020ZEMAGK2EA2WN          N          ALNAV                                                    JS
        SUSAP KDMNK2FR08   R      030RW08 K2PG0GY M 031TF                    07970063      04364          -305                B JS
        SUSAP KDMNK2FR08   R      040          0  M  010CA                    0797        + 04714                                B JS
        SUSAP KDMNK2FR08   R      050YATUPK2EA0E    010DF                                                                      B JS
        SUSAP KDMNK2FR08   R      060NUWINK2EA0EY   010TF                    0142        + 08000                                B JS
        SUSAP KDMNK2FR08   R      070NUWINK2EA0EE  R020HM                    18520070    + 08000                                B JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4314 TDZE: 4314	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DEMING, NM	AIRPORT NAME: DEMING MUNI	RNAV	RNAV (GPS) RWY 8, ORIG	AMDT: NONE
			23 SEP 2010	DATED:

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

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDMNK2GRW08     0080260797 N32154687W107434234-0300     +1290404314000050075R

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDMNK2SRW08 K2PG               0    18018016025                                                                  M
```

QUALITY 4

CITY AND STATE	ELEVATION: 4314 TDZE: 4314	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DEMING, NM	AIRPORT NAME: DEMING MUNI	RNAV	RNAV (GPS) RWY 8, ORIG 23 SEP 2010	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CRATT	SHOWW (FB)	291.98 / 23.68	8700
SHOWW (IAF)	JUTEP (FB)	281.73 / 6.00	7100
NUWIN (IAF)	JUTEP (FB)	172.91 / 6.97	7100
JUTEP (IF)	GIRLE (FB)	221.67 / 6.05	6100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW22

CLIMB TO 9000 DIRECT GINEC AND ON TRACK 273.95 TO FAAST AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 260.19 INBOUND.
CHART FAS OBST: 4367 BLDG 321618N/1074247W
CHART FAS OBST: 4409 TREE 321805N/1074115W
4559 AAO 321853N/1074019W
CHART R5115.
DISTANCE TO THLD FROM 250 HAT: 0.64 NM.
WAAS CHANNEL # 70419
REFERENCE PATH ID: W22A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT JUTEP
3. FAC: 221.62 FAF: GIRLE DIST FAF TO MAP: 5.40 THLD: 5.40
4. MIN. ALT: JUTEP 7100, GIRLE 6100, ZIPKI/3.30 NM TO RW22 5400*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 6100 GS ALT AT: GIRLE 6100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR
8. MSA FROM: RW22 16000

MAG VAR: 10E 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	DH/MDA	VIS	HAT/HAA
LPV DA	4560	1	250	4560	1	250	4560	1	250	4560	1	250			
LNAV/VNAV DA	4637	1 1/4	327	4637	1 1/4	327	4637	1 1/4	327	4637	1 1/4	327			
LNAV MDA	4660	1	350	4660	1	350	4660	1	350	4660	1 1/4	350			
CIRCLING	4820	1	506	4940	1	626	4940	1 3/4	626	4940	2	626			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
*LNAV ONLY
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23C (-9F) OR ABOVE 40C SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 4314 TDZE: 4310	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DEMING, NM	AIRPORT NAME: DEMING MUNI	RNAV	RNAV (GPS) RWY 22, ORIG 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
(104F).
CHART NOTE: BARO-VNAV NA WHEN USING LAS CRUCES ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAS CRUCES ALTIMETER SETTING AND INCREASE ALL DA 114 FT AND ALL MDA 120 FT; INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, INCREASE LNAV CATS C AND D VISIBILITY 1/4 MILE, INCREASE CIRCLING CAT B VISIBILITY 1/4 MILE AND CIRCLING CATS C AND D VISIBILITY 1/2 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT NUWIN ON V110 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT CRATT ON V94 EASTBOUND.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 4314 TDZE: 4310	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DEMING, NM	AIRPORT NAME: DEMING MUNI	RNAV	RNAV (GPS) RWY 22, ORIG	AMDT: NONE
			23 SEP 2010	DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDMN
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	321558.5500N
LTP/FTP LONGITUDE	1074300.7400W
LTP/FTP ELLIPSOIDAL HEIGHT	+12870
FPAP LATITUDE	321503.0600N
FPAP LONGITUDE	1074423.0600W
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	1024
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	7AA8DAE1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+13115
FPAP ORTHOMETRIC HEIGHT	+13115

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 4314 TDZE: 4310	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DEMING, NM	AIRPORT NAME: DEMING MUNI	RNAV	RNAV (GPS) RWY 22, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   CRATT K20    C   L N32082084W107020756                    E0092     NAR           CRATT
         SUSAEAENRT   FAAST K20    C   L N32163316W108102526                    E0096     NAR           FAAST
         SUSAEAENRT   GINEC K20    W     N32120189W107485143                    E0095     NAR           GINEC
         SUSAEAENRT   GIRLE K20    W     N32192018W107380122                    E0094     NAR           GIRLE
         SUSAEAENRT   JUTEP K20    W     N32230590W107322511                    E0094     NAR           JUTEP
         SUSAEAENRT   NUWIN K20    C   L N32300434W107320005                    E0094     NAR           NUWIN
         SUSAEAENRT   SHOWW K20    W     N32205252W107255019                    E0093     NAR           SHOWW
         SUSAEAENRT   ZIPKI K20    W     N32180181W107395772                    E0094     NAR           ZIPKI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KDMNK2ADMN     0     080YHN32154430W107431430E010004314        1800018000C    MNAR    DEMING MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KDMNK2FR22   ACRATT 010CRATTK2EA0E       IF                                          18000                A JS
         SUSAP KDMNK2FR22   ACRATT 020SHOWWK2EA0E  A 020TF                   29200237    + 08700                       A JS
         SUSAP KDMNK2FR22   ACRATT 030JUTEPK2EA0EE B 010TF                   28170060    + 07100                       A JS
         SUSAP KDMNK2FR22   ANUWIN 010NUWINK2EA0E  A    IF                                          18000                A JS
         SUSAP KDMNK2FR22   ANUWIN 020JUTEPK2EA0EE B 010TF                   17290070    + 07100                       A JS
         SUSAP KDMNK2FR22   R      010JUTEPK2EA0E  I    IF                              + 07100     18000                A JS
         SUSAP KDMNK2FR22   R      020GIRLEK2EA1E  F 051TF                   22170061    + 06100                RW22  K2PGA JS
         SUSAP KDMNK2FR22   R      020GIRLEK2EA2WALPV      ALNAV/VNAV ALNAV                                              JS
         SUSAP KDMNK2FR22   R      021ZIPKIK2EA0E S  031TF                   22160021    V 0540005416       -300       A JS
         SUSAP KDMNK2FR22   R      030RW22 K2PG0GY M 031TF                   22160033      04355            -300       A JS
         SUSAP KDMNK2FR22   R      040         0  M  010CA                   2216        + 04560                       A JS
         SUSAP KDMNK2FR22   R      050GINECK2EA0E    010DF                                                            A JS
         SUSAP KDMNK2FR22   R      060FAASTK2EA0EY   010TF                   2740        + 09000                       A JS
         SUSAP KDMNK2FR22   R      070FAASTK2EA0EE  R020HM                   26020070    + 09000                       A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KDMNK2GRW22    0056752216 N32155855W107430074+0100    +1287004303000052060R
```

CITY AND STATE	ELEVATION: 4314 TDZE: 4310	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DEMING, NM	AIRPORT NAME: DEMING MUNI	RNAV	RNAV (GPS) RWY 22, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KDMNK2PR22    RW22 001 0000W22A0N3215585500W10743007400+128700300N3215030600W10744230600106751024000520F4005007AA8DAE1
    SUSAP KDMNK2PR22    RW22 002E       +13115+13115LPV        70419

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KDMNK2SRW22 K2PG                0   18018016025                                                                       M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4314 TDZE: 4310	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DEMING, NM	AIRPORT NAME: DEMING MUNI	RNAV	RNAV (GPS) RWY 22, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

ALTERNATE: N A

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY CHECKED

CITY AND STATE	ELEVATION: 400 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP	
WEEDSPORT, NY	AIRPORT NAME: WHITFORDS	SYR	VOR-A, ORIG-B, 05/12/2005	AMDT	ORIG-A
				DATE	01/07/98

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
APE VORTAC	CABMI (FO)	258.31 / 27.62	3000
LIMPS (IAF)	CABMI (NOPT) (FB)	014.00 / 11.37	3000
PIZZA (IAF)	CABMI (NOPT) (FB)	127.68 / 9.11	3000
CABMI (IF/IAF)	ALEME (FB)	099.04 / 6.10	2700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW10L

CLIMB TO 3000 DIRECT CAGTI AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 279.38 INBOUND.
CHART FAS OBST: 898 TREE 395946N/0825540W
CHART FAS OBST: 1176 BLDG 395954N/0830022W
CHART 1400 TOWER 400103N/0830108W.
DISTANCE TO THLD FROM 200 HAT: 0.47 NM.
CHART VDP AT 1.93 MILES TO RW10L* *LNAV ONLY.
WAAS CHANNEL # 40299
REFERENCE PATH ID: W10B

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W CABMI, RT, 099.04 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 099.12 FAF: ALEME DIST FAF TO MAP: 5.67 THLD: 5.67
4. MIN. ALT: CABMI 3000, ALEME 2700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: ALEME 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.1 34:1 IS CLEAR
8. MSA FROM: RW10L 3100

MAG VAR: 5W 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	1015	2400	200	1015	2400	200	1015	2400	200	1015	2400	200			
LNAV/VNAV DA	1264	5000	449	1264	5000	449	1264	5000	449	1264	5000	449			
LNAV MDA	1480	2400	665	1480	2400	665	1480	6000	665	1480	1 1/2	665			
CIRCLING	1480	1	665	1480	1	665	1480	1 3/4	665	1480	2	665			

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.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON APE VORTAC AIRWAY RADIALS 235 CW 318.

QUALITY CHECKED

CITY AND STATE	AIRPORT NAME	FACILITY IDENTIFIER	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
COLUMBUS, OH	ELEVATION: 815 TDZE: 815 PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 10L, AMDT 2 23 SEP 2010	SUP: RNAV (GPS) RWY 10L AMDT: 1 DATED 05/10/2007

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCMH
RUNWAY	RW10L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10B
LTP/FTP LATITUDE	400011.5300N
LTP/FTP LONGITUDE	0825427.4900W
LTP/FTP ELLIPSOIDAL HEIGHT	+02143
FPAP LATITUDE	400005.7200N
FPAP LONGITUDE	0825244.8500W
THRESHOLD CROSSING HEIGHT (TCH)	00050.1
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	EA90346B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02483
FPAP ORTHOMETRIC HEIGHT	+02483

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        APE    K5011670VTHA N40090382W082351788     N40090382W082351788W0060013502      NARAPPLETON

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ALEME K50    W     N40003625W083014932                    W0068     NAR          ALEME
        SUSAEAENRT   CABMI K50    W     N40010228W083094421                    W0067     NAR          CABMI
        SUSAEAENRT   CAGTI K50    W     N39591468W082380184                    W0071     NAR          CAGTI
        SUSAEAENRT   LIMPS K50    C   L N39494822W083120300                    W0066     NAR          LIMPS
        SUSAEAENRT   PIZZA K50    C   L N40055801W083194291                    W0066     NAR          PIZZA

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5ACMH     0     101YHN39595270W082533080W005000815         1800018000C   MNAR    PORT COLUMBUS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5FR10LY AAPE   010APE  K5D 0V       IF                                          18000                A JS
        SUSAP KCMHK5FR10LY AAPE   020CABMIK5EA0EY   020TF                 25830276    + 03000                          A JS
        SUSAP KCMHK5FR10LY AAPE   030CABMIK5EA0EE AR   HF                 09900040    + 03000                          A JS
        SUSAP KCMHK5FR10LY ALIMPS 010LIMPSK5EA0E  A    IF                                          18000                A JS
        SUSAP KCMHK5FR10LY ALIMPS 020CABMIK5EA0EE B 010TF                  01400114    + 03000                          A JS
        SUSAP KCMHK5FR10LY APIZZA 010PIZZAK5EA0E  A    IF                                          18000                A JS
        SUSAP KCMHK5FR10LY APIZZA 020CABMIK5EA0EE B 010TF                  12770091    + 03000                          A JS
        SUSAP KCMHK5FR10LY R      010CABMIK5EA0E  I    IF                             + 03000     18000                A JS
        SUSAP KCMHK5FR10LY R      020ALEMEK5EA1E  F 051TF                 09900061    + 02700                RW10L K5PGA JS
        SUSAP KCMHK5FR10LY R      020ALEMEK5EA2WALPV      ALNAV/VNAV ALNAV                                                  JS
        SUSAP KCMHK5FR10LY R      030RW10LK5PG0GY M 031TF                 09910057      00865          -300               A JS
        SUSAP KCMHK5FR10LY R      040          0  M  010CA                0991        + 01015                          A JS
        SUSAP KCMHK5FR10LY R      050CAGTIK5EA0EY   010DF                             + 03000                          A JS
        SUSAP KCMHK5FR10LY R      060CAGTIK5EA0EE  R020HM                 27940040    + 03000                          A JS
```

QUALITY 4 CHECK

CITY AND STATE	ELEVATION: 815 TDZE: 815	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10L
COLUMBUS, OH	AIRPORT NAME: PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 10L, AMDT 2 23 SEP 2010	AMDT: 1
				DATED: 05/10/2007

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCMHK5GRW10L    0080000992 N40001153W082542749+0000     +0214300815000050150I

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCMHK5PR10LY RW10L001Y0000W10B0N4000115300W08254274900+021430300N4000057200W0825244850010675000000000501F400350EA90346B
          SUSAP KCMHK5PR10LY RW10L002E       +02483+02483LPV        40299

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCMHK5SRW10LK5PG                0   18018003125                                                              M
```

QUALITY 4

CITY AND STATE	ELEVATION: 815 TDZE: 815	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10L
COLUMBUS, OH	AIRPORT NAME: PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 10L, AMDT 2 23 SEP 2010	AMDT: 1
				DATED: 05/10/2007

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
APE VORTAC	AVECY (FO)	257.45 / 27.84	2900
LIMPS (IAF)	AVECY (NOPT) (FB)	013.96 / 10.90	2900
PIZZA (IAF)	AVECY (NOPT) (FB)	130.32 / 9.30	2900
AVECY (IF/IAF)	SHOSH (FB)	099.03 / 6.09	2700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW10R

CLIMB TO 3000 DIRECT CORED AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W AVECY, RT, 099.03 INBOUND, 2900 FT. IN LIEU OF PT (IAF)
3. FAC: 099.11 FAF: SHOSH DIST FAF TO MAP: 5.70 THLD: 5.70
4. MIN. ALT: AVECY 2900, SHOSH 2700, WIPUG/2.00 NM TO RW10R 1480*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: SHOSH 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.4 34:1 IS CLEAR
8. MSA FROM: RW10R 3100

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 279.38 INBOUND.
CHART FAS OBST: 968 TOWER 395919N/0825553W
CHART 1176 BLDG 395954N/0830022W.
CHART 1749 TOWER 395816N/0830140W.
CHART 1075 TOWER 400032N/0825726W.
DISTANCE TO THLD FROM 200 HAT: 0.48 NM.
CHART VDP AT 1.15 MILES TO RW10R* *LNAV ONLY.
WAAS CHANNEL # 99603
REFERENCE PATH ID: W10A

MAG VAR: 5W 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	1010	2400	200	1010	2400	200	1010	2400	200	1010	2400	200			
LNAV/VNAV DA	1268	5000	458	1268	5000	458	1268	5000	458	1268	5000	458			
LNAV MDA	1240	2400	430	1240	2400	430	1240	4000	430	1240	5000	430			
CIRCLING	1340	1	525	1340	1	525	1340	1 1/2	525	1380	2	565			

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.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON APE VORTAC AIRWAY RADIALS 168 CW 335.

QUALITY 4 CHECKED

CITY AND STATE	AIRPORT NAME	FACILITY IDENTIFIER	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
COLUMBUS, OH	ELEVATION: 815 TDZE: 810 PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 10R, AMDT 2 23 SEP 2010	SUP: RNAV (GPS) RWY 10R AMDT: 1 DATED 05/10/2007

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCMH
RUNWAY	RW10R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	395944.0500N
LTP/FTP LONGITUDE	0825432.1800W
LTP/FTP ELLIPSOIDAL HEIGHT	+02106
FPAP LATITUDE	395936.7100N
FPAP LONGITUDE	0825222.3400W
THRESHOLD CROSSING HEIGHT (TCH)	00054.4
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	60971ADD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02448
FPAP ORTHOMETRIC HEIGHT	+02448

QUALITY 4 CHECKED

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAD        APE   K5011670VTHA N40090382W082351788    N40090382W082351788W0060013502     NARAPPLETON

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   AVECY K50    W     N40003477W083095036                    W0067     NAR           AVECY
       SUSAEAENRT   CORED K50    W     N39584374W082370703                    W0071     NAR           CORED
       SUSAEAENRT   LIMPS K50    C   L N39494822W083120300                    W0066     NAR           LIMPS
       SUSAEAENRT   PIZZA K50    C   L N40055801W083194291                    W0066     NAR           PIZZA
       SUSAEAENRT   SHOSH K50    W     N40000880W083015572                    W0068     NAR           SHOSH
       SUSAEAENRT   WIPUG K50    W     N39595280W082570791                    W0068     NAR           WIPUG

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCMHK5ACMH     0     101YHN39595270W082533080W005000815         1800018000C    MNAR     PORT COLUMBUS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCMHK5FR10RY AAPE   010APE  K5D 0V       IF                                          18000                A JS
       SUSAP KCMHK5FR10RY AAPE   020AVECYK5EA0EY   020TF                    25750278    + 02900                      A JS
       SUSAP KCMHK5FR10RY AAPE   030AVECYK5EA0EE AR   HF                    09900040    + 02900                      A JS
       SUSAP KCMHK5FR10RY ALIMPS 010LIMPSK5EA0E  A    IF                                          18000                A JS
       SUSAP KCMHK5FR10RY ALIMPS 020AVECYK5EA0EE B 010TF                    01400109    + 02900                      A JS
       SUSAP KCMHK5FR10RY APIZZA 010PIZZAK5EA0E  A    IF                                          18000                A JS
       SUSAP KCMHK5FR10RY APIZZA 020AVECYK5EA0EE B 010TF                    13030093    + 02900                      A JS
       SUSAP KCMHK5FR10RY R      010AVECYK5EA0E  I    IF                                + 02900     18000              A JS
       SUSAP KCMHK5FR10RY R      020SHOSHK5EA1E  F 051TF                    09900061    + 02700                RW10R K5PGA JS
       SUSAP KCMHK5FR10RY R      020SHOSHK5EA2WALPV       ALNAV/VNAV ALNAV                                                JS
       SUSAP KCMHK5FR10RY R      021WIPUGK5EA0E S  031TF                    09910037    V 0148001498       -300         A JS
       SUSAP KCMHK5FR10RY R      030RW10RK5PG0GY M 031TF                    09910020      00857            -300         A JS
       SUSAP KCMHK5FR10RY R      040         0  M  010CA                    0991        + 01010                      A JS
       SUSAP KCMHK5FR10RY R      050COREDK5EA0EY   010DF                                + 03000                      A JS
       SUSAP KCMHK5FR10RY R      060COREDK5EA0EE  L020HM                    27940040    + 03000                      A JS
```

CITY AND STATE	ELEVATION: 815 TDZE: 810	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10R
COLUMBUS, OH	AIRPORT NAME: PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 10R, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 05/10/2007

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

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5GRW10R    0101260992 N39594405W082543218+0100     +0210600803000054150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5PR10RY RW10R001Y0000W10A0N3959440500W08254321800+021060300N3959367100W0825222340010675000000544F40035060971ADD
        SUSAP KCMHK5PR10RY RW10R002E       +02448+02448LPV       99603

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5SRW10RK5PG                0   18018003125                                                                       M
```

CITY AND STATE	ELEVATION: 815 TDZE: 810	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10R
COLUMBUS, OH	AIRPORT NAME: PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 10R, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 05/10/2007

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
APE VORTAC (IAF)	CORED (NOPT) (FB)	192.71 / 10.42	3000
BREMN (IAF)	CORED (NOPT) (FB)	334.38 / 19.40	3000
CORED (IF/IAF)	HABOP (FB)	279.38 / 6.09	2700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW28L

CLIMB TO 2900 DIRECT AVECY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 099.03 INBOUND.
CHART FAS OBST: 958 TOWER 395903N/0825121W
CHART FAS OBST: 1113 TOWER 400010N/0824910W
DISTANCE TO THLD FROM 200 HAT: 0.47 NM.
CHART VDP AT 1.57 MILES TO RW28L* *LNAV ONLY.
WAAS CHANNEL # 48999
REFERENCE PATH ID: W28A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E CORED, LT, 279.38 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 279.30 FAF: HABOP DIST FAF TO MAP: 5.67 THLD: 5.67
4. MIN. ALT: CORED 3000, HABOP 2700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: HABOP 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.3 34:1 IS CLEAR
8. MSA FROM: RW28L 3100

MAG VAR: 5W 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	1014	2400	200	1014	2400	200	1014	2400	200	1014	2400	200			
LNAV/VNAV DA	1341	6000	527	1341	6000	527	1341	6000	527	1341	6000	527			
LNAV MDA	1380	2400	566	1380	2400	566	1380	2400	566	1380	2400	566			
CIRCLING	1380	1	565	1380	1	565	1380	1 1/2	565	1380	2	565			

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.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON APE VORTAC AIRWAY RADIALS 117 CW 271.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 815 TDZE: 814	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 28L
COLUMBUS, OH	AIRPORT NAME: PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 28L, AMDT 2 23 SEP 2010	AMDT: 1
				DATED 05/10/2007

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCMH
RUNWAY	RW28L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	395936.7100N
LTP/FTP LONGITUDE	0825222.4300W
LTP/FTP ELLIPSOIDAL HEIGHT	+02139
FPAP LATITUDE	395944.0700N
FPAP LONGITUDE	0825432.3900W
THRESHOLD CROSSING HEIGHT (TCH)	00052.3
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	CDED90C7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02480
FPAP ORTHOMETRIC HEIGHT	+02480

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAD        APE    K5011670VTHA N40090382W082351788    N40090382W082351788W0060013502     NARAPPLETON

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   AVECY K50    W     N40003477W083095036                    W0067     NAR          AVECY
       SUSAEAENRT   BREMN K50    C   B N39420173W082241572                    W0072     NAR          BREMN
       SUSAEAENRT   CORED K50    W     N39584374W082370703                    W0071     NAR          CORED
       SUSAEAENRT   HABOP K50    W     N39591142W082450103                    W0070     NAR          HABOP

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCMHK5ACMH     0     101YHN39595270W082533080W005000815         1800018000C    MNAR    PORT COLUMBUS INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCMHK5FR28LY AAPE   010APE  K5D 0V  A    IF                                          18000                A JS
       SUSAP KCMHK5FR28LY AAPE   020COREDK5EA0EE B 010TF                    19270104    + 03000                      A JS
       SUSAP KCMHK5FR28LY ABREMN 010BREMNK5EA0E  A    IF                                          18000                A JS
       SUSAP KCMHK5FR28LY ABREMN 020COREDK5EA0EE B 010TF                    33440194    + 03000                      A JS
       SUSAP KCMHK5FR28LY ACORED 010COREDK5EA0EE AL   HF                    27940040    + 03000    18000             A JS
       SUSAP KCMHK5FR28LY R      010COREDK5EA0E  I    IF                                + 03000    18000             A JS
       SUSAP KCMHK5FR28LY R      020HABOPK5EA1E  F 051TF                    27940061    + 02700              RW28L K5PGA JS
       SUSAP KCMHK5FR28LY R      020HABOPK5EA2WALPV      ALNAV/VNAV ALNAV                                                JS
       SUSAP KCMHK5FR28LY R      030RW28LK5PG0GY M 031TF                    27930057      00866          -300          A JS
       SUSAP KCMHK5FR28LY R      040        0  M  010CA                    2793        + 01014                      A JS
       SUSAP KCMHK5FR28LY R      050AVECYK5EA0EY   010DF                                + 02900                      A JS
       SUSAP KCMHK5FR28LY R      060AVECYK5EA0EE  R020HM                    09900040    + 02900                      A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCMHK5GRW28L   0101262792 N39593671W082522243-0100    +02139008140000052150I
```

CITY AND STATE	ELEVATION: 815 TDZE: 814	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 28L
COLUMBUS, OH	AIRPORT NAME: PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 28L, AMDT 2 23 SEP 2010	AMDT: 1
				DATED: 05/10/2007

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KCMHK5PR28LY RW28L001Y0000W28A0N3959367100W08252224300+021390300N3959440700W082543239001067500080005 23F400350CDED90C7
    SUSAP KCMHK5PR28LY RW28L002E       +02480+02480LPV       48999

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KCMHK5SRW28LK5PG               0   18018003125                                                                    M
```

CITY AND STATE	ELEVATION: 815 TDZE: 814	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 28L
COLUMBUS, OH	AIRPORT NAME: PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 28L, AMDT 2 23 SEP 2010	AMDT: 1
				DATED: 05/10/2007

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LIMPS	FAMUT (FB)	086.02 / 26.08	3000
APE VORTAC	KERKE (FB)	206.33 / 4.60	3000
BREMN	FAMUT (FB)	321.91 / 16.12	3000
KERKE (IAF)	CAGTI (NOPT) (FB)	189.39 / 5.54	3000
FAMUT (IAF)	CAGTI (NOPT) (FB)	009.37 / 5.46	3000
CAGTI (IF/IAF)	ATIPE (FB)	279.38 / 6.27	2500

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW28R

CLIMB TO 3000 DIRECT CABMI AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 099.04 INBOUND.
CHART FAS OBST: 925 OL ON TWR 400019N/0825222W
CHART FAS OBST: 1018 TREE 400027N/0825041W
1279 AAO 400035N/0824554W.
DISTANCE TO THLD FROM 200 HAT: 0.47 NM.
WAAS CHANNEL # 86619
REFERENCE PATH ID: W28B

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E CAGTI, RT, 279.38 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 279.29 FAF: ATIPE DIST FAF TO MAP: 5.07 THLD: 5.07
4. MIN. ALT: CAGTI 3000, ATIPE 2500, HULOP/2.00 NM TO RW28R 1500*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: ATIPE 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.2 34:1 IS CLEAR
8. MSA FROM: RW28R 3100

MAG VAR: 5W 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	1013	1/2	200	1013	1/2	200	1013	1/2	200	1013	1/2	200			
LNAV/VNAV DA	1175	3/4	362	1175	3/4	362	1175	3/4	362	1175	3/4	362			
LNAV MDA	1420	1/2	607	1420	1/2	607	1420	1 1/4	607	1420	1 1/2	607			
CIRCLING	1420	1	605	1420	1	605	1420	1 3/4	605	1420	2	605			

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.
*LNAV ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT APE VORTAC VIA V493 NORTHBOUND AND V19 NORTHWEST BOUND.

QUALITY CHECKED

CITY AND STATE	AIRPORT NAME	FACILITY IDENTIFIER	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
COLUMBUS, OH	ELEVATION: 815 TDZE: 813 PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 28R, AMDT 1 23 SEP 2010	SUP: RNAV (GPS) RWY 28R AMDT: ORIG DATED 03/22/2001

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCMH
RUNWAY	RW28R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28B
LTP/FTP LATITUDE	400005.7300N
LTP/FTP LONGITUDE	0825244.9700W
LTP/FTP ELLIPSOIDAL HEIGHT	+02135
FPAP LATITUDE	400011.5500N
FPAP LONGITUDE	0825427.7400W
THRESHOLD CROSSING HEIGHT (TCH)	00050.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	ABC4ED62

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02476
FPAP ORTHOMETRIC HEIGHT	+02476

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
COLUMBUS, OH	ELEVATION: 815 TDZE: 813 AIRPORT NAME: PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 28R, AMDT 1 23 SEP 2010	SUP: RNAV (GPS) RWY 28R AMDT: ORIG DATED: 03/22/2001

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD        APE    K5011670VTHA N40090382W082351788     N40090382W082351788W0060013502      NARAPPLETON

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ATIPE K50    W     N39594314W082461016                    W0070     NAR           ATIPE
        SUSAEAENRT   BREMN K50    C   B N39420173W082241572                    W0072     NAR           BREMN
        SUSAEAENRT   CABMI K50    W     N40010228W083094421                    W0067     NAR           CABMI
        SUSAEAENRT   CAGTI K50    W     N39591468W082380184                    W0071     NAR           CAGTI
        SUSAEAENRT   FAMUT K50    W     N39534778W082383435                    W0071     NAR           FAMUT
        SUSAEAENRT   HULOP K50    W     N39595686W082500924                    W0069     NAR           HULOP
        SUSAEAENRT   KERKE K50    W     N40044636W082372877                    W0071     NAR           KERKE
        SUSAEAENRT   LIMPS K50    C   L N39494822W083120300                    W0066     NAR           LIMPS

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5ACMH     0     101YHN39595270W082533080W005000815        1800018000C    MNAR     PORT COLUMBUS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5FR28RY AAPE   010APE  K5D 0V       IF                                          18000                A JS
        SUSAP KCMHK5FR28RY AAPE   020KERKEK5EA0E  A 020TF                    20630046    + 03000                      A JS
        SUSAP KCMHK5FR28RY AAPE   030CAGTIK5EA0EE B 010TF                    18940055    + 03000                      A JS
        SUSAP KCMHK5FR28RY ABREMN 010BREMNK5EA0E       IF                                          18000                A JS
        SUSAP KCMHK5FR28RY ABREMN 020FAMUTK5EA0E  A 020TF                    32190161    + 03000                      A JS
        SUSAP KCMHK5FR28RY ABREMN 030CAGTIK5EA0EE B 010TF                    00940055    + 03000                      A JS
        SUSAP KCMHK5FR28RY ACAGTI 010CAGTIK5EA0EE AR   HF                    27940040    + 03000     18000            A JS
        SUSAP KCMHK5FR28RY ALIMPS 010LIMPSK5EA0E       IF                                          18000                A JS
        SUSAP KCMHK5FR28RY ALIMPS 020FAMUTK5EA0E  A 020TF                    08600261    + 03000                      A JS
        SUSAP KCMHK5FR28RY ALIMPS 030CAGTIK5EA0EE B 010TF                    00940055    + 03000                      A JS
        SUSAP KCMHK5FR28RY R      010CAGTIK5EA0E  I    IF                                + 03000     18000            A JS
        SUSAP KCMHK5FR28RY R      020ATIPEK5EA1E  F 051TF                    27940063    + 02500           RW28R K5PGA JS
        SUSAP KCMHK5FR28RY R      020ATIPEK5EA2WALPV       ALNAV/VNAV ALNAV                                            JS
        SUSAP KCMHK5FR28RY R      021HULOPK5EA0E S  031TF                    27930031    V 0150001503        -300     A JS
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4
CHECKED

CITY AND STATE	ELEVATION: 815 TDZE: 813	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 28R
COLUMBUS, OH	AIRPORT NAME: PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 28R, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 03/22/2001

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                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5FR28RY R      030RW28RK5PG0GY M 031TF                   27930020      00862            -300          A JS
        SUSAP KCMHK5FR28RY R      040         0  M  010CA                   2793        + 01013                          A JS
        SUSAP KCMHK5FR28RY R      050CABMIK5EA0EY   010DF                              + 03000                          A JS
        SUSAP KCMHK5FR28RY R      060CABMIK5EA0EE   R020HM                   09900040   + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5GRW28R   0080002792 N40000573W082524497+0000    +0213500812000050150I

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5PR28RY RW28R001Y0000W28B0N4000057300W08252449700+021350300N4000115500W0825427740010650000800050 2F400350ABC4ED62
        SUSAP KCMHK5PR28RY RW28R002E      +02476+02476LPV       86619

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5SRW28RK5PG              0   18018003125                                                                  M
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QUALITY CHECKED 4

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
COLUMBUS, OH	ELEVATION: 815 TDZE: 813 AIRPORT NAME: PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 28R, AMDT 1 23 SEP 2010	SUP: RNAV (GPS) RWY 28R AMDT: ORIG DATED: 03/22/2001

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PIZZA (IAF)	CABMI (TF) (FB) (RNP 1.00)	127.68/9.11	3000
LIMPS (IAF)	CABMI (TF) (FB) (RNP 1.00)	014.00/11.37	3000
CABMI (IF)	ALEME (TF) (FB) (RNP 0.50)	099.04/6.10	2700
ALEME (FAF)	RW10L (TF) (FO)	099.12/5.67	
RW10L (MAP)	CAGTI (TF) (FO) (RNP 1.00)	099.19/12.66	3000

MISSED APPROACH

MAP: DA

CLIMB TO 3000 ON TRACK 099.19 TO CAGTI AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CABMI
3. FAC: 099.12 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: CABMI 3000, ALEME 2700
5. DIST TO THLD FROM OM: 5.67 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: ALEME 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.1# 34:1 IS NOT CLEAR
8. MSA FROM: RW10L 3100

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 279.38 INBOUND.
DISTANCE TO THLD FROM 349 HAT: 0.94 NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 864.8 MSL (DO NOT CHART)
CHART FAS OBST: 887 TREE 395956N/0825528W
CHART FAS OBST: 898 TREE 395946N/0825540W

MAG VAR: 5W EPOCH YEAR: 90

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 0.20 DA	1164	4000	349	1164	4000	349	1164	4000	349	1164	4000	349			
RNP 0.30 DA	1216	5000	401	1216	5000	401	1216	5000	401	1216	5000	401			

NOTES: CHART NOTE: GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16 (1F) OR ABOVE 47C (117F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.20 ALL CATS VISIBILITY TO RVR 6000, AND RNP 0.30 ALL CATS VISIBILITY TO 1 1/2. CHART PLANVIEW NOTE AT LIMPS, PIZZA: (RNP 0.50). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LIMPS ON V5 SOUTHWEST BOUND, AND ARRIVALS AT PIZZA ON V12 WESTBOUND.

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 815 TDZE: 815 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	PORT COLUMBUS INTL	RNAV	23 SEP 2010 RNAV (RNP) Z RWY 10L, ORIG	AMDT: NONE 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.

ARINC PACKET - 424-18 - RNAV (RNP)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ALEME K50    W     N40003625W083014932                    W0068     NAR           ALEME
        SUSAEAENRT   CABMI K50    W     N40010228W083094421                    W0067     NAR           CABMI
        SUSAEAENRT   CAGTI K50    W     N39591468W082380184                    W0071     NAR           CAGTI
        SUSAEAENRT   LIMPS K50    C   L N39494822W083120300                    W0066     NAR           LIMPS
        SUSAEAENRT   PIZZA K50    C   L N40055801W083194291                    W0066     NAR           PIZZA

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5ACMH     0     101YHN39595270W082533080W005000815         1800018000C    MNAR    PORT COLUMBUS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5FR10LZ ALIMPS 010LIMPSK5EA0E  A    IF                                                18000                A PS
        SUSAP KCMHK5FR10LZ ALIMPS 020CABMIK5EA0EE B 010TF                    01400114    + 03000                                A PS
        SUSAP KCMHK5FR10LZ APIZZA 010PIZZAK5EA0E  A    IF                                                18000                A PS
        SUSAP KCMHK5FR10LZ APIZZA 020CABMIK5EA0EE B 010TF                    12770091    + 03000                                A PS
        SUSAP KCMHK5FR10LZ R      010CABMIK5EA0E  I    IF                             + 03000     18000                      A PS
        SUSAP KCMHK5FR10LZ R      020ALEMEK5EA1E  F 031TF                    09900061    + 02700                  RW10L K5PGA PS
        SUSAP KCMHK5FR10LZ R      020ALEMEK5EA2W                                       A031A021                             PS
        SUSAP KCMHK5FR10LZ R      030RW10LK5PG0GY M 031TF                    09910057      00865          -300               A PS
        SUSAP KCMHK5FR10LZ R      040CAGTIK5EA0EYM  010TF                    09920127    + 03000                                A PS
        SUSAP KCMHK5FR10LZ R      050CAGTIK5EA0EE  R020HM                    27940040    + 03000                                A PS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5GRW10L    0080000992 N40001153W082542749+0000     +02143008150000501501

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5SRW10LK5PG              0   18018003125                                                                      M
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QUALITY CHECKED 4

CITY AND STATE	ELEVATION: **815** TDZE: **815**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: **PORT COLUMBUS INTL**	**RNAV**	**RNAV (RNP) Z RWY 10L, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PIZZA (IAF)	AVECY (TF) (FB) (RNP 1.00)	130.32/9.30	2900
LIMPS (IAF)	AVECY (TF) (FB) (RNP 1.00)	013.96/10.90	2900
AVECY (IF)	SHOSH (TF) (FB) (RNP 0.50)	099.03/6.09	2700
SHOSH (FAF)	RW10R (TF) (FO)	099.11/5.70	
RW10R (MAP)	CORED (TF) (FO) (RNP 1.00)	099.20/13.43	3000

MISSED APPROACH

MAP: DA

CLIMB TO 3000 ON TRACK 099.20 TO CORED AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT AVECY
3. FAC: 099.11 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: AVECY 2900, SHOSH 2700
5. DIST TO THLD FROM OM: 5.70 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: SHOSH 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.4# 34:1 IS NOT CLEAR
8. MSA FROM: RW10R 3100

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 279.38 INBOUND.
DISTANCE TO THLD FROM 379 HAT: 1.04 NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 857.4 MSL (DO NOT CHART)
CHART FAS OBST: 898 TREE 395946N/0825540W
CHART FAS OBST: 931 TOWER 395917N/0825549W
CHART: 915 BLDG 400001N/0825603W

MAG VAR: 5W EPOCH YEAR: 90

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 0.22 DA	1189	4000	379	1189	4000	379	1189	4000	379	1189	4000	379			
RNP 0.30 DA*	1314	6000	504	1314	6000	504	1314	6000	504	1314	6000	504			

NOTES: CHART NOTE: GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16 (2F) OR ABOVE 47C (117F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.22 ALL CATS VISIBILITY TO RVR 6000, AND RNP 0.30 ALL CATS VISIBILITY TO 1 3/4. CHART PLANVIEW NOTE AT LIMPS, PIZZA: (RNP 0.50). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LIMPS ON V5 SOUTHWEST BOUND, AND ARRIVALS AT PIZZA ON V12 WESTBOUND. CHART NOTE: * WHEN VGSI INOP, PROCEDURE NA AT NIGHT.

QUALITY 4

CITY AND STATE	ELEVATION: 815 TDZE: 810 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	PORT COLUMBUS INTL	RNAV	23 SEP 2010 RNAV (RNP) Z RWY 10R, ORIG	AMDT: NONE DATE

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ARINC PACKET - 424-18 - RNAV (RNP)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AVECY K50    W     N40003477W083095036                    W0067     NAR           AVECY
        SUSAEAENRT   CORED K50    W     N39584374W082370703                    W0071     NAR           CORED
        SUSAEAENRT   LIMPS K50    C   L N39494822W083120300                    W0066     NAR           LIMPS
        SUSAEAENRT   PIZZA K50    C   L N40055801W083194291                    W0066     NAR           PIZZA
        SUSAEAENRT   SHOSH K50    W     N40000880W083015572                    W0068     NAR           SHOSH

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5ACMH     0     101YHN39595270W082533080W005000815         18000018000C    MNAR    PORT COLUMBUS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5FR10RZ ALIMPS 010LIMPSK5EA0E  A    IF                                          18000                A PS
        SUSAP KCMHK5FR10RZ ALIMPS 020AVECYK5EA0EE B 010TF                    01400109    + 02900                      A PS
        SUSAP KCMHK5FR10RZ APIZZA 010PIZZAK5EA0E  A    IF                                          18000                A PS
        SUSAP KCMHK5FR10RZ APIZZA 020AVECYK5EA0EE B 010TF                    13030093    + 02900                      A PS
        SUSAP KCMHK5FR10RZ R      010AVECYK5EA0E  I    IF                                 + 02900  18000                A PS
        SUSAP KCMHK5FR10RZ R      020SHOSHK5EA1E  F 051TF                    09900061    + 02700            RW10R K5PGA PS
        SUSAP KCMHK5FR10RZ R      020SHOSHK5EA2W                                      A031A222                        PS
        SUSAP KCMHK5FR10RZ R      030RW10RK5PG0GY M 031TF                    09910057      00857          -300         A PS
        SUSAP KCMHK5FR10RZ R      040COREDK5EA0EYM  010TF                    09920134    + 03000                      A PS
        SUSAP KCMHK5FR10RZ R      050COREDK5EA0EE  L020HM                    27940040    + 03000                      A PS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5GRW10R   0101260992 N39594405W082543218+0100     +02106008030000541501

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5SRW10RK5PG               0   18018003125                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: **815** TDZE: **810**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: **PORT COLUMBUS INTL**	**RNAV**	**RNAV (RNP) Z RWY 10R, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC FLIGHT INSPECTION SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	LIMPS	LIMPS	010	IAF	IF		FB				
	LIMPS	AVECY	020		TF		FB	1.0	014.0(009T)	010.9	AA 02900
	PIZZA	PIZZA	010	IAF	IF		FB				
	PIZZA	AVECY	020		TF		FB	1.0	130.3(125T)	009.3	AA 02900
		AVECY	010	FACF	IF		FB				AA 02900
		SHOSH	020	FAF	TF		FB	0.5	099.0(094T)	006.1	AA 02700
		RW10R	030	MAP	TF		FO	0.3	099.1(094T)	005.7	AT 00857

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	CORED	040		TF		FO	1.0	099.2(094T)	013.4	AA 03000
	CORED	050		HM	L	FO	2.0	279.4(274T)	004.0	AA 03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AVECY	N400034.77	W0830950.36	N4000.580	W08309.839
	CORED	N395843.74	W0823707.03	N3958.729	W08237.117
	LIMPS	N394948.22	W0831203.00	N3949.804	W08312.050
	PIZZA	N400558.01	W0831942.91	N4005.967	W08319.715
	SHOSH	N400008.80	W0830155.72	N4000.147	W08301.929
	RW10R	N395944.05	W0825432.18	N3959.734	W08254.536

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10R	00803	54



CITY AND STATE	ELEVATION: **815** TDZE: **810**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: **PORT COLUMBUS INTL**	**RNAV**	**RNAV (RNP) Z RWY 10R, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BREMN (IAF)	CORED (TF) (FB) (RNP 1.00)	334.38/19.40	3000
APE VORTAC (IAF)	CORED (TF) (FB) (RNP 0.80)	192.71/10.42	3000
CORED (IF)	HABOP (TF) (FB) (RNP 0.50)	279.38/6.09	2700
HABOP (FAF)	RW28L (TF) (FO)	279.30/5.67	
RW28L (MAP)	AVECY (TF) (FO) (RNP 1.00)	279.23/13.46	3200

MISSED APPROACH

MAP DA

CLIMB TO 3200 ON TRACK 279.23 TO AVECY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 099.03 INBOUND.
CHART FAS OBST: 958 TOWER 395903N/0825121W
CHART FAS OBST: 885 TREE 395940N/0825128W
DISTANCE TO THLD FROM 330 HAT: 0.87 NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 866 MSL (DO NOT CHART)

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CORED
3. FAC: 279.30 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: CORED 3000, HABOP 2700
5. DIST TO THLD FROM OM: 5.67 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: HABOP 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.3# 34:1 IS CLEAR
8. MSA FROM: RW28L 3100

MAG VAR: 5W 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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.15 DA	1144	4000	330	1144	4000	330	1144	4000	330	1144	4000	330			
RNP 0.20 DA	1196	4000	382	1196	4000	382	1196	4000	382	1196	4000	382			
RNP 0.30 DA	1293	6000	479	1293	6000	479	1293	6000	479	1293	6000	479			

NOTES: CHART NOTE: GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16C (2F) OR ABOVE 47C (117F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE ALL VISIBILITIES 1/2 MILE. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON APE VORTAC AIRWAY RADIALS 090 CW 300. CHART PLANVIEW NOTE: AT APE VORTAC AND BREMN (RNP 0.50). CHART PLANVIEW NOTE: AT APE VORTAC: MAX KIAS 235. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.



CITY AND STATE	ELEVATION: 815 TDZE: 814	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: PORT COLUMBUS INTL	RNAV	23 SEP 2010 RNAV (RNP) Z RWY 28L, ORIG	AMDT: NONE
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC PACKET - 424-18 - RNAV (RNP)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        APE   K5011670VTHA N40090382W082351788    N40090382W082351788W0060013502     NARAPPLETON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AVECY K50    W     N40003477W083095036                    W0067     NAR          AVECY
        SUSAEAENRT   BREMN K50    C   B N39420173W082241572                    W0072     NAR          BREMN
        SUSAEAENRT   CORED K50    W     N39584374W082370703                    W0071     NAR          CORED
        SUSAEAENRT   HABOP K50    W     N39591142W082450103                    W0070     NAR          HABOP

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5ACMH     0     101YHN39595270W082533080W005000815        1800018000C    MNAR    PORT COLUMBUS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5FR28LZ AAPE   010APE  K5D 0V  A    IF                                          18000235              A-PS
        SUSAP KCMHK5FR28LZ AAPE   020COREDK5EA0EE B 081TF                    19270104    + 03000                        A PS
        SUSAP KCMHK5FR28LZ ABREMN 010BREMNK5EA0E  A    IF                                          18000                 A PS
        SUSAP KCMHK5FR28LZ ABREMN 020COREDK5EA0EE B 010TF                    33440194    + 03000                        A PS
        SUSAP KCMHK5FR28LZ R      010COREDK5EA0E  I    IF                                + 03000    18000               A PS
        SUSAP KCMHK5FR28LZ R      020HABOPK5EA1E  F 051TF                    27940061    + 02700               RW28L K5PGA PS
        SUSAP KCMHK5FR28LZ R      020HABOPK5EA2W                                      A031A021A152                        PS
        SUSAP KCMHK5FR28LZ R      030RW28LK5PG0GY M 031TF                    27930057      00866          -300          A PS
        SUSAP KCMHK5FR28LZ R      040AVECYK5EA0EYM  010TF                    27920135    + 03200                        A PS
        SUSAP KCMHK5FR28LZ R      050AVECYK5EA0EE  R020HM                    09900040    + 03200                        A PS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5GRW28L   0101262792 N39593671W082522243-0100    +02139008140000521501

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5SRW28LK5PG              0   18018003125                                                                    M
```



CITY AND STATE	ELEVATION: **815** TDZE: **814**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: **PORT COLUMBUS INTL**	**RNAV**	**RNAV (RNP) Z RWY 28L, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
APE VORTAC (IAF)	CAGTI (TF) (FB) (RNP 1.00)	197.08/10.03	3000
BREMN (IAF)	CAGTI (TF) (FB) (RNP 1.00)	333.42/20.21	3000
CAGTI (IF)	ATIPE (TF) (FB) (RNP 0.50)	279.38/6.27	2500
ATIPE (FAF)	RW28R (TF) (FO)	279.29/5.07	
RW28R (MAP)	CABMI (TF) (FO) (RNP 1.00)	279.22/13.09	3000

MISSED APPROACH

MAP: DA

CLIMB TO 3000 ON TRACK 279.22 TO CABMI AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CAGTI
3. FAC: 279.29 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: CAGTI 3000, ATIPE 2500
5. DIST TO THLD FROM OM: 5.07 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: ATIPE 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.2# 34:1 IS CLEAR
8. MSA FROM: RW28R 3100

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 099.04 INBOUND.
DISTANCE TO THLD FROM 318 HAT: 0.84 NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 862.4 MSL (DO NOT CHART)
CHART FAS OBST: 880 TREE 400009N/0825152W
CHART FAS OBST: 894 TREE 395954N/0825148W

MAG VAR: 5W EPOCH YEAR: 90

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 0.11 DA	1131	3/4	318	1131	3/4	318	1131	3/4	318	1131	3/4	318			
RNP 0.30 DA	1194	3/4	381	1194	3/4	381	1194	3/4	381	1194	3/4	381			

NOTES: CHART NOTE: GPS REQUIRED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYTEMS, PROCEDURE NA BELOW -16C (1F) OR ABOVE 47C (117F).
CHART PLANVIEW NOTE AT BREMN, APE VORTAC: (RNP 0.50). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON APE VORTAC AIRWAY RADIALS 090 CW 300. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.11 ALL CATS VISIBILITY TO 1, AND RNP 0.30 ALL CATS VISIBILITY TO 1 1/4.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 815 TDZE: 813 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	PORT COLUMBUS INTL	RNAV	23 SEP 2010 RNAV (RNP) Z RWY 28R, ORIG	AMDT: NONE DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (RNP)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        APE   K5011670VTHA N40090382W082351788    N40090382W082351788W0060013502     NARAPPLETON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ATIPE K50    W     N39594314W082461016                    W0070     NAR           ATIPE
        SUSAEAENRT   BREMN K50    C   B N39420173W082241572                    W0072     NAR           BREMN
        SUSAEAENRT   CABMI K50    W     N40010228W083094421                    W0067     NAR           CABMI
        SUSAEAENRT   CAGTI K50    W     N39591468W082380184                    W0071     NAR           CAGTI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5ACMH     0     101YHN39595270W082533080W005000815        1800018000C    MNAR    PORT COLUMBUS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5FR28RZ AAPE   010APE  K5D 0V  A    IF                                          18000                A PS
        SUSAP KCMHK5FR28RZ AAPE   020CAGTIK5EA0EE B 010TF                    19710100    + 03000                      A PS
        SUSAP KCMHK5FR28RZ ABREMN 010BREMNK5EA0E  A    IF                                          18000                A PS
        SUSAP KCMHK5FR28RZ ABREMN 020CAGTIK5EA0EE B 010TF                    33340202    + 03000                      A PS
        SUSAP KCMHK5FR28RZ R      010CAGTIK5EA0E  I    IF                                + 03000   18000                A PS
        SUSAP KCMHK5FR28RZ R      020ATIPEK5EA1E  F 051TF                    27940063    + 02500              RW28R K5PGA PS
        SUSAP KCMHK5FR28RZ R      020ATIPEK5EA2W                                      A031A112                          PS
        SUSAP KCMHK5FR28RZ R      030RW28RK5PG0GY M 031TF                    27930051      00862          -300          A PS
        SUSAP KCMHK5FR28RZ R      040CABMIK5EA0EYM  010TF                    27920131    + 03000                      A PS
        SUSAP KCMHK5FR28RZ R      050CABMIK5EA0EE  R020HM                    09900040    + 03000                      A PS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5GRW28R   0080002792 N40000573W082524497+0000    +02135008120000501501

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5SRW28RK5PG              0   18018003125                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: **815** TDZE: **813**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: **PORT COLUMBUS INTL**	**RNAV**	**RNAV (RNP) Z RWY 28R, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

MISSED APPROACH

MAP:

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

LOST COMMUNICATIONS (ALL RWYS):

ADDITIONAL FLIGHT DATA

TDZE:	RWY:	TDZE:	RWY:
TDZE:	RWY:	TDZE:	RWY:

MAG VAR: EPOCH YEAR:

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP / AMDT: / DATED:
DAYTON, OH	1009 JAMES M COX DAYTON INTL	DAY	RADAR 1, AMDT 9, 07/21/1994	SUP / AMDT: 8 / DATED: 12 NOV 92

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DUSKY	HUDOR (FB)	121.84 / 22.01	3000
TVT VOR/DME	YOGUD (FB)	301.30 / 24.68	3000
HUDOR (IAF)	JOKAM (NOPT) (FB)	142.79 / 5.00	3000
YOGUD (IAF)	JOKAM (NOPT) (FB)	322.89 / 5.00	3000
JOKAM (IF/IAF)	ZOLEL (FB)	052.84 / 6.10	2700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW05

CLIMB TO 3000 DIRECT NANNI AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 233.06 INBOUND.
CHART FAS OBST: 1355 TREE 404850N/0823144W
CHART FAS OBST: 1584 TOWER 404710N/0823331W
DISTANCE TO THLD FROM 200 HAT: 0.50 NM.
CHART VDP AT 1.52 MILES TO RW05* *LNAV ONLY.
WAAS CHANNEL # 86519
REFERENCE PATH ID: W05A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW JOKAM, RT, 052.84 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 052.90 FAF: ZOLEL DIST FAF TO MAP: 4.23 THLD: 4.23
4. MIN. ALT: JOKAM 3000, ZOLEL 2700, WOVOM/2.30 NM TO RW05 2060*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: ZOLEL 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.2 34:1 IS CLEAR
8. MSA FROM: RW05 3000

MAG VAR: 6W 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	1497	3/4	200	1497	3/4	200	1497	3/4	200	1497	3/4	200			
LNAV/VNAV DA	1715	1 1/2	418	1715	1 1/2	418	1715	1 1/2	418	1715	1 1/2	418			
LNAV MDA	1820	1	523	1820	1	523	1820	1 1/2	523	1820	1 3/4	523			
CIRCLING	1820	1	523	1820	1	523	1820	1 1/2	523	1880	2	583			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING MARION ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17C (2F) OR ABOVE 46 C (114F).
CHART NOTE: DME/DME RNP-0.3 NA.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 1297 TDZE: 1297	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MANSFIELD, OH	AIRPORT NAME: MANSFIELD LAHM RGNL	RNAV	RNAV (GPS) RWY 5, ORIG 23 SEP 2010	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.
***LNAV ONLY**
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MARION ALTIMETER SETTING AND INCREASE ALL DA 107 FEET AND ALL MDA 120 FEET INCREASE LPV VISIBILITY ALL CATS 1/4 MILE, LNAV/VNAV ALL CATS 1/2 MILE AND LNAV AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DUSKY ON V45-493 NORTHWEST BOUND AND V8 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TVT VOR/DME AIRWAYS RADIALS 267 CW 001.
CHART NOTE: VDP NA WITH MARION ALTIMETER SETTING.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 1297 TDZE: 1297	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MANSFIELD, OH	AIRPORT NAME: MANSFIELD LAHM RGNL	RNAV	RNAV (GPS) RWY 5, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMFD
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	404841.5385N
LTP/FTP LONGITUDE	0823129.3400W
LTP/FTP ELLIPSOIDAL HEIGHT	+03584
FPAP LATITUDE	404942.4000N
FPAP LONGITUDE	0823003.5800W
THRESHOLD CROSSING HEIGHT (TCH)	00050.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	4A75B351

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03922
FPAP ORTHOMETRIC HEIGHT	+03922

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 1297 TDZE: 1297	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MANSFIELD, OH	AIRPORT NAME: MANSFIELD LAHM RGNL	RNAV	RNAV (GPS) RWY 5, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
----------------------------------------------------------------------------------------------------------------------------------
          SUSAD        TVT   K5011650VDLW N40272893W082073665     N40272893W082073665W0030013401     NARTIVERTON

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
----------------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   DUSKY K50    C   L N40545555W083115879                      W0069     NAR           DUSKY
          SUSAEAENRT   HUDOR K50    W     N40451655W082455478                      W0072     NAR           HUDOR
          SUSAEAENRT   JOKAM K50    W     N40413766W082412475                      W0072     NAR           JOKAM
          SUSAEAENRT   NANNI K50    W     N40563235W082202421                      W0075     NAR           NANNI
          SUSAEAENRT   WOVOM K50    W     N40470724W082334208                      W0073     NAR           WOVOM
          SUSAEAENRT   YOGUD K50    W     N40375860W082365521                      W0073     NAR           YOGUD
          SUSAEAENRT   ZOLEL K50    W     N40454807W082353338                      W0073     NAR           ZOLEL

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
----------------------------------------------------------------------------------------------------------------------------------
          SUSAP KMFDK5AMFD      0      090YHN40491710W082305990W006001297         1800018000C    MNAR    MANSFIELD LAHM RGNL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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          SUSAP KMFDK5FR05   ADUSKY 010DUSKYK5EA0E       IF                                          18000              A JS
          SUSAP KMFDK5FR05   ADUSKY 020HUDORK5EA0E  A 020TF                    12180220    + 03000                      A JS
          SUSAP KMFDK5FR05   ADUSKY 030JOKAMK5EA0EE B 010TF                    14280050    + 03000                      A JS
          SUSAP KMFDK5FR05   AJOKAM 010JOKAMK5EA0EE AR   HF                   05280060    + 03000    18000             A JS
          SUSAP KMFDK5FR05   ATVT   010TVT  K5D 0V       IF                                          18000              A JS
          SUSAP KMFDK5FR05   ATVT   020YOGUDK5EA0E  A 020TF                    30130247    + 03000                      A JS
          SUSAP KMFDK5FR05   ATVT   030JOKAMK5EA0EE B 010TF                    32290050    + 03000                      A JS
          SUSAP KMFDK5FR05   R      010JOKAMK5EA0E  I    IF                                + 03000    18000             A JS
          SUSAP KMFDK5FR05   R      020ZOLELK5EA1E  F 051TF                    05280061    + 02700              RW05  K5PGA JS
          SUSAP KMFDK5FR05   R      020ZOLELK5EA2WALPV       ALNAV/VNAV ALNAV                                            JS
          SUSAP KMFDK5FR05   R      021WOVOMK5EA0E S  031TF                    05290019    V 0206002075       -300      A JS
          SUSAP KMFDK5FR05   R      030RW05 K5PG0GY M 031TF                    05290023      01337            -300      A JS
          SUSAP KMFDK5FR05   R      040         0  M  010CA                    0529        + 01497                      A JS
          SUSAP KMFDK5FR05   R      050NANNIK5EA0EY   010DF                                 + 03000                      A JS
          SUSAP KMFDK5FR05   R      060NANNIK5EA0EE  R020HM                    23310060    + 03000                      A JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1297 TDZE: 1297	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MANSFIELD, OH	AIRPORT NAME: MANSFIELD LAHM RGNL	RNAV	RNAV (GPS) RWY 5, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFDK5GRW05     0068000529 N40484154W082312934-0200     +0358401287000050150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFDK5PR05    RW05 001 0000W05A0N4048415385W08231293400+035840300N4049424000W0823003580010675068000050 2F4003504A75B351
        SUSAP KMFDK5PR05    RW05 002E       +03922+03922LPV       86519

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFDK5SRW05 K5PG               0   18018003025                                                                M
```

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 1297 TDZE: 1297	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MANSFIELD, OH	AIRPORT NAME: MANSFIELD LAHM RGNL	RNAV	RNAV (GPS) RWY 5, ORIG 23 SEP 2010	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TVT VOR/DME	CUDIR (FB)	352.07 / 26.15	3000
NEWLO	UMTAW (FB)	194.93 / 5.33	3000
CUDIR (IAF)	NANNI (NOPT) (FB)	323.11 / 5.00	3000
UMTAW (IAF)	NANNI (NOPT) (FB)	143.01 / 5.00	3000
NANNI (IF/IAF)	IXHUP (FB)	233.06 / 6.10	2700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

CLIMB TO 3000 DIRECT JOKAM AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE NANNI, RT, 233.06 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 233.00 FAF: IXHUP DIST FAF TO MAP: 4.28 THLD: 4.28
4. MIN. ALT: NANNI 3000, IXHUP 2700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: IXHUP 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.3 34:1 IS NOT CLEAR
8. MSA FROM: RW23 3000

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 052.84 INBOUND.
CHART FAS OBST: 1379 TREE 404921N/0822941W
CHART FAS OBST: 1388 TREE 404911N/0823016W
DISTANCE TO THLD FROM 250 HAT: 0.70 NM.
CHART VDP AT 1.00 MILES TO RW23* *LNAV ONLY.
WAAS CHANNEL # 87119
REFERENCE PATH ID: W23A
1399 AAO 405307N/0822647W

MAG VAR: 6W 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	1545	1	250	1545	1	250	1545	1	250	1545	1	250			
LNAV/VNAV DA	1649	1 1/4	354	1649	1 1/4	354	1649	1 1/4	354	1649	1 1/4	354			
LNAV MDA	1640	1	345	1640	1	345	1640	1	345	1640	1 1/4	345			
CIRCLING	1760	1	463	1760	1	463	1760	1 1/2	463	1880	2	583			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING MARION ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1297 TDZE: 1295	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MANSFIELD, OH	AIRPORT NAME: MANSFIELD LAHM RGNL	RNAV	RNAV (GPS) RWY 23, ORIG 23 SEP 2010	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.
CHART NOTE: VDP NA WITH MARION ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MARION ALTIMETER SETTING AND INCREASE ALL DA 107 FEET AND ALL MDA 120 FEET. INCREASE LPV VISIBILITY ALL CATS 1/4 MILE, LNAV/VNAV ALL CATS 1/2 MILE AND LNAV CAT C AND D VISIBILITY AND CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART PLAVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NEWLO ON V5 NORTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TVT VOR/DME AIRWAY RADIALS 322 CW 043.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 1297 TDZE: 1295	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MANSFIELD, OH	AIRPORT NAME: **MANSFIELD LAHM RGNL**	**RNAV**	**RNAV (GPS) RWY 23, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMFD
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	404927.4115N
LTP/FTP LONGITUDE	0823024.7225W
LTP/FTP ELLIPSOIDAL HEIGHT	+03552
FPAP LATITUDE	404826.5400N
FPAP LONGITUDE	0823150.4600W
THRESHOLD CROSSING HEIGHT (TCH)	00045.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	349148EB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03890
FPAP ORTHOMETRIC HEIGHT	+03890

QUALITY 5 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
MANSFIELD, OH	ELEVATION: 1297 TDZE: 1295 AIRPORT NAME: MANSFIELD LAHM RGNL	RNAV	RNAV (GPS) RWY 23, ORIG 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        TVT   K5011650VDLW N40272893W082073665    N40272893W082073665W0030013401     NARTIVERTON

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CUDIR K50    W     N40525251W082155478                      W0076     NAR          CUDIR
        SUSAEAENRT   IXHUP K50    W     N40522267W082261745                      W0075     NAR          IXHUP
        SUSAEAENRT   JOKAM K50    W     N40413766W082412475                      W0072     NAR          JOKAM
        SUSAEAENRT   NANNI K50    W     N40563235W082202421                      W0075     NAR          NANNI
        SUSAEAENRT   NEWLO K50    C   L N41052837W082234855                      W0075     NAR          NEWLO
        SUSAEAENRT   UMTAW K50    W     N41001201W082245414                      W0075     NAR          UMTAW

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFDK5AMFD      0     090YHN40491710W082305990W006001297         1800018000C     MNAR     MANSFIELD LAHM RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFDK5FR23    ANANNI 010NANNIK5EA0EE AR   HF                      23310060    + 03000     18000                A JS
        SUSAP KMFDK5FR23    ANEWLO 010NEWLOK5EA0E       IF                                          18000                A JS
        SUSAP KMFDK5FR23    ANEWLO 020UMTAWK5EA0E  A 020TF                      19490053    + 03000                          A JS
        SUSAP KMFDK5FR23    ANEWLO 030NANNIK5EA0EE B 010TF                      14300050    + 03000                          A JS
        SUSAP KMFDK5FR23    ATVT   010TVT  K5D 0V       IF                                          18000                A JS
        SUSAP KMFDK5FR23    ATVT   020CUDIRK5EA0E  A 020TF                      35210262    + 03000                          A JS
        SUSAP KMFDK5FR23    ATVT   030NANNIK5EA0EE B 010TF                      32310050    + 03000                          A JS
        SUSAP KMFDK5FR23    R      010NANNIK5EA0E  I    IF                                     + 03000     18000                A JS
        SUSAP KMFDK5FR23    R      020IXHUPK5EA1E  F 051TF                      23310061    + 02700                 RW23  K5PGA JS
        SUSAP KMFDK5FR23    R      020IXHUPK5EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
        SUSAP KMFDK5FR23    R      030RW23 K5PG0GY M 031TF                      23300043      01321                -300          A JS
        SUSAP KMFDK5FR23    R      040          0  M  010CA                     2330        + 01545                          A JS
        SUSAP KMFDK5FR23    R      050JOKAMK5EA0EY    010DF                                    + 03000                          A JS
        SUSAP KMFDK5FR23    R      060JOKAMK5EA0EE  R020HM                      05280060    + 03000                          A JS
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 1297 TDZE: 1295	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MANSFIELD, OH	AIRPORT NAME: MANSFIELD LAHM RGNL	RNAV	RNAV (GPS) RWY 23, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

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            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFDK5GRW23     0068002330 N40492741W082302472+0200     +0355201276000045150R

            1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFDK5PR23    RW23 001 0000W23A0N4049274115W08230247225+035520300N4048265400W082315046001067506800004 53F400500349148EB
        SUSAP KMFDK5PR23    RW23 002E       +03890+03890LPV        87119

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMFDK5SRW23 K5PG                0   18018003025                                                                    M
```

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
MANSFIELD, OH	**ELEVATION: 1297 TDZE: 1295** AIRPORT NAME: **MANSFIELD LAHM RGNL**	**RNAV**	**RNAV (GPS) RWY 23, ORIG** 23 SEP 2010	SUP: AMDT: **NONE** DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS OR VOR/DME RNAV 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

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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 23 SEP 2010

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 1297 TDZE: 1295	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MANSFIELD, OH	AIRPORT NAME: **MANSFIELD LAHM REGIONAL**	**MFD**	**VOR/DME RNAV OR GPS RWY 23, AMDT 6A, 01/10/2000**	AMDT **6**
				DATE **6/25/1992**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: | | 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 23 SEP 2010

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1030 TDZE: 1030	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP	
BLACKWELL, OK	AIRPORT NAME: BLACKWELL-TONKAWA MUNI	GPS	GPS RWY 17, ORIG-A, 04/13/2006	AMDT	ORIG
				DATE	05/23/1997

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

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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 23 SEP 2010

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1030 TDZE: 1026	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP	
BLACKWELL, OK	AIRPORT NAME: **BLACKWELL-TONKAWA MUNI**	**GPS**	**GPS RWY 35, ORIG-A, 04/13/2006**	AMDT	**ORIG**
				DATE	**05/23/1997**

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

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PER VORTAC	EWAIT (FO)	315.17 / 14.58	2800
EWAIT (IF/IAF)	CUDMU (FB)	173.84 / 6.10	2700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

CLIMB TO 2800 DIRECT IOLLA AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 353.84 INBOUND.
CHART FAS OBST: 1090 TOWER 364458N/0972050W
CHART FAS OBST: 1079 TREE 364536N/0972125W
CHART 1094 TREE 364703N/0972153W.
DISTANCE TO THLD FROM 250 HAT: 0.66 NM.
WAAS CHANNEL # 97519
REFERENCE PATH ID: W17A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N EWAIT, RT, 173.84 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC: 173.84 FAF: CUDMU DIST FAF TO MAP: 5.05 THLD: 5.05
4. MIN. ALT: EWAIT 2800, CUDMU 2700, GUSSI/2.00 NM TO RW17 1700*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: CUDMU 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW17 3200

MAG VAR: 6E 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	1280	1	250	1280	1	250	1280	1	250		NA				
LNAV/VNAV DA	1376	1 1/4	346	1376	1 1/4	346	1376	1 1/4	346		NA				
LNAV MDA	1400	1	370	1400	1	370	1400	1	370		NA				
CIRCLING	1440	1	410	1480	1	450	1480	1 1/2	450		NA				

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
SEE 8260-10

QUALITY 2

CITY AND STATE	ELEVATION: 1030 TDZE: 1030	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BLACKWELL, OK	AIRPORT NAME: BLACKWELL-TONKAWA MUNI	RNAV	RNAV (GPS) RWY 17, ORIG 23 SEP 2010	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.

NOTES CONT.
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PONCA CITY ALTIMETER SETTING AND INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET AND LNAV CAT C VISIBILITY 1/4 MILE.
CHART NOTE: BARO-VNAV NA WHEN USING PONCA CITY ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PER VORTAC AIRWAY RADIALS 274 CW 335.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1030 TDZE: 1030	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BLACKWELL, OK	AIRPORT NAME: BLACKWELL-TONKAWA MUNI	RNAV	RNAV (GPS) RWY 17, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBKN
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	364459.7085N
LTP/FTP LONGITUDE	0972058.5730W
LTP/FTP ELLIPSOIDAL HEIGHT	+02853
FPAP LATITUDE	364330.4900N
FPAP LONGITUDE	0972058.2600W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	EA118A14

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03139
FPAP ORTHOMETRIC HEIGHT	+03139

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1030 TDZE: 1030	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BLACKWELL, OK	AIRPORT NAME: BLACKWELL-TONKAWA MUNI	RNAV	RNAV (GPS) RWY 17, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAD        PER   K4011320VTHW N36444751W097093656    N36444751W097093656E0060010542     NARPIONEER

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   CUDMU K40    W     N36500297W097205962                    E0044     NAR          CUDMU
       SUSAEAENRT   EWAIT K40    W     N36560944W097210090                    E0044     NAR          EWAIT
       SUSAEAENRT   GUSSI K40    W     N36465987W097205899                    E0044     NAR          GUSSI
       SUSAEAENRT   IOLLA K40    W     N36332991W097205618                    E0044     NAR          IOLLA

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KBKNK4ABKN     0     035YHN36444240W097205850E006001030         1800018000C    MNAR     BLACKWELL-TONKAWA MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KBKNK4FR17   APER   010PER  K4D 0V       IF                                                18000                A JS
       SUSAP KBKNK4FR17   APER   020EWAITK4EA0EY   020TF                    31520146    + 02800                                A JS
       SUSAP KBKNK4FR17   APER   030EWAITK4EA0EE AR   HF                    17380040    + 02800                                A JS
       SUSAP KBKNK4FR17   R      010EWAITK4EA0E  I    IF                                + 02800     18000                      A JS
       SUSAP KBKNK4FR17   R      020CUDMUK4EA1E  F 051TF                    17380061    + 02700                 RW17  K4PGA  JS
       SUSAP KBKNK4FR17   R      020CUDMUK4EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
       SUSAP KBKNK4FR17   R      021GUSSIK4EA0E S  031TF                    17380031    V 0170001711        -300           A JS
       SUSAP KBKNK4FR17   R      030RW17 K4PG0GY M 031TF                    17380020      01070             -300           A JS
       SUSAP KBKNK4FR17   R      040         0  M  010CA                    1738        + 01280                          A JS
       SUSAP KBKNK4FR17   R      050IOLLAK4EA0EY   010DF                               + 02800                          A JS
       SUSAP KBKNK4FR17   R      060IOLLAK4EA0EE  R020HM                    35380040    + 02800                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KBKNK4GRW17    0035011738 N36445971W097205857-0600    +028530103000004060R
```



CITY AND STATE	ELEVATION: 1030 TDZE: 1030	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BLACKWELL, OK	AIRPORT NAME: BLACKWELL-TONKAWA MUNI	RNAV	RNAV (GPS) RWY 17, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KBKNK4PR17   RW17 001 0000W17A0N3644597085W0972058573O+028530300N3643304900W09720582600106751680000400F400500EA118A14
    SUSAP KBKNK4PR17   RW17 002E      +03139+03139LPV       97519

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KBKNK4SRW17 K4PG              0   18018003225                                                                  M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1030 TDZE: 1030	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BLACKWELL, OK	AIRPORT NAME: BLACKWELL-TONKAWA MUNI	RNAV	RNAV (GPS) RWY 17, ORIG 23 SEP 2010	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PER VORTAC	IOLLA (FO)	213.00 / 14.50	2800
ALCOR (IAF)	IOLLA (NOPT) (FB)	347.58 / 9.76	2800
IOLLA (IF/IAF)	KIZMA (FB)	353.84 / 6.10	2600

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

CLIMB TO 2800 DIRECT EWAIT AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 173.84 INBOUND.
CHART FAS OBST: 1054 TREE 364423N/0972136W
CHART FAS OBST: 1074 TREE 364240N/0972116W
DISTANCE TO THLD FROM 250 HAT: 0.71 NM.
CHART VDP AT 0.96 MILES TO RW35* *LNAV ONLY.
WAAS CHANNEL # 61119
REFERENCE PATH ID: W35A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S IOLLA, RT, 353.84 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC: 353.84 FAF: KIZMA DIST FAF TO MAP: 4.81 THLD: 4.81
4. MIN. ALT: IOLLA 2800, KIZMA 2600, WINBI/2.00 NM TO RW35 1680*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2600 GS ALT AT: KIZMA 2600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM: RW35 3200

MAG VAR: 6E 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	1276	1	250	1276	1	250	1276	1	250		NA				
LNAV/VNAV DA	1324	1	298	1324	1	298	1324	1	298		NA				
LNAV MDA	1340	1	314	1340	1	314	1340	1	314		NA				
CIRCLING	1440	1	410	1480	1	450	1480	1 1/2	450		NA				

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
SEE 8260-10

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1030 TDZE: 1026	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BLACKWELL, OK	AIRPORT NAME: BLACKWELL-TONKAWA MUNI	RNAV	RNAV (GPS) RWY 35, ORIG 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PONCA CITY ALTIMETER SETTING AND INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PONCA CITY ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PER VORTAC AIRWAY RADIAL 173.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1030 TDZE: 1026	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BLACKWELL, OK	AIRPORT NAME: **BLACKWELL-TONKAWA MUNI**	**RNAV**	**RNAV (GPS) RWY 35, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBKN
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	364425.0965N
LTP/FTP LONGITUDE	0972058.4475W
LTP/FTP ELLIPSOIDAL HEIGHT	+02790
FPAP LATITUDE	364554.3200N
FPAP LONGITUDE	0972058.7600W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	BD25F2C5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03076
FPAP ORTHOMETRIC HEIGHT	+03076

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1030 TDZE: 1026	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BLACKWELL, OK	AIRPORT NAME: BLACKWELL-TONKAWA MUNI	RNAV	RNAV (GPS) RWY 35, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAD        PER    K4011320VTHW N36444751W097093656    N36444751W097093656E0060010542     NARPIONEER

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   ALCOR K40    C   L N36234694W097193485                    E0044     NAR          ALCOR
       SUSAEAENRT   EWAIT K40    W     N36560944W097210090                    E0044     NAR          EWAIT
       SUSAEAENRT   IOLLA K40    W     N36332991W097205618                    E0044     NAR          IOLLA
       SUSAEAENRT   KIZMA K40    W     N36393640W097205745                    E0044     NAR          KIZMA
       SUSAEAENRT   WINBI K40    W     N36422494W097205803                    E0044     NAR          WINBI

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KBKNK4ABKN     0     035YHN36444240W097205850E006001030         1800018000C    MNAR    BLACKWELL-TONKAWA MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KBKNK4FR35   AALCOR 010ALCORK4EA0E  A    IF                                          18000                A JS
       SUSAP KBKNK4FR35   AALCOR 020IOLLAK4EA0EE B 010TF                    34760098    + 02800                       A JS
       SUSAP KBKNK4FR35   APER   010PER  K4D 0V       IF                                          18000                A JS
       SUSAP KBKNK4FR35   APER   020IOLLAK4EA0EY   020TF                   21300145    + 02800                       A JS
       SUSAP KBKNK4FR35   APER   030IOLLAK4EA0EE AR   HF                   35380040    + 02800                       A JS
       SUSAP KBKNK4FR35   R      010IOLLAK4EA0E  I    IF                               + 02800     18000             A JS
       SUSAP KBKNK4FR35   R      020KIZMAK4EA1E  F 051TF                    35380061    + 02600              RW35  K4PGA JS
       SUSAP KBKNK4FR35   R      020KIZMAK4EA2WALPV       ALNAV/VNAV ALNAV                                           JS
       SUSAP KBKNK4FR35   R      021WINBIK4EA0E S  031TF                    35380028    V 0168001690        -300      A JS
       SUSAP KBKNK4FR35   R      030RW35 K4PG0GY M 031TF                    35380020      01049             -300      A JS
       SUSAP KBKNK4FR35   R      040         0  M  010CA                    3538        + 01276                       A JS
       SUSAP KBKNK4FR35   R      050EWAITK4EA0EY   010DF                               + 02800                       A JS
       SUSAP KBKNK4FR35   R      060EWAITK4EA0EE  R020HM                    17380040    + 02800                       A JS
```

QUALITY 4 Customer

CITY AND STATE	ELEVATION: 1030 TDZE: 1026	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BLACKWELL, OK	AIRPORT NAME: BLACKWELL-TONKAWA MUNI	RNAV	RNAV (GPS) RWY 35, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KBKNK4GRW35     0035013538 N36442510W097205845+0600     +027900100900004006OR

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KBKNK4PR35    RW35 001 0000W35A0N3644250965W09720584475+027900300N3645543200W09720587600106751680000400F400500BD25F2C5
        SUSAP KBKNK4PR35    RW35 002E       +03076+03076LPV       61119

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KBKNK4SRW35 K4PG                0   18018003225                                                                M
```

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 1030 TDZE: 1026	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BLACKWELL, OK	AIRPORT NAME: BLACKWELL-TONKAWA MUNI	RNAV	RNAV (GPS) RWY 35, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP: 9.13 MILES AFTER PER VORTAC OR AT EKUKS/PER 9.13 DME FIX

CLIMB TO 2800 THEN RIGHT TURN DIRECT PER VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 1090 TOWER 364458N/0972050W
CHART 1483 TOWER 364535N/0970937W.
FAC CROSSES MID POINT OF RWY 17-35.
CHART AIRPORT ELEVATION 1030.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. **HOLD E PER VORTAC, RT, 263.40 INBOUND, 2800 FT. IN LIEU OF PT (IAF)**
3. FAC **263.40** FAF **PER VORTAC** DIST FAF TO MAP **9.13** THLD ____
4. MIN. ALT **PER VORTAC 2800, SIKAE/PER 6.60 DME 1640***
8. MSA FROM: **PER VORTAC 3200**

MAG VAR: **6E** 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		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	1640	1	610	1640	1	610	1640	1 3/4	610		NA				
SIKAE FIX MINIMUMS															
CIRCLING	1440	1	410	1480	1	450	1480	1 1/2	450		NA				

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PONCA CITY ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

***1680 WHEN USING PONCA CITY ALTIMETER SETTING.**

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1030 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
BLACKWELL, OK	**BLACKWELL-TONKAWA MUNI**	**PER**	**VOR-A, AMDT 4** 23 SEP 2010	SUP ____ AMDT **3A** DATE **12/22/2005**

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

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SPS VORTAC	**GYROE INT/RADAR**	**043.07 / 39.45**	**2700**
DUC VOR/DME	**GYROE INT/RADAR**	**255.88 / 2.08**	**2700**

MISSED APPROACH

MAP: 4.87 MILES AFTER GYROE INT/RADAR

CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DUC VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 326.54 INBOUND.
CHART FAS OBST: 1264 STACK 342525N/0975722W
GYROE TO RW35: 3.04/42.

1. PT **L** SIDE OF COURSE **172.30** OUTBOUND **2700** FT WITHIN **10** MILES OF **GYROE** (IAF)
2.
3. FAC **352.30** FAF **GYROE INT/RADAR** DIST FAF TO MAP **4.87** THLD **4.87**
4. MIN. ALT **GYROE 2700**
8. MSA FROM: **DUC VOR/DME 090-270 2600, 270-090 2900**

MAG VAR: **7E** EPOCH YEAR: **1990**

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-35	**1520**	**1**	**426**	**1520**	**1**	**426**	**1520**	**1 1/4**	**426**	**1520**	**1 1/4**	**426**			
CIRCLING	**1560**	**1**	**446**	**1580**	**1**	**466**	**1580**	**1 1/2**	**466**	**1840**	**2 1/4**	**726**			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HENRY POST AAF (FORT SILL) ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND VISIBILITY S-35 CAT C/D 1/4 MILE AND CIRCLING CAT D 1/4 MILE.
CHART PLANVIEW NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY AT DUC VOR/DME.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1114 TDZE: 1094	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
DUNCAN, OK	AIRPORT NAME: **HALLIBURTON FIELD**	**I-DUC**	**LOC RWY 35, AMDT 5** 23 SEP 2010	AMDT **4C**
				DATE **09/01/2005**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ADM VORTAC	BECAR (FB)	301.61 / 43.93	3000
LAW VOR/DME	ACUDI (FB)	052.56 / 20.05	3000
BECAR (IAF)	CEPAC (FB)	262.36 / 5.00	3000
ACUDI (IAF)	CEPAC (FB)	082.24 / 5.00	3000
CEPAC (IF)	DOCTA (FB)	172.30 / 6.10	2800

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

CLIMB TO 3000 DIRECT JEGMO AND ON TRACK 139.74 TO DUC VOR/DME AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CEPAC
3. FAC: 172.30 FAF: DOCTA DIST FAF TO MAP: 5.06 THLD: 5.06
4. MIN. ALT: CEPAC 3000, DOCTA 2800, TEPCO/2.70 NM TO RW17 2020*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: DOCTA 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.6 34:1 IS NOT CLEAR
8. MSA FROM: RW17 3000

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 326.54 INBOUND.
CHART FAS OBST: 1471 TOWER 343043N/0975807W
CHART 1646 TOWER 343249N/0975632W.
DISTANCE TO THLD FROM 276 HAT: 0.70 NM.
CHART VDP AT 1.93 MILES TO RW17* *LNAV ONLY.
WAAS CHANNEL # 93619
REFERENCE PATH ID: W17A

MAG VAR: 7E 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	1390	1	276	1390	1	276	1390	1	276	1390	1	276			
LNAV/VNAV DA	1903	2 3/4	789	1903	2 3/4	789	1903	2 3/4	789	1903	2 3/4	789			
LNAV MDA	1780	1	666	1780	1	666	1780	1 3/4	666	1780	2	666			
CIRCLING	1780	1	666	1780	1	666	1780	1 3/4	666	1840	2 1/4	726			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING HENRY POST AAF, (FORT SILL) ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
SEE 8260-10

@ CAT D 800-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1114 TDZE: 1114	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DUNCAN, OK	AIRPORT NAME: HALLIBURTON FIELD	RNAV	RNAV (GPS) RWY 17, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED 10/30/2003

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HENRY POST AAF, (FORT SILL) ALTIMETER SETTING AND INCREASE ALL DA 67 FEET AND LPV AND LNAV/VNAV VISIBILITY 1/4 MILE ALL CATS, INCREASE ALL MDA 80 FEET AND LNAV CAT B VISIBILITY 1/4 MILE, CAT C AND D VISIBILITY 1/2 MILE, INCREASE CIRCLING CAT B AND D VISIBILITY 1/4 MILE AND CAT C VISIBILITY 1/2 MILE.
CHART NOTE: VDP NA WITH HENRY POST AAF, (FORT SILL) ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ADM VORTAC AIRWAY RADIALS 321 CW 337.
CHART PLANVIEW NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY AT LAW VOR/DME.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1114 TDZE: 1114	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DUNCAN, OK	AIRPORT NAME: HALLIBURTON FIELD	RNAV	RNAV (GPS) RWY 17, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 10/30/2003

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDUC
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	342848.0260N
LTP/FTP LONGITUDE	0975735.9835W
LTP/FTP ELLIPSOIDAL HEIGHT	+03139
FPAP LATITUDE	342718.7900N
FPAP LONGITUDE	0975734.6600W
THRESHOLD CROSSING HEIGHT (TCH)	00052.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0824
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	A185DEEC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03396
FPAP ORTHOMETRIC HEIGHT	+03396

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1114 TDZE: 1114	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DUNCAN, OK	AIRPORT NAME: HALLIBURTON FIELD	RNAV	RNAV (GPS) RWY 17, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 10/30/2003

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        ADM   K4011670VTHW N34124171W097100562    N34124171W097100562E0060009372     NARARDMORE
          SUSAD        DUC   K4011100VDLW N34230413W097550055    N34230413W097550055E0090010871     NARDUNCAN
          SUSAD        LAW   K4010940VDLW N34294623W098244710    N34294623W098244710E0090011041     NARLAWTON

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   ACUDI K40    W     N34395489W098034957                    E0049     NAR           ACUDI
          SUSAEAENRT   BECAR K40    W     N34400223W097514222                    E0047     NAR           BECAR
          SUSAEAENRT   CEPAC K40    W     N34395871W097574590                    E0048     NAR           CEPAC
          SUSAEAENRT   DOCTA K40    W     N34335197W097574047                    E0048     NAR           DOCTA
          SUSAEAENRT   JEGMO K40    W     N34261779W097573376                    E0048     NAR           JEGMO
          SUSAEAENRT   TEPCO K40    W     N34313029W097573838                    E0048     NAR           TEPCO

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KDUCK4ADUC      0     063YHN34281670W097573550E007001114         1800018000C    MNAR    HALLIBURTON FIELD

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KDUCK4FR17   AADM   010ADM  K4D 0V       IF                                                18000              A JS
          SUSAP KDUCK4FR17   AADM   020BECARK4EA0E  A 020TF                    30160439    + 03000                          A JS
          SUSAP KDUCK4FR17   AADM   030CEPACK4EA0EE B 010TF                    26240050    + 03000                          A JS
          SUSAP KDUCK4FR17   ALAW   010LAW  K4D 0V       IF                                                18000              A JS
          SUSAP KDUCK4FR17   ALAW   020ACUDIK4EA0E  A 020TF                    05260201    + 03000                          A JS
          SUSAP KDUCK4FR17   ALAW   030CEPACK4EA0EE B 010TF                    08220050    + 03000                          A JS
          SUSAP KDUCK4FR17   R      010CEPACK4EA0E  I    IF                                + 03000     18000                A JS
          SUSAP KDUCK4FR17   R      020DOCTAK4EA1E  F 051TF                    17230061    + 02800                RW17  K4PGA JS
          SUSAP KDUCK4FR17   R      020DOCTAK4EA2WALFV       ALNAV/VNAV ALNAV                                                JS
          SUSAP KDUCK4FR17   R      021TEPCOK4EA0E S  031TF                    17230024    V 0202002034       -300          A JS
          SUSAP KDUCK4FR17   R      030RW17 K4PG0GY M 031TF                    17230027      01167            -300          A JS
          SUSAP KDUCK4FR17   R      040         0  M  010CA                    1723        + 01390                          A JS
          SUSAP KDUCK4FR17   R      050JEGMOK4EA0E    010DF                                                               A JS
          SUSAP KDUCK4FR17   R      060DUC  K4D 0VY   010TF                    1397        + 03000                          A JS
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1114 TDZE: 1114	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DUNCAN, OK	AIRPORT NAME: **HALLIBURTON FIELD**	**RNAV**	**RNAV (GPS) RWY 17, AMDT 1** 23 SEP 2010	AMDT: **ORIG**
				DATED: **10/30/2003**

```
        SUSAP KDUCK4FR17   R      070DUC  K4D 0VE  R020HM                    32650040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDUCK4GRW17    0063261723 N34284803W097573598-0400    +0313901114000053100R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDUCK4PR17   RW17 001 0000W17A0N3428480260W09757359835+031390300N3427187900W0975734660010675082400052 6F400500A185DEEC
        SUSAP KDUCK4PR17   RW17 002E      +03396+03396LPV       93619

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDUCK4SRW17 K4PG              0   18018003025                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1114 TDZE: 1114	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DUNCAN, OK	AIRPORT NAME: **HALLIBURTON FIELD**	**RNAV**	**RNAV (GPS) RWY 17, AMDT 1** 23 SEP 2010	AMDT: **ORIG**
				DATED: **10/30/2003**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ADM VORTAC	CALSA (FB)	269.93 / 34.47	3000
LAW VOR/DME	BICAL (FB)	119.53 / 22.00	3000
BICAL (IAF)	ACUGI (FB)	082.24 / 5.00	3000
CALSA (IAF)	ACUGI (FB)	262.36 / 5.00	3000
ACUGI (IF)	GYROE (FB)	352.30 / 6.19	2700

MISSED APPROACH

LNAV: RW35

CLIMBING RIGHT TURN TO 3000 DIRECT DUC VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 326.54 INBOUND.
FAS OBST: 1289 AAO 342345N/0975836W
CHART VDP AT 1.29 MILES TO RW35.
GYROE TO RW35: 3.04/42.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ACUGI
3. FAC: 352.30 FAF: GYROE DIST FAF TO MAP: 4.87 THLD: 4.87
4. MIN. ALT: ACUGI 3000, GYROE 2700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW35 2900

MAG VAR: 7E 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	1540	1	446	1540	1	446	1540	1 1/4	446	1540	1 1/2	446			
CIRCLING	1560	1	446	1580	1	466	1580	1 1/2	466	1840	2 1/4	726			

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 HENRY POST AAF, (FORT SILL) ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND LNAV CAT C/D VISIBILITY 1/4 MILE, AND CIRCLING CAT D SEE 8260-10

@ CAT D 800-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1114 TDZE: 1094	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: 2
DUNCAN, OK	AIRPORT NAME: HALLIBURTON FIELD	RNAV	RNAV (GPS) RWY 35, AMDT 1 23 SEP 2010	AMDT:
				DATED 09/01/2005

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport 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: VDP NA WITH HENRY POST AAF, (FORT SILL) ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ADM VORTAC AIRWAY RADIALS 213 CW 321.
CHART PLANVIEW NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY AT LAW VOR/DME.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1114 TDZE: 1094	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DUNCAN, OK	AIRPORT NAME: HALLIBURTON FIELD	RNAV	RNAV (GPS) RWY 35, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 09/01/2005

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ADM   K4011670VTHW N34124171W097100562    N34124171W097100562E0060009372     NARARDMORE
        SUSAD        DUC   K4011100VDLW N34230413W097550055    N34230413W097550055E0090010871     NARDUNCAN
        SUSAD        LAW   K4010940VDLW N34294623W098244710    N34294623W098244710E0090011041     NARLAWTON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ACUGI K40    W     N34164117W097572528                    E0048     NAR           ACUGI
        SUSAEAENRT   BICAL K40    W     N34163735W098032727                    E0049     NAR           BICAL
        SUSAEAENRT   CALSA K40    W     N34164470W097512328                    E0047     NAR           CALSA
        SUSAEAENRT   GYROE K40    C     N34225294W097573075                    E0048     NAR           GYROE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDUCK4ADUC     0     063YHN34281670W097573550E007001114         1800018000C    MNAR    HALLIBURTON FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDUCK4FR35   AADM   010ADM  K4D 0V       IF                                                 18000              B JS
        SUSAP KDUCK4FR35   AADM   020CALSAK4EA0E  A 020TF                    26990345    + 03000                           B JS
        SUSAP KDUCK4FR35   AADM   030ACUGIK4EA0EE B 010TF                    26240050    + 03000                           B JS
        SUSAP KDUCK4FR35   ALAW   010LAW  K4D 0V       IF                                                 18000              B JS
        SUSAP KDUCK4FR35   ALAW   020BICALK4EA0E  A 020TF                    11950220    + 03000                           B JS
        SUSAP KDUCK4FR35   ALAW   030ACUGIK4EA0EE B 010TF                    08220050    + 03000                           B JS
        SUSAP KDUCK4FR35   R      010ACUGIK4EA0E  I    IF                                + 03000     18000                 B JS
        SUSAP KDUCK4FR35   R      020GYROEK4EA1E  F 051TF                    35230062    + 02700                RW35  K4PGB JS
        SUSAP KDUCK4FR35   R      020GYROEK4EA2WN          N          ALNAV                                                JS
        SUSAP KDUCK4FR35   R      030RW35 K4PGOGY M 031TF                    35230049      01129          -304              B JS
        SUSAP KDUCK4FR35   R      040         0  M  010CA                    3523        + 01514                           B JS
        SUSAP KDUCK4FR35   R      050DUC  K4D 0VY  R010DF                                + 03000                           B JS
        SUSAP KDUCK4FR35   R      060DUC  K4D 0VE  R020HM                    32650040    + 03000                           B JS
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1114 TDZE: 1094	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DUNCAN, OK	AIRPORT NAME: HALLIBURTON FIELD	RNAV	RNAV (GPS) RWY 35, AMDT 1	AMDT: ORIG
			23 SEP 2010	DATED: 09/01/2005

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KDUCK4GRW35     0063263523 N34274546W097573506+0400     +0305801087000042100R

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KDUCK4SRW35 K4PG               0    18018002925                                                                  M
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1114 TDZE: 1094	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DUNCAN, OK	AIRPORT NAME: HALLIBURTON FIELD	RNAV	RNAV (GPS) RWY 35, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 09/01/2005

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ADM VORTAC	DUC VOR/DME	279.76 / 38.63	3000
LAW VOR/DME	DUC VOR/DME	096.06 / 25.52	3000

MISSED APPROACH

MAP: 5.14 MILES AFTER VOR/DME OR AT DUC 5.14 DME FIX

CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DUC VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 326.54 INBOUND.
CHART FAS OBST: 1229 TREE 342714N/0975622W
1339 AAO 342336N/0975408W.
DUC VOR/DME TO RW35: 3.06/42.

1. PT L SIDE OF COURSE 146.54 OUTBOUND 2800 FT WITHIN 10 MILES OF DUC VOR/DME (IAF)
2.
3. FAC 326.54 FAF DUC VOR/DME DIST FAF TO MAP 5.14 THLD 5.14
4. MIN. ALT DUC VOR/DME 2800, JUDGO/DUC 3.50 DME 1580*
8. MSA FROM: DUC VOR/DME 090-270 2600, 270-090 2900

MAG VAR: 9E 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
S-35	1580	1	486	1580	1	486	1580	1 1/4	486	1580	1 1/2	486			
CIRCLING	1580	1	466	1580	1	466	1580	1 1/2	466	1840	2 1/4	726			
JUDGO FIX MINIMUMS															
S-35	1480	1	386	1480	1	386	1480	1	386	1480	1 1/4	386			
CIRCLING	1560	1	446	1580	1	466	1580	1 1/2	466	1840	2 1/4	726			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY AT LAW VOR/DME.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HENRY POST AAF (FORT SILL) ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND VISIBILITY S-35 CAT C/D AND CIRCLING CAT D 1/4 MILE, SEE 8260-10

@ CAT D 800-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 1114 TDZE: 1094	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
DUNCAN, OK	AIRPORT NAME: HALLIBURTON FIELD	DUC	VOR RWY 35, AMDT 12 23 SEP 2010	AMDT 11
				DATE 09/01/2005

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

NOTES CONT.
JUDGO FIX MINIMUMS: INCREASE S-35 CAT C/D AND CIRCLING CAT D 1/4 MILE.
*** 1660 WHEN USING HENRY POST AAF (FORT SILL) ALTIMETER SETTING.**

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DUNCAN, OK	**ELEVATION: 1114 TDZE: 1094** AIRPORT NAME: **HALLIBURTON FIELD**	**DUC**	**VOR RWY 35, AMDT 12** 23 SEP 2010	AMDT: **11** DATED: **09/01/2005**

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
IRW VORTAC	SUYBE LOM	073.31 / 33.13	3000
LOBOE INT	SUYBE LOM	307.32 / 16.35	2800
TOTES INT	SUYBE LOM	168.46 / 18.54	2800

MISSED APPROACH

ILS: DA
LOC: 5.05 MILES AFTER SUYBE LOM

CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 2800 DIRECT SUYBE LOM AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 173.94 INBOUND.
FAS OBST: 1279 AAO 352514N/0965611W

1. PT L SIDE OF COURSE 353.94 OUTBOUND 2800 FT WITHIN 10 MILES OF SUYBE LOM (IAF)
2.
3. FAC: 173.94 FAF: SUYBE LOM DIST FAF TO MAP: 5.05 THLD: 5.05
4. MIN. ALT: SUYBE LOM 2800
5. DIST TO THLD FROM OM: 5.05 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1000
6. MIN GS INCPT: 2800 GS ALT AT: GS INTCP 2800 OM: 2758 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 58.0
8. MSA FROM: HNQ NDB 170-350 3800, 350-170 2600

MAG VAR: 6E 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		
	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 17	1273	1/2	200	1273	1/2	200	1273	1/2	200		NA				
S-LOC 17	1540	1/2	467	1540	1/2	467	1540	3/4	467		NA				
CIRCLING	1600	1	527	1600	1	527	1600	1 1/2	527		NA				

NOTES:
CHART PLANVIEW NOTE: ADF REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SEMINOLE ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET; INCREASE VISIBILITY S-LOC 17 CAT C 1/4 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1073 TDZE: 1073 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SHAWNEE, OK	SHAWNEE RGNL	I-HNQ	ILS OR LOC RWY 17, AMDT 2 23 SEP 2010	AMDT: 1 DATED 10/30/2003

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HIKIT (IAF)	FAVAN (NOPT) (FB)	264.00 / 5.00	3000
JEBNU (IAF)	FAVAN (NOPT) (FB)	083.88 / 5.00	3000
FAVAN (IF/IAF)	NESIY (FB)	173.94 / 6.00	2800

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

CLIMB TO 4000 DIRECT HEDEK AND ON TRACK 179.00 TO MINGG AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 106.00 INBOUND.
CHART FAS OBST: 1203 BLDG 352203N/0965715W
DISTANCE TO THLD FROM 200 HAT: 0.46 NM.
WAAS CHANNEL # 86919
REFERENCE PATH ID: W17A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N FAVAN, RT, 173.94 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 173.94 FAF: NESIY DIST FAF TO MAP: 5.18 THLD: 5.18
4. MIN. ALT: FAVAN 3000, NESIY 2800, OWNOJ/1.70 NM TO RW17 1660*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: NESIY 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 58.0 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 6E 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	1273	1/2	200	1273	1/2	200	1273	1/2	200		NA				
LNAV/VNAV DA	1447	3/4	374	1447	3/4	374	1447	3/4	374		NA				
LNAV MDA	1540	1/2	467	1540	1/2	467	1540	3/4	467		NA				
CIRCLING	1600	1	527	1600	1	527	1600	1 1/2	527		NA				

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING SEMINOLE ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHECKED

CITY AND STATE	ELEVATION: 1073 TDZE: 1073	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SHAWNEE, OK	AIRPORT NAME: SHAWNEE RGNL	RNAV	RNAV (GPS) RWY 17, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED 10/30/2003

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
***LNAV ONLY**
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SEMINOLE ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET. INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	084/30 CW 264/30 (NOPT)	084/15 CW 264/15	3800
2.	084/15 CW 264/15	FAVAN (IF/IAF)	3000
3.	264/30 CW 354/30	HIKIT (IAF)	3000
4.	354/30 CW 084/30	354/15 CW 084/15	3800
5.	354/15 CW 084/15	JEBNU (IAF)	3000

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1073 TDZE: 1073	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SHAWNEE, OK	AIRPORT NAME: SHAWNEE RGNL	RNAV	RNAV (GPS) RWY 17, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 10/30/2003

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSNL
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	352155.9755N
LTP/FTP LONGITUDE	0965834.2355W
LTP/FTP ELLIPSOIDAL HEIGHT	+02987
FPAP LATITUDE	352056.6700N
FPAP LONGITUDE	0965634.1600W
THRESHOLD CROSSING HEIGHT (TCH)	00058.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	104.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D1C47AB1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03259
FPAP ORTHOMETRIC HEIGHT	+03259

QUALITY CHECKED

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FAVAN K40    W     N35330781W096563510                    E0042     NAR           FAVAN
        SUSAEAENRT   HEDEK K40    W     N35145532W096563370                    E0042     NAR           HEDEK
        SUSAEAENRT   HIKIT K40    W     N35330797W096502744                    E0041     NAR           HIKIT
        SUSAEAENRT   JEBNU K40    W     N35330734W097024276                    E0042     NAR           JEBNU
        SUSAEAENRT   MINGG K40    C   L N35074387W096571968                    E0042     NAR           MINGG
        SUSAEAENRT   NESIY K40    W     N35270718W096563464                    E0042     NAR           NESIY
        SUSAEAENRT   OWNOJ K40    W     N35233814W096563437                    E0042     NAR           OWNOJ

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSNLK4ASNL     0     059YHN35212630W096563420E006001073         1800018000C    MNAR    SHAWNEE RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSNLK4FR17   AFAVAN 010FAVANK4EA0EE AR   HF                    17390040    + 03000     18000                A JS
        SUSAP KSNLK4FR17   AHIKIT 010HIKITK4EA0E  A    IF                                        18000                A JS
        SUSAP KSNLK4FR17   AHIKIT 020FAVANK4EA0EE B 010TF                    26400050    + 03000                          A JS
        SUSAP KSNLK4FR17   AJEBNU 010JEBNUK4EA0E  A    IF                                        18000                A JS
        SUSAP KSNLK4FR17   AJEBNU 020FAVANK4EA0EE B 010TF                    08390050    + 03000                          A JS
        SUSAP KSNLK4FR17   R      010FAVANK4EA0E  I    IF                               + 03000     18000                A JS
        SUSAP KSNLK4FR17   R      020NESIYK4EA1E  F 051TF                    17390060    + 02800                          A JS
        SUSAP KSNLK4FR17   R      020NESIYK4EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KSNLK4FR17   R      021OWNOJK4EA0E S  031TF                    17390035    V 0166001672        -300         A JS
        SUSAP KSNLK4FR17   R      030RW17 K4PG0GY M 031TF                    17390017      01127             -300         A JS
        SUSAP KSNLK4FR17   R      040         0  M  010CA                    1739        + 01273                          A JS
        SUSAP KSNLK4FR17   R      050HEDEKK4EA0E    010DF                                                              A JS
        SUSAP KSNLK4FR17   R      060MINGGK4EA0EY   010TF                    1790        + 04000                          A JS
        SUSAP KSNLK4FR17   R      070MINGGK4EA0EE  R020HM                     10600040    + 04000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSNLK4GRW17    0059971739 N35215598W096563424+0000    +02987010690000581001
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QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 1073 TDZE: 1073	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SHAWNEE, OK	AIRPORT NAME: SHAWNEE RGNL	RNAV	RNAV (GPS) RWY 17, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 10/30/2003

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSNLK4PR17    RW17 001 0000W17A0N3521559755W09656342355+029870300N3520566700W096563416001047500000000580F400350D1C47AB1
        SUSAP KSNLK4PR17    RW17 002E       +03259+03259LPV       86919
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1073 TDZE: 1073	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SHAWNEE, OK	AIRPORT NAME: SHAWNEE RGNL	RNAV	RNAV (GPS) RWY 17, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 10/30/2003

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
IDIRE (IAF)	HAGIL (NOPT) (FB)	353.27 / 6.00	3500
JADLA (IAF)	HAGIL (NOPT) (FB)	173.27 / 6.00	3500
HAGIL (IF/IAF)	CEBIP (FB)	083.27 / 6.20	2800

MISSED APPROACH

LNAV/VNAV: DA
LNAV: RW08

CLIMB TO 3600 DIRECT JESON AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 263.58 INBOUND.
CHART FAS OBST: 785 TOWER 361224N/0955431W
CHART FAS OBST: 1097 TOWER 361119N/0960005W
DISTANCE TO THLD FROM 414 HAT: 1.14 NM.
CHART VDP AT 2.06 MILES TO RW08* *LNAV ONLY.
CHART: ASR

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W HAGIL, RT, 083.27 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
3. FAC: 083.34 FAF: CEBIP DIST FAF TO MAP: 6.41 THLD: 6.41
4. MIN. ALT: HAGIL 3500, CEBIP 2800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: CEBIP 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 6E 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/VNAV DA	1085	1 1/2	414	1085	1 1/2	414	1085	1 1/2	414	1085	1 1/2	414	1085	1 1/2	414
LNAV MDA	1380	1	709	1380	1	709	1380	2	709	1380	2 1/4	709	1380	2 1/2	709
CIRCLING	1380	1	703	1380	1	703	1380	2	703	1380	2 1/4	703	1380	2 1/2	703

NOTES:
CHART NOTE: CIRCLING NA FOR CAT E SOUTH OF RWY 8-26.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 48C (118F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

@ CAT D 800-2 1/4, CAT E 800-2 1/2

QUALITY CHECKED

CITY AND STATE	ELEVATION: 677 TDZE: 671	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TULSA, OK	AIRPORT NAME: TULSA INTL	RNAV	RNAV (GPS) RWY 8, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				DATED 07/31/2008

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TAA

	FROM	TO	ALT
1.	353/30 CW 173/30 (NOPT)	HAGIL (IF/IAF) (FB)	3500
2.	173/30 CW 263/30	JADLA (IAF) (FB)	3500
3.	263/30 CW 353/30	IDIRE (IAF) (FB)	3600

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
TULSA, OK	ELEVATION: 677 TDZE: 671 AIRPORT NAME: TULSA INTL	RNAV	RNAV (GPS) RWY 8, AMDT 1 23 SEP 2010	SUP: AMDT: ORIG-A DATED: 07/31/2008

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CEBIP K40    W     N36113939W096015145                      E0036     NAR           CEBIP
        SUSAEAENRT   HAGIL K40    W     N36113487W096093120                      E0036     NAR           HAGIL
        SUSAEAENRT   IDIRE K40    W     N36053439W096092554                      E0036     NAR           IDIRE
        SUSAEAENRT   JADLA K40    W     N36173535W096093687                      E0036     NAR           JADLA
        SUSAEAENRT   JESON K40    W     N36115073W095365993                      E0033     NAR           JESON

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTULK4ATUL     0     099YHN36115420W095531720E006000677         1800018000C    MNAR     TULSA INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTULK4FR08    AHAGIL 010HAGILK4EA0EE AR   HF                    08330040    + 03500     18000                A JS
        SUSAP KTULK4FR08    AIDIRE 010IDIREK4EA0E  A    IF                                        18000                A JS
        SUSAP KTULK4FR08    AIDIRE 020HAGILK4EA0EE B 010TF                    35330060    + 03500                          A JS
        SUSAP KTULK4FR08    AJADLA 010JADLAK4EA0E  A    IF                                        18000                A JS
        SUSAP KTULK4FR08    AJADLA 020HAGILK4EA0EE B 010TF                    17330060    + 03500                          A JS
        SUSAP KTULK4FR08    R      010HAGILK4EA0E  I    IF                               + 03500     18000                A JS
        SUSAP KTULK4FR08    R      020CEBIPK4EA1E  F 051TF                   08330062    + 02800                          A JS
        SUSAP KTULK4FR08    R      020CEBIPK4EA2WN          ALNAV/VNAV ALNAV                                               JS
        SUSAP KTULK4FR08    R      030RW08 K4PG0GY M 031TF                   08330064      00723           -300           A JS
        SUSAP KTULK4FR08    R      040         0 . M  010CA                  0833        + 01077                          A JS
        SUSAP KTULK4FR08    R      050JESONK4EA0EY   010DF                             + 03600                          A JS
        SUSAP KTULK4FR08    R      060JESONK4EA0EE   R020HM                  26360040    + 03600                          A JS

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

CITY AND STATE	ELEVATION: 677 TDZE: 671	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TULSA, OK	AIRPORT NAME: **TULSA INTL**	**RNAV**	**RNAV (GPS) RWY 8, AMDT 1** 23 SEP 2010	AMDT: **ORIG-A**
				DATED: **07/31/2008**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
COPOL (IAF)	JESON (NOPT) (FB)	353.58 / 6.00	3600
HARSO (IAF)	JESON (NOPT) (FB)	173.58 / 6.00	3600
JESON (IF/IAF)	MIROE (FB)	263.58 / 7.51	2300

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW26

CLIMB TO 3500 DIRECT HAGIL AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E JESON, RT, 263.58 INBOUND, 3600 FT. IN LIEU OF PT (IAF)
3. FAC: 263.49 FAF: MIROE DIST FAF TO MAP: 4.99 THLD: 4.99
4. MIN. ALT: JESON 3600, MIROE 2300, JETRO/3.00 NM TO RW26 1640
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2300 GS ALT AT: MIROE 2300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.0 34:1 IS CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 083.27 INBOUND.
CHART FAS OBST: 706 LT ON BLDG 361137N/0955220W
CHART FAS OBST: 845 TOWER 361220N/0954916W
CHART 1130 TOWER 361048N/0954703W.
CHART 887 ELEVATOR 361144N/0954841W
DISTANCE TO THLD FROM 200 HAT: 0.51 NM.
CHART VDP AT 1.48 MILES TO RW26* *LNAV ONLY.
WAAS CHANNEL # 93814
REFERENCE PATH ID: W26A
CHART: ASR

MAG VAR: 6E 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	851	3/4	200	851	3/4	200	851	3/4	200	851	3/4	200	851	3/4	200
LNAV/VNAV DA	1088	1 1/2	437	1088	1 1/2	437	1088	1 1/2	437	1088	1 1/2	437	1088	1 1/2	437
LNAV MDA	1160	1	509	1160	1	509	1160	1 1/2	509	1160	1 1/2	509	1160	1 3/4	509
CIRCLING	1160	1	483	1160	1	483	1160	1 1/2	483	1300	2	623	1300	2 1/4	623

NOTES:
CHART NOTE: CIRCLING NA FOR CAT E SOUTH OF RWY 8-26.
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.
@ CAT E 800-2 1/4

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 677 TDZE: 651	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 26
TULSA, OK	AIRPORT NAME: TULSA INTL	RNAV	RNAV (GPS) Y RWY 26, AMDT 3 23 SEP 2010	AMDT: 2
				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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TAA

	FROM	TO	ALT
1.	174/30 CW 354/30 (NOPT)	JESON (IF/IAF) (FB)	3600
2.	354/30 CW 084/30	COPOL (IAF) (FB)	3600
3.	084/30 CW 174/30	HARSO (IAF) (FB)	3600

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
TULSA, OK	ELEVATION: 677 TDZE: 651 AIRPORT NAME: TULSA INTL	RNAV	RNAV (GPS) Y RWY 26, AMDT 3 23 SEP 2010	SUP: RNAV (GPS) RWY 26 AMDT: 2 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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTUL
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	361144.2800N
LTP/FTP LONGITUDE	0955226.5300W
LTP/FTP ELLIPSOIDAL HEIGHT	+01640
FPAP LATITUDE	361143.3800N
FPAP LONGITUDE	0955416.6100W
THRESHOLD CROSSING HEIGHT (TCH)	00057.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0504
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	A0FD8E64

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01929
FPAP ORTHOMETRIC HEIGHT	+01929

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 677 TDZE: 651	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 26
TULSA, OK	AIRPORT NAME: TULSA INTL	RNAV	RNAV (GPS) Y RWY 26, AMDT 3 23 SEP 2010	AMDT: 2
				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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAEAENRT   COPOL K40    W     N36055022W095365667                    E0033     NAR           COPOL
    SUSAEAENRT   HAGIL K40    W     N36113487W096093120                    E0036     NAR           HAGIL
    SUSAEAENRT   HARSO K40    W     N36175122W095370319                    E0033     NAR           HARSO
    SUSAEAENRT   JESON K40    W     N36115073W095365993                    E0033     NAR           JESON
    SUSAEAENRT   JETRO K40    W     N36114602W095484415                    E0034     NAR           JETRO
    SUSAEAENRT   MIROE K40    W     N36114710W095461689                    E0034     NAR           MIROE

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KTULK4ATUL     0     099YHN36115420W095531720E006000677         1800018000C     MNAR     TULSA INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KTULK4FR26-Y ACOPOL 010COPOLK4EA0E  A    IF                                          18000                  A JS
    SUSAP KTULK4FR26-Y ACOPOL 020JESONK4EA0EE B 010TF                    35360060    + 03600                        A JS
    SUSAP KTULK4FR26-Y AHARSO 010HARSOK4EA0E  A    IF                                          18000                  A JS
    SUSAP KTULK4FR26-Y AHARSO 020JESONK4EA0EE B 010TF                    17360060    + 03600                        A JS
    SUSAP KTULK4FR26-Y AJESON 010JESONK4EA0EE AR   HF                    26360040    + 03600     18000              A JS
    SUSAP KTULK4FR26-Y R      010JESONK4EA0E  I    IF                                + 03600     18000              A JS
    SUSAP KTULK4FR26-Y R      020MIROEK4EA1E  F 051TF                    26360075    + 02300                        A JS
    SUSAP KTULK4FR26-Y R      020MIROEK4EA2WALPV       ALNAV/VNAV ALNAV                                               JS
    SUSAP KTULK4FR26-Y R      021JETROK4EA0E S  031TF                    26350020    V 0164001654        -300       A JS
    SUSAP KTULK4FR26-Y R      030RW26 K4PG0GY M 031TF                    26350030      00690             -300       A JS
    SUSAP KTULK4FR26-Y R      040         0  M  010CA                    2635        + 00851                        A JS
    SUSAP KTULK4FR26-Y R      050HAGILK4EA0EY   010DF                                + 03500                        A JS
    SUSAP KTULK4FR26-Y R      060HAGILK4EA0EE  R020HM                    08330040    + 03500                        A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KTULK4GRW26     0073762634 N36114428W095522653+0500     +016400063300005715OR
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 677 TDZE: 651	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 26
TULSA, OK	AIRPORT NAME: TULSA INTL	RNAV	RNAV (GPS) Y RWY 26, AMDT 3	AMDT: 2
			23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTULK4PR26-Y RW26 001Y0000W26A0N3611442800W09552265300+016400300N3611433800W095541661001067505040005 70F400350A0FD8E64
        SUSAP KTULK4PR26-Y RW26 002E      +01929+01929LPV       93814
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QUALITY 4 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
TULSA, OK	ELEVATION: 677 TDZE: 651 AIRPORT NAME: TULSA INTL	RNAV	RNAV (GPS) Y RWY 26, AMDT 3 23 SEP 2010	SUP: RNAV (GPS) RWY 26 AMDT: 2 DATED: 08/27/2009

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TUL VORTAC	AGGIE/11.00 DME	261.50 / 11.00	3300

MISSED APPROACH

MAP: 5.39 DME FIX

CLIMB TO 3500 DIRECT TUL VORTAC THEN VIA TUL R-079 TO INOLA INT/TUL 17.83 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 259.38 INBOUND.
CHART FAS OBST: 821 TOWER 361040N/0955545W
CHART 1152 TOWER 361018N/0955721W.
CHART 918 TOWER 361214N/0955701W.
CHART VDP AT 6.51 DME;
DISTANCE VDP TO THLD 1.12 MILES.
AGGIE TO RW08: 3.49/52.
CHART: ASR

1. PT L SIDE OF COURSE 261.50 OUTBOUND 3300 FT WITHIN 15 MILES OF AGGIE (IAF)
2.
3. FAC 081.50 FAF AGGIE/11.00 DME DIST FAF TO MAP THLD 5.61
4. MIN. ALT AGGIE 2800, ODERE/7.50 DME 1500
8. MSA FROM: TUL VORTAC 100-280 3600, 280-100 3100

MAG VAR: 8E EPOCH YEAR:1970

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	1080	1	409	1080	1	409	1080	1 1/4	409	1080	1 1/4	409	1080	1 1/2	409
CIRCLING	1120	1	443	1140	1	463	1140	1 1/2	463	1300	2	623	1300	2 1/4	623

NOTES:

CHART NOTE: CIRCLING NA FOR CAT E SOUTH OF RWY 8-26.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

@ CAT E 800-2 1/4

QUALITY CHECKED

CITY AND STATE	ELEVATION: 677 TDZE: 671	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR/DME OR TACAN RWY 8
TULSA, OK	AIRPORT NAME: TULSA INTL	TUL	VOR/DME RWY 8, AMDT 4 23 SEP 2010	AMDT 3C
				DATE 04/20/2000

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

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

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP: 4.17 MILES AFTER TUL VORTAC OR AT TUL 4.17 DME FIX

CLIMBING LEFT TURN TO 2600 VIA HEADING 220 AND TUL VORTAC R-238 TO KEVIL INT/TUL 25.43 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 238.00 INBOUND.
CHART FAS OBST: 803 TOWER 361044N/0955034W
CHART 887 ELEVATOR 361144N/0954841W.
999 AAO 361056N/0954717W
CHART VDP AT 3.01 DME;
DISTANCE VDP TO THLD 1.16 MILES.
TUL VORTAC TO RW26: 2.96/57.
CHART: ASR

1. PT **L** SIDE OF COURSE **081.51** OUTBOUND **2400** FT WITHIN **15** MILES OF **TUL VORTAC** (IAF)
2.
3. FAC **261.51** FAF **TUL VORTAC** DIST FAF TO MAP **4.17** THLD **4.17**
4. MIN. ALT **TUL VORTAC 2000, HUKDO/2.50 DME 1200**
8. MSA FROM: **TUL VORTAC 100-280 3600, 280-100 3100**

MAG VAR: **8E** EPOCH YEAR: **1970**

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-26	1200	1	549	1200	1	549	1200	1 1/2	549	1200	1 3/4	549	1200	2	549
CIRCLING	1200	1	523	1200	1	523	1200	1 1/2	523	1300	2	623	1300	2 1/4	623
HUKDO FIX MINIMUMS															
S-26	1060	1	409	1060	1	409	1060	1 1/4	409	1060	1 1/4	409	1060	1 1/2	409
CIRCLING	1120	1	443	1140	1	463	1140	1 1/2	463	1300	2	623	1300	2 1/4	623

NOTES:

CHART NOTE: CIRCLING NA FOR CAT E SOUTH OF RWY 8-26.

@ CAT E 800-2 1/4

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
TULSA, OK	**ELEVATION: 677 TDZE: 651** AIRPORT NAME: **TULSA INTL**	**TUL**	**VOR OR TACAN RWY 26, AMDT 24** 23 SEP 2010	SUP AMDT **23** DATE **04/10/2008**

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

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
EUGENE, OR	**ELEVATION: 374 TDZE: 363** AIRPORT NAME: **MAHLON SWEET FIELD**	**GPS**	**GPS RWY 16R, ORIG-C, 08/31/2006**	AMDT **ORIG - B**
				DATE 07/05/2006

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EUG VORTAC	MACTA/EUG VORTAC 5.79 DME	341.04 / 5.79	3000
CVO VOR/DME (IAF)	HOCUM INT/I-EUG 18.38 DME/RADAR (NOPT)	131.00 / 5.87	4000
HOCUM INT/I-EUG 18.38 DME/RADAR (IF)	MACTA/I-EUG 6.48 DME	163.37 / 11.90 (I-EUG)	2000

MISSED APPROACH

ILS: DA
LOC: I-EUG 1.56 DME FIX

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 230 AND EUG VORTAC R-205 TO VAUGN/EUG 14.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 4000 DIRECT CVO VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, LT, 024.50 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE CVO VOR/DME, RT, 334 INBOUND
CHART FAS OBST: 449 TREE 440845N/1231308W
CHART 539 AAO 441124N/1231240W.
CHART VDP AT 2.47 DME*; * LOC ONLY
DISTANCE VDP TO THLD 0.91 MILES.
CHART IN PLANVIEW: CVO VOR/DME.
CHART PLANVIEW NOTE: DME REQUIRED
CHART: MAXIMUM 6000 AT MACTA

1. PT R SIDE OF COURSE 343.37 OUTBOUND 2500 FT WITHIN 10 MILES OF MACTA (IAF)
2.
3. FAC: 163.37 FAF: MACTA/I-EUG 6.48 DME DIST FAF TO MAP: THLD: 4.92
4. MIN. ALT: MACTA 2000, WENIT/I-EUG 4.56 DME 1360*
5. DIST TO THLD FROM OM: - MM: - IM: 930 150 HAT: - 100 HAT: 983 GS ANT: 950
6. MIN GS INCPT: 2000 GS ALT AT: MACTA/I-EUG 6.48 DME OM: - MM: - IM: 459
7. GS ANGLE: 3.00 TCH: 51.5
8. MSA FROM: EUG VORTAC 190-280 4600, 280-190 5300

MAG VAR: 16E 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 16R	563	1800	200	563	1800	200	563	1800	200	563	1800	200			
S-LOC 16R	700	2400	337	700	2400	337	700	2400	337	700	4000	337			
CIRCLING	800	1	426	840	1	466	840	1 1/2	466	940	2	566			

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 16R: DA 463 MSL, 108 RA, RVR 1200, HAT 100; A, B, C, D.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 16R: CAT IIIA RVR 700; CATS A, B, C, D. CAT IIIB RVR 600; CATS A, B, C, D. CAT IIIC NA.
SEE 8260-10

@ NA WHEN CONTROL TOWER CLOSED.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 374 TDZE: 363	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS OR LOC/DME Z RWY 16R
EUGENE, OR	AIRPORT NAME: MAHLON SWEET FIELD	I-EUG	ILS OR LOC/DME RWY 16R, AMDT 36 ILS RWY 16R (CAT II) , ILS RWY 16R (CAT III) 23 SEP 2010	AMDT: 35 DATED 11/23/2006

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE S-LOC 16R CAT D VISIBILITY TO RVR 5000 FEET.
CHART NOTE: DME REQUIRED.
CHART NOTE: CAT II AND III MINIMUMS NA WHEN CONTROL TOWER CLOSED.
CHART PROFILE NOTE: USE I-EUG DME WHEN ON LOCALIZER COURSE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CORVALLIS VOR/DME AIRWAY RADIALS 081 CW 177.

CITY AND STATE	ELEVATION: 374 TDZE: 363	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: ILS OR LOC/DME Z RWY 16R
EUGENE, OR	AIRPORT NAME: MAHLON SWEET FIELD	I-EUG	ILS OR LOC/DME RWY 16R, AMDT 36 ILS RWY 16R (CAT II) , ILS RWY 16R (CAT III) 23 SEP 2010	AMDT: 35 DATED: 11/23/2006

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC: ____ FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT:
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

GRAPHIC b CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
EUGENE, OR	**ELEVATION: 374 TDZE: 363** AIRPORT NAME: **MAHLON SWEET FIELD**	**I-EUG**	**ILS OR LOC Y RWY 16R, ORIG, 11/23/2006**	AMDT: **NONE**
				DATED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CVO VOR/DME (IAF)	HOCUM (FB)	133.00 / 5.87	4000
SHEDD (IAF)	HOCUM (FB)	222.23 / 6.84	4000
HOCUM (IF)	MACTA (FB)	163.38 / 11.90	2000
MACTA (FAF)	WENIT/3.00 NM TO RW16R (FB)	163.37 / 1.92	
WENIT/3.00 NM TO RW16R	RW16R (MAP) (FO)	163.37 / 3.00	
RW16R (MAP)	563 MSL	163.37	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW16R

CLIMB TO 5000 DIRECT TIPIE AND ON TRACK 228.17 TO VAUGN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HOCUM
3. FAC: 163.37 FAF: MACTA DIST FAF TO MAP: 4.92 THLD: 4.92
4. MIN. ALT: HOCUM 2000, MACTA 2000, WENIT/3.00 NM TO RW16R 1360*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: MACTA 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 51.5 34:1 IS CLEAR
8. MSA FROM: RW16R 5300

ADDITIONAL FLIGHT DATA:
HOLD SW, LT, 028.50 INBOUND.
CHART FAS OBST: 449 TREE 440845N/1231308W
FAS OBST: 444 TREE 440900N/1231248W
DISTANCE TO THLD FROM 200 HAT: 0.47 NM.
CHART VDP AT 0.91 MILES TO RW16R*
*LNAV ONLY.
WAAS CHANNEL # 86518
REFERENCE PATH ID: W16B
LTP HAE: 86.7 M

MAG VAR: 16E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | LNAV: 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	563	1800	200	563	1800	200	563	1800	200	563	1800	200			
LNAV/VNAV DA	738	4000	375	738	4000	375	738	4000	375	738	4000	375			
LNAV MDA	700	2400	337	700	2400	337	700	2400	337	700	5000	337			
CIRCLING	800	1	426	840	1	466	840	1 1/2	466	940	2	566			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT D.
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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CORVALLIS AIRWAY RADIALS 154 CW 177.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SHEDD ON V23 NORTHBOUND.

CITY AND STATE	ELEVATION: 374 TDZE: 363	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
EUGENE, OR	AIRPORT NAME: MAHLON SWEET FIELD	RNAV	RNAV (GPS) RWY 16R, ORIG 23 SEP 2010	AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
563 MSL	TIPIE (FB)		
TIPIE	VAUGN (FO)	228.17 / 11.15	5000

CITY AND STATE	ELEVATION: 374 TDZE: 363	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EUGENE, OR	AIRPORT NAME: MAHLON SWEET FIELD	RNAV	RNAV (GPS) RWY 16R, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEUG
RUNWAY	RW16R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16B
LTP/FTP LATITUDE	440807.6110N
LTP/FTP LONGITUDE	1231308.9355W
LTP/FTP ELLIPSOIDAL HEIGHT	+00867
FPAP LATITUDE	440643.7900N
FPAP LONGITUDE	1231307.6600W
THRESHOLD CROSSING HEIGHT (TCH)	00051.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0144
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	2BE6A453

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+01098
FPAP ORTHOMETRIC HEIGHT	+01098

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ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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       SUSAD        CVO   K1011540VDHW N44295845W123173721    N44295845W123173721E0180002412     NARCORVALLIS                  I

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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       SUSAEAENRT   HOCUM K10    C     N44245662W123132420                    E0161     NAR           HOCUM                    I
       SUSAEAENRT   MACTA K10    C     N44130282W123131345                    E0161     NAR           MACTA                    I
       SUSAEAENRT   SHEDD K10    C   L N44283288W123051761                    E0161     NAR           SHEDD                    I
       SUSAEAENRT   TIPIE K10    W     N44020761W123130345                    E0160     NAR           TIPIE                    I
       SUSAEAENRT   VAUGN K10    C   L N43571522W123265726                    E0160     NAR           VAUGN                    I
       SUSAEAENRT   WENIT K10    C     N44110761W123131169                    E0160     NAR           WENIT                    I

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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       SUSAP KEUGK1AEUG     0     080YHN44072850W123124310E016000374         1800018000C    MNAR    MAHLON SWEET FIELD           I

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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       SUSAP KEUGK1FR16R  ACVO    010CVO  K1D 0V  A    IF                                                  18000                A JS   I
       SUSAP KEUGK1FR16R  ACVO    020HOCUMK1EA0EE B 010TF                    13300059    + 04000                                A JS   I
       SUSAP KEUGK1FR16R  ASHEDD  010SHEDDK1EA0E  A    IF                                                  18000                A JS   I
       SUSAP KEUGK1FR16R  ASHEDD  020HOCUMK1EA0EE B 010TF                    22220068    + 04000                                A JS   I
       SUSAP KEUGK1FR16R  R       010HOCUMK1EA0E  I    IF                                + 02000      18000                   A JS   I
       SUSAP KEUGK1FR16R  R       020MACTAK1EA1E  F 051TF                    16340119    + 02000                  RW16R K1PGA JS   I
       SUSAP KEUGK1FR16R  R       020MACTAK1EA2WALPV       ALNAV/VNAV ALNAV                                                     JS   I
       SUSAP KEUGK1FR16R  R       021WENITK1EA0E S  031TF                    16340019    V 0136001379        -300             A JS   I
       SUSAP KEUGK1FR16R  R       030RW16RK1PG0GY M 031TF                    16340030      00412             -300             A JS   I
       SUSAP KEUGK1FR16R  R       040          0  M  010CA                   1634        + 00563                                A JS   I
       SUSAP KEUGK1FR16R  R       050TIPIEK1EA0E     010DF                                                                     A JS   I
       SUSAP KEUGK1FR16R  R       060VAUGNK1EA0EY   010TF                    2282        + 05000                                A JS   I
       SUSAP KEUGK1FR16R  R       070VAUGNK1EA0EE  L020HM                    02850050    + 05000                                A JS   I
```

CITY AND STATE	ELEVATION: 374 TDZE: 363	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EUGENE, OR	AIRPORT NAME: MAHLON SWEET FIELD	RNAV	RNAV (GPS) RWY 16R, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEUGK1GRW16R   0080091634 N44080761W123130894+0100    +0086700360000052150I                                  I

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEUGK1PR16R  RW16R001 0000W16B0N44080760110W12313089355+008670300N4406437900W123130766001065001440005I5F4003502BE6A453I
          SUSAP KEUGK1PR16R  RW16R002E      +01098+01098LPV       86518                                                      I

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEUGK1SRW16RK1PG               0   18018005325                                                          M   I
```

CITY AND STATE	ELEVATION: 374 TDZE: 363	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EUGENE, OR	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 16R, ORIG	AMDT: NONE
	MAHLON SWEET FIELD		23 SEP 2010	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EUG VORTAC	UJOKU (FO)	162.82 / 17.53	4000
VAUGN	UJOKU (FO)	110.38 / 12.66	4200
CHEEZ	PEBIC (FB)	273.55 / 6.71	5400
PEBIC (IAF)	UJOKU (NOPT) (FB)	273.45 / 6.00	4000
CURTI (IAF)	UJOKU (NOPT) (FB)	322.57 / 8.84	4000
DRAIN (IAF)	UJOKU (NOPT) (FB)	004.13 / 10.94	4000
UJOKU (IF/IAF)	ICACA (FB)	343.37 / 6.88	2900
ICACA	EGVEH (FB)	343.37 / 5.00	2100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW34L

CLIMB TO 4000 DIRECT JILUM AND ON TRACK 253.39 TO WOLAV AND TRACK 164.40 TO VAUGN AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, LT, 028.50 INBOUND.
CHART FAS OBST: 473 TREE 440637N/1231346W
CHART FAS OBST: 494 ROD ON OL ATCT 440703N/1231246W
919 AAO 440220N/1231147W.
1319 AAO 440120N/1231132W.
DISTANCE TO THLD FROM 250 HAT: 0.62 NM.
CHART VDP AT 1.07 MILES TO RW34L* *LNAV ONLY.
WAAS CHANNEL # 45600
REFERENCE PATH ID: W34A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S UJOKU, RT, 343.37 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 343.37 FAF: EGVEH DIST FAF TO MAP: 5.20 THLD: 5.20
4. MIN. ALT: UJOKU 4000, ICACA 2900, EGVEH 2100, NEDIY/2.40 NM TO RW34L 1180*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2100 GS ALT AT: EGVEH 2100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 53.0 34:1 IS NOT CLEAR
8. MSA FROM: RW34L 5900

MAG VAR: 16E 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	617	4000	250	617	4000	250	617	4000	250	617	4000	250			
LNAV/VNAV DA	744	6000	377	744	6000	377	744	6000	377	744	6000	377			
LNAV MDA	760	4000	393	760	4000	393	760	4000	393	760	6000	393			
CIRCLING	800	1	426	840	1	466	840	1 1/2	466	940	2	566			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV.
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.

CITY AND STATE	ELEVATION: 374 TDZE: 367	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
EUGENE, OR	AIRPORT NAME: MAHLON SWEET FIELD	RNAV	RNAV (GPS) RWY 34L, AMDT 1 23 SEP 2010	AMDT: ORIG DATED 04/13/2006

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

CITY AND STATE	ELEVATION: 374 TDZE: 367 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EUGENE, OR	MAHLON SWEET FIELD	RNAV	RNAV (GPS) RWY 34L, AMDT 1 23 SEP 2010	AMDT: ORIG DATED: 04/13/2006

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEUG
RUNWAY	RW34L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	440648.5240N
LTP/FTP LONGITUDE	1231307.7400W
LTP/FTP ELLIPSOIDAL HEIGHT	+00883
FPAP LATITUDE	440817.6200N
FPAP LONGITUDE	1231309.1000W
THRESHOLD CROSSING HEIGHT (TCH)	00053.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	8D75EEAC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+01114
FPAP ORTHOMETRIC HEIGHT	+01114

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAD        EUG   K1011290VTHA N44071524W123132219    N44071524W123132219E0200003642     NAREUGENE

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   CHEEZ K10    C   L N43452971W122561954                    E0159     NAR          CHEEZ
       SUSAEAENRT   CURTI K10    C   L N43412998W123082451                    E0159     NAR          CURTI
       SUSAEAENRT   DRAIN K10    C   L N43392748W123180423                    E0160     NAR          DRAIN
       SUSAEAENRT   EGVEH K10    W     N44013623W123130298                    E0160     NAR          EGVEH
       SUSAEAENRT   ICACA K10    W     N43563652W123125843                    E0160     NAR          ICACA
       SUSAEAENRT   JILUM K10    W     N44112752W123131200                    E0161     NAR          JILUM
       SUSAEAENRT   NEDIY K10    W     N44042452W123130554                    E0161     NAR          NEDIY
       SUSAEAENRT   PEBIC K10    W     N43474408W123050322                    E0160     NAR          PEBIC
       SUSAEAENRT   UJOKU K10    W     N43494370W123125217                    E0160     NAR          UJOKU
       SUSAEAENRT   VAUGN K10    C   L N43571522W123265726                    E0161     NAR          VAUGN
       SUSAEAENRT   WOLAV K10    W     N44112045W123264919                    E0161     NAR          WOLAV

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KEUGK1AEUG     0     080YHN44072850W123124310E016000374         1800018000C    MNAR    MAHLON SWEET FIELD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KEUGK1FR34L  ACHEEZ 010CHEEZK1EA0E       IF                                          18000              A JS
       SUSAP KEUGK1FR34L  ACHEEZ 020PEBICK1EA0E  A 020TF                  27360067    + 05400                       A JS
       SUSAP KEUGK1FR34L  ACHEEZ 030UJOKUK1EA0EE B 010TF                  27350060    + 04000                       A JS
       SUSAP KEUGK1FR34L  ACURTI 010CURTIK1EA0E  A    IF                                          18000              A JS
       SUSAP KEUGK1FR34L  ACURTI 020UJOKUK1EA0EE B 010TF                  32260088    + 04000                       A JS
       SUSAP KEUGK1FR34L  ADRAIN 010DRAINK1EA0E  A    IF                                          18000              A JS
       SUSAP KEUGK1FR34L  ADRAIN 020UJOKUK1EA0EE B 010TF                  00410109    + 04000                       A JS
       SUSAP KEUGK1FR34L  AEUG   010EUG  K1D 0V       IF                                          18000              A JS
       SUSAP KEUGK1FR34L  AEUG   020UJOKUK1EA0EY   020TF                  16280175    + 04000                       A JS
       SUSAP KEUGK1FR34L  AEUG   030UJOKUK1EA0EE AR   HF                  34340040    + 04000                       A JS
       SUSAP KEUGK1FR34L  AVAUGN 010VAUGNK1EA0E       IF                                          18000              A JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 374 TDZE: 367	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EUGENE, OR	AIRPORT NAME: MAHLON SWEET FIELD	RNAV	RNAV (GPS) RWY 34L, AMDT 1 23 SEP 2010	AMDT: ORIG DATED: 04/13/2006

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KEUGK1FR34L  AVAUGN 020UJOKUK1EA0EY   020TF                    11040127    + 04200                          A JS
        SUSAP KEUGK1FR34L  AVAUGN 030UJOKUK1EA0EE AR   HF                    34340040    + 04000                          A JS
        SUSAP KEUGK1FR34L  R      010UJOKUK1EA0E  I    IF                               + 04000     18000                A JS
        SUSAP KEUGK1FR34L  R      011ICACAK1EA0E S  051TF                    34340069    + 02900                          A JS
        SUSAP KEUGK1FR34L  R      020EGVEHK1EA1E  F 051TF                    34340050    + 02100               RW34L K1PGA JS
        SUSAP KEUGK1FR34L  R      020EGVEHK1EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KEUGK1FR34L  R      021NEDIYK1EA0E S  031TF                    34340028    V 0118001188        -300         A JS
        SUSAP KEUGK1FR34L  R      030RW34LK1PG0GY M 031TF                    34340024      00419             -300         A JS
        SUSAP KEUGK1FR34L  R      040         0  M  010CA                    3434        + 00617                          A JS
        SUSAP KEUGK1FR34L  R      050JILUMK1EA0E    010DF                               +                                A JS
        SUSAP KEUGK1FR34L  R      060WOLAVK1EA0E    010TF                    2534                                         A JS
        SUSAP KEUGK1FR34L  R      070VAUGNK1EA0EY   010TF                    1644        + 04000                          A JS
        SUSAP KEUGK1FR34L  R      080VAUGNK1EA0EE  L020HM                    02850040    + 04000                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KEUGK1GRW34L   0080093434 N44064852W123130774-0100    +0088300366000053150R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KEUGK1PR34L  RW34L001 0000W34A0N4406485240W12313077400+00883030ON4408176200W123130910001067503120005 30F4005008D75EEAC
        SUSAP KEUGK1PR34L  RW34L002E      +01114+01114LPV       45600

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KEUGK1SRW34LK1PG               0   18018005925                                                              M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 374 TDZE: 367	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EUGENE, OR	AIRPORT NAME: MAHLON SWEET FIELD	RNAV	RNAV (GPS) RWY 34L, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 04/13/2006

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EUG VORTAC	NIBPI (FO)	160.48 / 17.37	4000
VAUGN	NIBPI (FO)	107.90 / 13.13	4200
CHEEZ	PEBIC (FB)	273.55 / 6.71	5400
PEBIC (IAF)	NIBPI (NOPT) (FB)	277.75 / 5.41	4000
CURTI (IAF)	NIBPI (NOPT) (FB)	327.29 / 8.78	4000
DRAIN (IAF)	NIBPI (NOPT) (FB)	007.15 / 11.37	4000
NIBPI (IF/IAF)	SEYOK (FB)	343.38 / 6.88	2900
SEYOK	WUDGA (FB)	343.39 / 5.01	2100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW34R

CLIMB TO 3000 DIRECT KIBKE AND ON TRACK 005.73 TO ALFOR AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, LT, 179.19 INBOUND.
CHART FAS OBST: 470 TREE 440649N/1231153W
CHART FAS OBST: 494 ATCT 440703N/1231246W
DISTANCE TO THLD FROM 284 HAT: 0.74 NM.
CHART VDP AT 1.06 MILES TO RW34R* *LNAV ONLY.
WAAS CHANNEL # 81900
REFERENCE PATH ID: W34B
1119 AAO 440150N/1231227W

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S NIBPI, RT, 343.39 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 343.39 FAF: WUDGA DIST FAF TO MAP: 5.19 THLD: 5.19
4. MIN. ALT: NIBPI 4000, SEYOK 2900, WUDGA 2100, JUGIX/2.30 NM TO RW34R 1160*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2100 GS ALT AT: WUDGA 2100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR
8. MSA FROM: RW34R 5900

MAG VAR: 16E 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	658	1	284	658	1	284	658	1	284	658	1	284			
LNAV/VNAV DA	796	1 1/2	422	796	1 1/2	422	796	1 1/2	422	796	1 1/2	422			
LNAV MDA	760	1	386	760	1	386	760	1	386	760	1 1/4	386			
CIRCLING	800	1	426	840	1	466	840	1 1/2	466	940	2	566			

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.
*LNAV ONLY

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
EUGENE, OR	ELEVATION: 374 TDZE: 374 AIRPORT NAME: MAHLON SWEET FIELD	RNAV	RNAV (GPS) RWY 34R, AMDT 1 23 SEP 2010	AMDT: ORIG-A 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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEUG
RUNWAY	RW34R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34B
LTP/FTP LATITUDE	440659.4590N
LTP/FTP LONGITUDE	1231208.9490W
LTP/FTP ELLIPSOIDAL HEIGHT	+00908
FPAP LATITUDE	440828.5600N
FPAP LONGITUDE	1231210.2700W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	BC5841E9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+01139
FPAP ORTHOMETRIC HEIGHT	+01139

QUALITY CHECKED

CITY AND STATE	ELEVATION: 374 TDZE: 374	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EUGENE, OR	AIRPORT NAME: MAHLON SWEET FIELD	RNAV	RNAV (GPS) RWY 34R, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        EUG    K1011290VTHA N44071524W123132219     N44071524W123132219E0200003642      NAREUGENE

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   ALFOR K10    C    L N44182973W123090718                E0161     NAR           ALFOR
          SUSAEAENRT   CHEEZ K10    C    L N43452971W122561954                E0159     NAR           CHEEZ
          SUSAEAENRT   CURTI K10    C    L N43412998W123082451                E0159     NAR           CURTI
          SUSAEAENRT   DRAIN K10    C    L N43392748W123180423                E0159     NAR           DRAIN
          SUSAEAENRT   JUGIX K10    W      N44044146W123120691                E0160     NAR           JUGIX
          SUSAEAENRT   KIBKE K10    W      N44125299W123121407                E0161     NAR           KIBKE
          SUSAEAENRT   NIBPI K10    W      N43495466W123115376                E0160     NAR           NIBPI
          SUSAEAENRT   PEBIC K10    W      N43474408W123050322                E0159     NAR           PEBIC
          SUSAEAENRT   SEYOK K10    W      N43564748W123115993                E0160     NAR           SEYOK
          SUSAEAENRT   VAUGN K10    C    L N43571522W123265726                E0161     NAR           VAUGN
          SUSAEAENRT   WUDGA K10    W      N44014810W123120436                E0160     NAR           WUDGA

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEUGK1AEUG      0      080YHN44072850W123124310E016000374          1800018000C     MNAR     MAHLON SWEET FIELD

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KEUGK1FR34R  ACHEEZ 010CHEEZK1EA0E       IF                                          18000                A JS
          SUSAP KEUGK1FR34R  ACHEEZ 020PEBICK1EA0E  A 020TF                  27360067    + 05400                         A JS
          SUSAP KEUGK1FR34R  ACHEEZ 030NIBPIK1EA0EE B 010TF                  27780054    + 04000                         A JS
          SUSAP KEUGK1FR34R  ACURTI 010CURTIK1EA0E  A    IF                                          18000                A JS
          SUSAP KEUGK1FR34R  ACURTI 020NIBPIK1EA0EE B 010TF                  32730088    + 04000                         A JS
          SUSAP KEUGK1FR34R  ADRAIN 010DRAINK1EA0E  A    IF                                          18000                A JS
          SUSAP KEUGK1FR34R  ADRAIN 020NIBPIK1EA0EE B 010TF                  00720114    + 04000                         A JS
          SUSAP KEUGK1FR34R  AEUG   010EUG  K1D 0V       IF                                          18000                A JS
          SUSAP KEUGK1FR34R  AEUG   020NIBPIK1EA0EY   020TF                  16050174    + 04000                         A JS
          SUSAP KEUGK1FR34R  AEUG   030NIBPIK1EA0EE AR   HF                  34340040    + 04000                         A JS
          SUSAP KEUGK1FR34R  AVAUGN 010VAUGNK1EA0E       IF                                          18000                A JS
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CITY AND STATE	ELEVATION: 374 TDZE: 374	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EUGENE, OR	AIRPORT NAME: MAHLON SWEET FIELD	RNAV	RNAV (GPS) RWY 34R, AMDT 1 23 SEP 2010	AMDT: ORIG-A 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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

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          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KEUGK1FR34R  AVAUGN 020NIBPIK1EA0EY   020TF                  10790131    + 04200                        A JS
        SUSAP KEUGK1FR34R  AVAUGN 030NIBPIK1EA0EE AR   HF                  34340040    + 04000                        A JS
        SUSAP KEUGK1FR34R  R      010NIBPIK1EA0E  I    IF                              + 04000     18000              A JS
        SUSAP KEUGK1FR34R  R      011SEYOKK1EA0E S  051TF                  34340069    + 02900                        A JS
        SUSAP KEUGK1FR34R  R      020WUDGAK1EA1E  F 051TF                  34340050    + 02100              RW34R K1PGA JS
        SUSAP KEUGK1FR34R  R      020WUDGAK1EA2WALPV       ALNAV/VNAV ALNAV                                           JS
        SUSAP KEUGK1FR34R  R      021JUGIXK1EA0E S  031TF                  34340029    V 0116001161       -300        A JS
        SUSAP KEUGK1FR34R  R      030RW34RK1PG0GY M 031TF                  34340023      00424            -300        A JS
        SUSAP KEUGK1FR34R  R      040         0  M  010CA                  3434        + 00658                        A JS
        SUSAP KEUGK1FR34R  R      050KIBKEK1EA0E    010DF                                                            A JS
        SUSAP KEUGK1FR34R  R      060ALFORK1EA0EY   010TF                  0057        + 03000                        A JS
        SUSAP KEUGK1FR34R  R      070ALFORK1EA0EE  L020HM                  17920040    + 03000                        A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KEUGK1GRW34R   0060003434 N44065946W123120895-0200    +0090800374000050150R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KEUGK1PR34R  RW34R001 0000W34B0N4406594590W12312089490+009080300N4408285600W123121027001067509200005O0F400500BC5841E9
        SUSAP KEUGK1PR34R  RW34R002E      +01139+01139LPV       81900

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KEUGK1SRW34RK1PG              0   18018005925                                                          M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 374 TDZE: 374	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
EUGENE, OR	AIRPORT NAME: **MAHLON SWEET FIELD**	**RNAV**	**RNAV (GPS) RWY 34R, AMDT 1** 23 SEP 2010	AMDT: **ORIG-A**
				DATED: **08/27/2009**

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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 16L, 16R, 34L, 34R: STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 16L: CLIMB HEADING 163.39 TO 1000 THEN CLIMBING RIGHT TURN...

RWY 16R: CLIMB HEADING 163.37 TO 1000 THEN CLIMBING RIGHT TURN...

RWY 34L: CLIMB HEADING 343.37 TO 1000 THEN CLIMBING LEFT TURN...

RWY 34R: CLIMB HEADING 343.39 TO 1000 THEN CLIMBING LEFT TURN...

...ALL AIRCRAFT CLIMB DIRECT EUG VORTAC, THEN CLIMB IN HOLD IN EUG VORTAC HOLDING PATTERN (HOLD N, RT, 175.00 INBOUND) TO CROSS EUG VORTAC AT OR ABOVE MEA BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16L MULTIPLE POWER POLES BEGINNING 1036' FROM DER, 74' RIGHT OF CENTERLINE, UP TO 35' AGL/408' MSL. MULTIPLE POWER POLES BEGINNING 1017' FROM DER, 211' LEFT OF CENTERLINE, UP TO 31' AGL/404' MSL. NOTE: RWY 16R TREE 1991' FROM DER, 83' LEFT OF CENTERLINE, 54' AGL/419' MSL. NUMEROUS TREES BEGINNING 1504' FROM DER, 489' RIGHT OF CENTERLINE, UP TO 43' AGL/408' MSL. NOTE: RWY 34L TREE 1597' FROM DER, 842' LEFT OF CENTERLINE, 50' AGL/404' MSL. NOTE: RWY 34R TREE 2897' FROM DER, 606' RIGHT OF CENTERLINE, 77' AGL/440' MSL. TREE 2535' FROM DER, 643' LEFT OF CENTERLINE, 65' AGL/428' MSL.

(4) CONTROLLING OBSTACLES:

RWY 16L/16R: 3325 MSL TOWER 441146.00N/1225916.00W.

RWY 34L/34R: 3325 MSL TOWER 441146.00N/1225916.00W.

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
EUGENE, OR	MAHLON SWEET FIELD	23 SEP 2010	7

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP: EUG VORTAC

CLIMBING RIGHT TURN TO 4000 ON EUG R-204, THEN DIRECT EUG VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 024.00 INBOUND.
CHART FAS OBST: 560 TOWER 441236N/1231056W
FAC CROSSES RWY 16R C/L 1458 FEET FROM THLD.

1. PT L SIDE OF COURSE 348.00 OUTBOUND 2700 FT WITHIN 10 MILES OF EUG VORTAC (IAF)
2.
3. FAC 168.00 FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: EUG VORTAC 190-280 4600, 280-190 5300

MAG VAR: 20E EPOCH YEAR: 1980

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	1200	1	826	1200	1 1/4	826	1200	2 1/2	826	1200	2 3/4	826			

NOTES:

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

QUALITY CHECKED

CITY AND STATE	ELEVATION: 374 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
EUGENE, OR	MAHLON SWEET FIELD	EUG	VOR-A, AMDT 7 23 SEP 2010	SUP VOR OR GPS-A AMDT 6B DATE 05/10/2007

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

TACAN OR 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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EUG VORTAC	WEBST/4.30 DME	347.99 / 4.30	3200
MOHWK/EUG 12.00 DME CCW (IAF)	MALBN/12.00 DME (NOPT)	12.00 DME ARC	5000
MALBN/EUG 12.00 DME CCW	WEKOS/12.00 DME	12.00 DME ARC	3000
WEKOS/EUG 12.00 DME (IF)	WEBST/4.30 DME	167.99 / 7.70 (EUG R-348)	1500

MISSED APPROACH

MAP: EUG 0.90 DME FIX

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 4400 ON EUG VORTAC R-205 TO VAUGN/EUG 14.00 DME AND HOLD. CONTINUE CLIMB IN HOLD TO 4400.

ADDITIONAL FLIGHT DATA:

HOLD SW, LT, 024.50 INBOUND.
CHART FAS OBST: 459 TREE 440850N/1231147W
539 AAO 441119N/1231156W
CHART VDP AT 1.86 DME;
DISTANCE VDP TO THLD 0.97 MILES.
CHART EUG R-064 AT MOHWK.
CHART EUG R-012 AT MALBN.
WEBST TO RW16R: 3.01/50.
FAC CROSSES RWY C/L EXTENDED 1433 FROM THLD.

1. PT L SIDE OF COURSE 347.99 OUTBOUND 2800 FT WITHIN 10 MILES OF WEBST (IAF)
2.
3. FAC 167.99 FAF WEBST/4.30 DME DIST FAF TO MAP THLD 3.41
4. MIN. ALT WEBST 1500
8. MSA FROM: EUG VORTAC 190-280 4600, 280-190 5300

MAG VAR: 20E 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		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-16R	720	2400	357	720	2400	357	720	2400	357	720	5000	357			
CIRCLING	800	1	426	840	1	466	840	1 1/2	466	940	2	566			

NOTES:

CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE S-16R CAT D VISIBILITY TO RVR 6000.

CITY AND STATE	ELEVATION: 374 TDZE: 363 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
EUGENE, OR	MAHLON SWEET FIELD	EUG	VOR/DME OR TACAN RWY 16R, AMDT 5 23 SEP 2010	AMDT 4C DATE 09/01/2005

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JUXIB/EUG 14.00 DME CW (IAF)	HUBSU/EUG 14.00 DME	14.00 DME ARC	3700
VAUGN/EUG 14.00 DME CCW (IAF)	HUBSU/EUG 14.00 DME	14.00 DME ARC	3700
SAGIN/EUG 16.00 DME (IAF)	HUBSU/EUG 14.00 DME	332.04 / 2.00 (EUG R-152)	3700
HUBSU/EUG 14.00 DME (IF)	ERVIJ/EUG 9.00 DME	332.04 / 5.00 (EUG R-152)	2500
ERVIJ/EUG 9.00 DME	DUKKS/EUG 5.00 DME	332.04 / 4.00 (EUG R-152)	2100

MISSED APPROACH

MAP: MAFEZ/EUG 1.00 DME

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 4100 ON EUG VORTAC R-205 TO VAUGN/EUG 14.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4100.

ADDITIONAL FLIGHT DATA:

HOLD SW, LT, 024.50 INBOUND.
CHART FAS OBST: 490 TREE 440622N/1231423W
1119 AAO 440149N/1231228W
699 TREE 440429N/1231424W
CHART VDP AT 1.53 DME;
DISTANCE VDP TO THLD 1.07 MILES.
*LOC ONLY.
CHART EUG R-205 AT VAUGN.
CHART EUG R-130 AT JUXIB.
DUKKS TO RW34: 3.49/54.
FAC 286L OF RWY C/L EXTENDED 3000 FROM THLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HUBSU/EUG 14.00 DME
3. FAC 332.04 FAF DUKKS/EUG 5.00 DME DIST FAF TO MAP ____ THLD 4.53
4. MIN. ALT HUBSU 3700, ERVIJ 2500, DUKKS 2100, KOAAR/EUG 2.20 DME 1040
8. MSA FROM: EUG VORTAC 190-280 4600, 280-190 5300

MAG VAR: 20E EPOCH YEAR:1980

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-34L	760	4000	393	760	4000	393	760	4000	393	760	6000	393			
CIRCLING	800	1	426	840	1	466	840	1 1/2	466	940	2	566			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 374 TDZE: 367	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
EUGENE, OR	AIRPORT NAME: MAHLON SWEET FIELD	EUG	VOR/DME OR TACAN RWY 34L, AMDT 5	AMDT 4D
			23 SEP 2010	DATE 11/23/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LMT VORTAC (IAF)	NECIE/20.00 DME	301.00 / 20.00	11300
LEIFF/20.00 DME CW (IAF)	NECIE/20.00 DME	20.00 DME ARC	11300
NECIE/20.00 DME CW	MUPEE/20.00 DME	20.00 DME ARC	9500
MIXUP INT/20.00 DME (IAF)	MUPEE/20.00 DME	134.24 / 5.00 (LMT R-314)	9500
MUPEE/20.00 DME (IF)	KOTTA/13.41 DME	134.41 / 6.59 (LMT R-314)	7800
KOTTA/13.41 DME	EYOWO/8.55 DME	134.41 / 4.86 (LMT R-314)	6800

MISSED APPROACH

MAP: MAFEG/ 1.50 DME

CLIMB TO 5000 THEN CLIMBING RIGHT TURN TO 9400 VIA HEADING 180.00 AND LMT VORTAC R-164 TO MUREX/LMT 17.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9400, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 5000 VIA HEADING 134 FOR RADAR VECTORS (RADAR REQUIRED).

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 344.00 INBOUND.
CHART FAS OBST: 4420 TWR 421137N/1214623W
CHART: 4732 TOWER 421256N/1214757W
CHART VDP AT 3.44 DME;
DISTANCE VDP TO THLD 2.32 MILES.
CHART LMT R-301 AT NECIE.
CHART LMT R-265 AT LEIFF.
EYOWO TO RW14: 3.37/50.
CHART ASR/PAR
FAC CROSSES RWY C/L EXTENDED 2247 FROM THLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT MUPEE/20.00 DME
3. FAC 134.41 FAF EYOWO/8.55 DME DIST FAF TO MAP ____ THLD 7.43
4. MIN. ALT MUPEE 9500, KOTTA 7800, EYOWO 6800, ZAPUL/5.50 DME 5700, CLEET/4.40 DME 5300
8. MSA FROM: LMT VORTAC 360-090 8500, 090-180 7800, 180-360 9500

MAG VAR: 17E EPOCH YEAR:1990

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-14	4860	3/4	769	4860	1 1/4	769	4860	2 1/4	769	4860	2 1/2	769	4860	2 3/4	769
CIRCLING	4880	1	785	4980	1 1/4	885	4980	2 3/4	885	5060	3	965	5700	3	1605

NOTES:

CHART NOTE: CIRCLING NA FOR CAT E NE OF RWY 14-32.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO CATS B AND C.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LMT VORTAC VIA AIRWAY RADIALS 314 CW 351.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

@ CAT B 900-2, CAT C 900-2 3/4, CAT D 1000-3, CAT E 1700-3

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 4095 TDZE: 4091 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
KLAMATH FALLS, OR	KLAMATH FALLS	LMT	VOR/DME OR TACAN RWY 14, AMDT 5A 23 SEP 2010	AMDT 5 DATE 07/29/2010

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
SLT VORTAC	IXUTE/BFD 12.80 DME	298.95 / 21.34	4200
IXUTE/BFD 12.80 DME (IAF)	FEGLI/BFD 7.80 DME (NOPT)	324.87 / 5.00 (I-BFD)	4000
FEGLI/BFD 7.80 DME (IF)	BRAFO OM/BFD 2.80 DME	324.87 / 5.00 (I-BFD)	3500

MISSED APPROACH

ILS: DA
LOC: 3.67 MILES AFTER BRAFO OM/BFD 2.80 DME

CLIMB TO 4000 THEN RIGHT TURN DIRECT BFD VOR/DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 4100 THEN RIGHT TURN DIRECT SLT VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 326.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW SLT VORTAC, RT, 044.63 INBOUND
CHART FAS OBST: 2198 TREE 414727N/0783741W
CHART IN PLANVIEW: SLT VORTAC.

1. PT L SIDE OF COURSE 144.87 OUTBOUND 4000 FT WITHIN 10 MILES OF BFD VOR/DME (IAF)
2.
3. FAC: 324.87 FAF: BRAFO OM/BFD 2.80 DME DIST FAF TO MAP: 3.67 THLD: 3.67
4. MIN. ALT: BRAFO OM 3500
5. DIST TO THLD FROM OM: 3.67 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 850
6. MIN GS INCPT: 3500 GS ALT AT: GS INTCP 3500 OM: 3333 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 52.3
8. MSA FROM: BFD VOR/DME 3800

MAG VAR: 11W 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 32	2320	1/2	200	2320	1/2	200	2320	1/2	200	2320	1/2	200			
S-LOC 32	2460	1/2	340	2460	1/2	340	2460	1/2	340	2460	3/4	340			
CIRCLING	2620	1	477	2620	1	477	2620	1 1/2	477	2700	2	557			

NOTES:
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 32 CAT D VISIBILITY TO 1 MILE.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST MARYS ALTIMETER SETTING AND INCREASE S-ILS 32 DA TO 2405 AND ALL MDA 100 FEET; INCREASE S-LOC 32 CAT C VISIBILITY TO 3/4 MILE.
SEE 8260-10

@ NA WHEN CONTROL TOWER CLOSED.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 2143 TDZE: 2120	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS RWY 32
BRADFORD, PA	AIRPORT NAME: BRADFORD RGNL	I-BFD	ILS OR LOC RWY 32, AMDT 12 23 SEP 2010	AMDT: 11A
				DATED 08/02/2007

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.

NOTES CONT.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ST MARYS ALTIMETER SETTING, INCREASE S-ILS 32 VISIBILITY 1/2 MILE.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
BRADFORD, PA	ELEVATION: 2143 TDZE: 2120 AIRPORT NAME: BRADFORD RGNL	I-BFD	ILS OR LOC RWY 32, AMDT 12 23 SEP 2010	SUP: ILS RWY 32 AMDT: 11A DATED: 08/02/2007

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MOGUE (IAF)	KONBE (NOPT) (FB)	234.79 / 5.00	4500
ROSLE (IAF)	KONBE (NOPT) (FB)	054.69 / 5.00	4500
KONBE (IF/IAF)	GERVE (FB)	144.74 / 6.10	3700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW14

CLIMB TO 4500 DIRECT NIMEE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 325.00 INBOUND.
CHART FAS OBST: 2305 TREE 414933N/0784027W
DISTANCE TO THLD FROM 250 HAT: 0.64 NM.
CHART VDP AT 1.28 MILES TO RW14* *LNAV ONLY.
WAAS CHANNEL # 72919
REFERENCE PATH ID: W14A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW KONBE, RT, 144.74 INBOUND, 4500 FT. IN LIEU OF PT (IAF)
3. FAC: 144.81 FAF: GERVE DIST FAF TO MAP: 4.76 THLD: 4.76
4. MIN. ALT: KONBE 4500, GERVE 3700, LEPNE/3.70 NM TO RW14 3340*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3700 GS ALT AT: GERVE 3700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 11W 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	2368	3/4	250	2368	3/4	250	2368	3/4	250	2368	3/4	250			
LNAV/VNAV DA	2490	1 1/4	372	2490	1 1/4	372	2490	1 1/4	372	2490	1 1/4	372			
LNAV MDA	2560	1	442	2560	1	442	2560	1 1/4	442	2560	1 1/2	442			
CIRCLING	2620	1	477	2620	1	477	2620	1 1/2	477	2700	2	557			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (2F) OR ABOVE 44C (111F).
@ 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: 2143 TDZE: 2118	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Y RWY 14
BRADFORD, PA	AIRPORT NAME: BRADFORD RGNL	RNAV	RNAV (GPS) RWY 14, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED 05/15/2003

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: VGSI AND RNAV DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ST MARYS ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST MARYS ALTIMETER SETTING AND INCREASE LPV DA TO 2453, LNAV/VNAV DA TO 2575 AND ALL MDA 100 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS AND LNAV CAT C AND D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	055/30 CW 235/30 (NOPT)	KONBE (IF/IAF) (FB)	4500
2.	235/30 CW 325/30	MOGUE (IAF) (FB)	4500
3.	325/30 CW 055/30	ROSLE (IAF) (FB)	4500

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBFD
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	414833.5300N
LTP/FTP LONGITUDE	0783855.7000W
LTP/FTP ELLIPSOIDAL HEIGHT	+06108
FPAP LATITUDE	414731.7600N
FPAP LONGITUDE	0783729.8100W
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	0824
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	AE0E7040

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+06427
FPAP ORTHOMETRIC HEIGHT	+06427

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   GERVE K60    W     N41515148W078433140                    W0105     NAR           GERVE
        SUSAEAENRT   KONBE K60    W     N41560474W078492519                    W0104     NAR           KONBE
        SUSAEAENRT   LEPNE K60    W     N41510737W078422989                    W0105     NAR           LEPNE
        SUSAEAENRT   MOGUE K60    W     N41594149W078444702                    W0105     NAR           MOGUE
        SUSAEAENRT   NIMEE K60    W     N41393847W078263412                    W0106     NAR           NIMEE
        SUSAEAENRT   ROSLE K60    W     N41522781W078540283                    W0103     NAR           ROSLE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBFDK6ABFD     0     063YHN41481104W078382444W011002143          1800018000C    MNAR    BRADFORD RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBFDK6FR14   AKONBE 010KONBEK6EA0EE AR   HF                    14470050    + 04500     18000                A JS
        SUSAP KBFDK6FR14   AMOGUE 010MOGUEK6EA0E  A    IF                                        18000                A JS
        SUSAP KBFDK6FR14   AMOGUE 020KONBEK6EA0EE B 010TF                     23480050    + 04500                          A JS
        SUSAP KBFDK6FR14   AROSLE 010ROSLEK6EA0E  A    IF                                        18000                A JS
        SUSAP KBFDK6FR14   AROSLE 020KONBEK6EA0EE B 010TF                     05470050    + 04500                          A JS
        SUSAP KBFDK6FR14   R      010KONBEK6EA0E  I    IF                               + 04500     18000                A JS
        SUSAP KBFDK6FR14   R      020GERVEK6EA1E  F 051TF                     14470061    + 03700                          A JS
        SUSAP KBFDK6FR14   R      020GERVEK6EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KBFDK6FR14   R      021LEPNEK6EA0E S  031TF                     14480011    V 0334003355        -300         A JS
        SUSAP KBFDK6FR14   R      030RW14 K6PG0GY M 031TF                     14480037      02164             -300         A JS
        SUSAP KBFDK6FR14   R      040         0  M  010CA                     1448        + 02368                          A JS
        SUSAP KBFDK6FR14   R      050NIMEEK6EA0EY   010DF                              + 04500                          A JS
        SUSAP KBFDK6FR14   R      060NIMEEK6EA0EE  R020HM                     32500050    + 04500                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBFDK6GRW14    0063091449 N41483353W078385570-0100    +0610802109000055150R
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CITY AND STATE	ELEVATION: 2143 TDZE: 2118	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Y RWY 14
BRADFORD, PA	AIRPORT NAME: BRADFORD RGNL	RNAV	RNAV (GPS) RWY 14, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 05/15/2003

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBFDK6PR14    RW14 001 0000W14A0N4148335300W07838557000+061080300N4147317600W078372981001067508240005 50F400500AE0E7040
        SUSAP KBFDK6PR14    RW14 002E      +06427+06427LPV       72919
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CITY AND STATE	ELEVATION: 2143 TDZE: 2118	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Y RWY 14
BRADFORD, PA	AIRPORT NAME: BRADFORD RGNL	RNAV	RNAV (GPS) RWY 14, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 05/15/2003

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
OSMOE (IAF)	NIMEE (NOPT) (FB)	235.05 / 5.00	4500
ZUTER (IAF)	NIMEE (NOPT) (FB)	054.95 / 5.00	4500
NIMEE (IF/IAF)	JARVO (FB)	325.00 / 6.10	4000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

CLIMB TO 4500 DIRECT KONBE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 144.74 INBOUND.
CHART FAS OBST: 2204 TREE 414735N/0783753W
CHART FAS OBST: 2242 ROD ON OL APBN 414752N/0783825W
DISTANCE TO THLD FROM 200 HAT: 0.53 NM.
CHART VDP AT 1.09 MILES TO RW32* *LNAV ONLY.
WAAS CHANNEL # 87019
REFERENCE PATH ID: W32A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE NIMEE, RT, 325.00 INBOUND, 4500 FT. IN LIEU OF PT (IAF)
3. FAC: 324.93 FAF: JARVO DIST FAF TO MAP: 5.71 THLD: 5.71
4. MIN. ALT: NIMEE 4500, JARVO 4000, NEPGE/2.50 NM TO RW32 2900*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4000 GS ALT AT: JARVO 4000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.3 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 11W 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	2320	1/2	200	2320	1/2	200	2320	1/2	200	2320	1/2	200			
LNAV/VNAV DA	2580	1 1/4	460	2580	1 1/4	460	2580	1 1/4	460	2580	1 1/4	460			
LNAV MDA	2500	1/2	380	2500	1/2	380	2500	1/2	380	2500	1	380			
CIRCLING	2620	1	477	2620	1	477	2620	1 1/2	477	2700	2	557			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING ST MARYS ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 44C (111F).
CHART NOTE: DME/DME RNP-0.3 NA.
SEE 8260-10
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	AIRPORT	FACILITY IDENTIFIER	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
BRADFORD, PA	ELEVATION: 2143 TDZE: 2120 AIRPORT NAME: BRADFORD RGNL	RNAV	RNAV (GPS) RWY 32, AMDT 1 23 SEP 2010	SUP: AMDT: ORIG-A DATED 05/15/2003

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
***LNAV ONLY**
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST MARYS ALTIMETER SETTING AND INCREASE LPV DA TO 2405, LNAV/VNAV DA TO 2665, AND ALL MDA 100 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY TO 1 1/4.

TAA

	FROM	TO	ALT
1.	235/30 CW 055/30 (NOPT)	NIMEE (IF/IAF) (FB)	4500
2.	055/30 CW 145/30	ZUTER (IAF) (FB)	4500
3.	145/30 CW 235/30	OSMOE (IAF) (FB)	4500

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBFD
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	414750.3400N
LTP/FTP LONGITUDE	0783755.6500W
LTP/FTP ELLIPSOIDAL HEIGHT	+06082
FPAP LATITUDE	414833.5300N
FPAP LONGITUDE	0783855.7000W
THRESHOLD CROSSING HEIGHT (TCH)	00052.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	B2DDA7C7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+06400
FPAP ORTHOMETRIC HEIGHT	+06400

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   JARVO K60    W     N41435259W078322567                    W0106     NAR          JARVO
        SUSAEAENRT   KONBE K60    W     N41560474W078492519                    W0104     NAR          KONBE
        SUSAEAENRT   NEPGE K60    W     N41460631W078353114                    W0105     NAR          NEPGE
        SUSAEAENRT   NIMEE K60    W     N41393847W078263412                    W0106     NAR          NIMEE
        SUSAEAENRT   OSMOE K60    W     N41431428W078215583                    W0107     NAR          OSMOE
        SUSAEAENRT   ZUTER K60    W     N41360247W078311189                    W0105     NAR          ZUTER

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBFDK6ABFD     0     063YHN41481104W078382444W011002143          1800018000C    MNAR    BRADFORD RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBFDK6FR32   ANIMEE 010NIMEEK6EA0EE AR   HF                    32500050    + 04500     18000                A JS
        SUSAP KBFDK6FR32   AOSMOE 010OSMOEK6EA0E  A    IF                                        18000                A JS
        SUSAP KBFDK6FR32   AOSMOE 020NIMEEK6EA0EE B 010TF                    23510050    + 04500                          A JS
        SUSAP KBFDK6FR32   AZUTER 010ZUTERK6EA0E  A    IF                                        18000                A JS
        SUSAP KBFDK6FR32   AZUTER 020NIMEEK6EA0EE B 010TF                    05500050    + 04500                          A JS
        SUSAP KBFDK6FR32   R      010NIMEEK6EA0E  I    IF                              + 04500     18000                A JS
        SUSAP KBFDK6FR32   R      020JARVOK6EA1E  F 051TF                    32500061    + 04000                          A JS
        SUSAP KBFDK6FR32   R      020JARVOK6EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KBFDK6FR32   R      021NEPGEK6EA0E S  031TF                    32490032    V 0290002954        -300         A JS
        SUSAP KBFDK6FR32   R      030RW32 K6PG0GY M 031TF                    32490025      02152             -300         A JS
        SUSAP KBFDK6FR32   R      040         0  M  010CA                    3249        + 02320                          A JS
        SUSAP KBFDK6FR32   R      050KONBEK6EA0EY   010DF                              + 04500                          A JS
        SUSAP KBFDK6FR32   R      060KONBEK6EA0EE  R020HM                    14470050    + 04500                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBFDK6GRW32    0063093249 N41475034W078375565+0100    +06082021000000052150I
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CITY AND STATE	ELEVATION: 2143 TDZE: 2120	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BRADFORD, PA	AIRPORT NAME: BRADFORD RGNL	RNAV	RNAV (GPS) RWY 32, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				DATED: 05/15/2003

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBFDK6PR32    RW32 001 0000W32A0N4147503400W07837556500+060820300N41483353 00W078385570001067500000000523F400350B2DDA7C7
        SUSAP KBFDK6PR32    RW32 002E       +06400+06400LPV       87019
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CITY AND STATE	ELEVATION: 2143 TDZE: 2120	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BRADFORD, PA	AIRPORT NAME: BRADFORD RGNL	RNAV	RNAV (GPS) RWY 32, AMDT 1 23 SEP 2010	AMDT: ORIG-A
				DATED: 05/15/2003

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2.
3. FAC: ____ FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT:
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT:
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: ____
8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

CITY AND STATE	ELEVATION: 2143 TDZE: 2118	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BRADFORD, PA	AIRPORT NAME: BRADFORD REGIONAL	RNAV	RNAV (GPS) Z RWY 14, ORIG-A, 09/08/2003	AMDT: ORIG
				DATED: 5/15/2003

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP: BFD VOR/DME

CLIMB TO 3900 THEN CLIMBING LEFT TURN TO 4000 DIRECT BFD VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 324.22 INBOUND.
CHART FAS OBST: 2582 TOWER 415300N/0784145W
CHART VDP AT 4.38 DME;
DISTANCE VDP TO THLD 2.48 MILES.
FAC CROSSES RWY C/L EXTENDED 3763 FROM THLD.

1. PT **L** SIDE OF COURSE **324.22** OUTBOUND **4000** FT WITHIN **10** MILES OF **BFD VOR/DME** (IAF)
2.
3. FAC **144.22** FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: **BFD VOR/DME 3800**

MAG VAR: **7W** EPOCH YEAR: **1965**

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
S-14	**2940**	**1**	**822**	**2940**	**1 1/4**	**822**	**2940**	**2 1/2**	**822**	**2940**	**2 3/4**	**822**			
CIRCLING	**2940**	**1**	**797**	**2940**	**1 1/4**	**797**	**2940**	**2 1/2**	**797**	**2940**	**2 3/4**	**797**			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST MARYS ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND INCREASE S-14 AND CIRCLING CATS A, C, AND D VISIBILITIES 1/4 MILE.

@ CAT C 800-2 1/2, CAT D 800-2 3/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP	
BRADFORD, PA	**ELEVATION: 2143 TDZE: 2118** AIRPORT NAME: **BRADFORD RGNL**	**BFD**	**VOR RWY 14, AMDT 1** 23 SEP 2010	AMDT	**ORIG**
				DATE	**05/10/2007**

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

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BFD VOR/DME	DUMKE/BFD 7.00 DME	324.22 / 7.00	4100
ATAME/BFD 13.10 DME (IF/IAF)	DUMKE/BFD 7.00 DME (NOPT)	144.22 / 6.10 (BFD R-324)	3900

MISSED APPROACH

MAP: HOVIS/BFD 1.94 DME FIX

CLIMB DIRECT BFD VOR/DME, THEN CONTINUE CLIMB TO 3900 THEN LEFT TURN DIRECT BFD VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 324.22 INBOUND.
CHART FAS OBST: 2305 TREE 414933N/0784027W
CHART 2582 TOWER 415300N/0784145W.
CHART VDP AT 3.19 DME;
DISTANCE VDP TO THLD 1.28 MILES.
DUMKE TO RW14: 3.21/55.
FAC 450L OF RWY C/L EXTENDED 3000 FROM THLD.

1. PT L SIDE OF COURSE 324.22 OUTBOUND 4000 FT WITHIN 10 MILES OF DUMKE (IAF)
2.
3. FAC 144.22 FAF DUMKE/BFD 7.00 DME DIST FAF TO MAP 5.06 THLD 5.09
4. MIN. ALT DUMKE 3900, FEMOT/BFD 3.70 DME 2740
8. MSA FROM: BFD VOR/DME 3800

MAG VAR: 7W EPOCH YEAR:1965

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
S-14	2560	1	442	2560	1	442	2560	1 1/4	442	2560	1 1/2	442			
CIRCLING	2620	1	477	2620	1	477	2620	1 1/2	477	2700	2	557			

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 ST MARYS ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND INCREASE S-14 CAT C AND D VISIBILITY 1/4 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 2143 TDZE: 2118	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
BRADFORD, PA	AIRPORT NAME: BRADFORD RGNL	BFD	VOR/DME RWY 14, AMDT 10 23 SEP 2010	AMDT 9
				DATE 05/10/2007

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UXDEP INT/RADAR (IF)	BEVET INT/RADAR	174.21 / 6.10	1600

MISSED APPROACH

ILS: DA
LOC: 4.74 MILES AFTER BEVET INT/RADAR

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 VIA CRE VORTAC R-234 TO PLANN/24.01 DME AND HOLD, OR AS DIRECTED BY ATC ALTERNATE MA: CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 DIRECT HYW NDB AND HOLD SW, LT, 027.70 INBOUND. (ADF REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 053.52 INBOUND.
CHART FAS OBST: 134 TREE 334220N/0785611W
CHART IN PLANVIEW: HYW NDB.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW HYW NDB, LT, 027.70 INBOUND.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT UXDEP
3. FAC: 174.21 FAF: BEVET INT/RADAR DIST FAF TO MAP: 4.74 THLD: 4.74
4. MIN. ALT: UXDEP 2000, BEVET 1600
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 933
6. MIN GS INCPT: 1600 GS ALT AT: BEVET INT/RADAR 1600 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 48.4
8. MSA FROM: CRE VORTAC 2100

MAG VAR: 6W 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 18	223	2400	200	223	2400	200	223	2400	200	223	2400	200			
S-LOC 18	400	2400	377	400	2400	377	400	2400	377	400	4000	377			
CIRCLING	480	1	455	480	1	455	580	1 1/2	555	580	2	555			

NOTES:
CHART NOTE: CIRCLING NA E OF RWY 18-36.
CHART NOTE: DME REQUIRED.
CHART PLANVIEW NOTE: RADAR REQUIRED

CITY AND STATE	ELEVATION: 25 TDZE: 23	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MYRTLE BEACH, SC	AIRPORT NAME: MYRTLE BEACH INTL	I-MYR	ILS OR LOC RWY 18, AMDT 2 23 SEP 2010	AMDT: 1H
				DATED 09/25/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CHACA RADAR (IF)	PORKE INT/RADAR	354.21 / 6.07	1600

MISSED APPROACH

ILS: DA
LOC: 4.73 MILES AFTER PORKE INT/RADAR

CLIMB TO 3000 VIA HEADING 352 TO KOOKE INT/CRE 16.04 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 3000 DIRECT HYW NDB AND HOLD SW, LT, 027.70 INBOUND. (ADF REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 121.62 INBOUND.
CHART FAS OBST: 106 TREE 333924N/0785530W
CHART 200 SHIP 333541N/0785351W.
CHART W177A.
CHART IN PLANVIEW: HYW NDB.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW HYW NDB, LT, 027.70 INBOUND.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CHACA
3. FAC: 354.21 FAF: PORKE INT/RADAR DIST FAF TO MAP: 4.73 THLD: 4.73
4. MIN. ALT: CHACA 1600, PORKE 1600, SOMVE INT 460*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1063
6. MIN GS INCPT: 1600 GS ALT AT: PORKE INT/RADAR 1600 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 52.1
8. MSA FROM: CRE VORTAC 2100

MAG VAR: 6W 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 36	225	4000	200	225	4000	200	225	4000	200	225	4000	200			
S-LOC 36	460	4000	435	460	4000	435	460	6000	435	460	1 1/2	435			
CIRCLING	480	1	455	480	1	455	580	1 1/2	555	580	2	555			
SOMVE FIX MINIMUMS															
S-LOC 36	360	4000	335	360	4000	335	360	4000	335	360	5000	335			
CIRCLING	480	1	455	480	1	455	580	1 1/2	555	580	2	555			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 36 CAT C.
CHART NOTE: CIRCLING NA E OF RWY 18-36.
CHART PLANVIEW NOTE: RADAR REQUIRED
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
*LOC ONLY



CITY AND STATE	ELEVATION: 25 TDZE: 25	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MYRTLE BEACH, SC	AIRPORT NAME: MYRTLE BEACH INTL	I-BSQ	ILS OR LOC RWY 36, AMDT 2	AMDT: 1D
			23 SEP 2010	DATED 10/25/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
VUTME (IAF)	UXDEP (NOPT) (FB)	264.23 / 5.00	2000
UPVOW (IAF)	UXDEP (NOPT) (FB)	084.13 / 5.00	2000
UXDEP (IF/IAF)	BEVET (FB)	174.18 / 6.10	1600

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

CLIMB TO 3000 DIRECT NOGMY AND ON TRACK 254.17 TO PLANN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 056.52 INBOUND.
CHART FAS OBST: 178 TRMSN TWR 334245N/0785533W
DISTANCE TO THLD FROM 200 HAT: 0.48 NM.
CHART VDP AT 1.16 MILES TO RW18* *LNAV ONLY.
WAAS CHANNEL # 93819
REFERENCE PATH ID: W18A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N UXDEP, RT, 174.18 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 174.20 FAF: BEVET DIST FAF TO MAP: 4.74 THLD: 4.74
4. MIN. ALT: UXDEP 2000, BEVET 1600, JOKIX/2.50 NM TO RW18 860*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1600 GS ALT AT: BEVET 1600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 48.4 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 6W 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	223	2400	200	223	2400	200	223	2400	200	223	2400	200			
LNAV/VNAV DA	479	5000	456	479	5000	456	479	5000	456	479	5000	456			
LNAV MDA	440	2400	417	440	2400	417	440	4000	417	440	5000	417			
CIRCLING	480	1	455	480	1	455	580	1 1/2	555	580	2	555			

NOTES:
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY TO RVR 6000.
CHART NOTE: CIRCLING NA E OF RWY 18-36.
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.
*LNAV ONLY

CITY AND STATE	ELEVATION: 25 TDZE: 23 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MYRTLE BEACH, SC	MYRTLE BEACH INTL	RNAV	RNAV (GPS) RWY 18, AMDT 2 23 SEP 2010	AMDT: 1C DATED 01/18/2007

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.	084/30 CW 129/30 (NOPT)	UXDEP (IF/IAF) (FB)	2000
	129/19 CW 174/19	UXDEP (IF/IAF) (FB)	2000
	174/30 CW 264/30 (NOPT)	UXDEP (IF/IAF) (FB)	2000
2.	129/30 CW 174/30 (NOPT)	129/19 CW 174/19	2700
3.	264/30 CW 354/30	VUTME (IAF) (FB)	2000
4.	354/30 CW 084/30	UPVOW (IAF) (FB)	2100

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
MYRTLE BEACH, SC	ELEVATION: 25 TDZE: 23 AIRPORT NAME: MYRTLE BEACH INTL	RNAV	RNAV (GPS) RWY 18, AMDT 2 23 SEP 2010	SUP: AMDT: 1C DATED: 01/18/2007

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMYR
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	334133.0800N
LTP/FTP LONGITUDE	0785553.4500W
LTP/FTP ELLIPSOIDAL HEIGHT	-00279
FPAP LATITUDE	333956.6700N
FPAP LONGITUDE	0785529.3800W
THRESHOLD CROSSING HEIGHT (TCH)	00048.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0136
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	0C180DDA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00067
FPAP ORTHOMETRIC HEIGHT	+00067

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ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BEVET K70    C     N33461201W078570316                    W0083     NAR           BEVET
        SUSAEAENRT   JOKIX K70    W     N33440018W078563020                    W0083     NAR           JOKIX
        SUSAEAENRT   NOGMY K70    W     N33370926W078544763                    W0083     NAR           NOGMY
        SUSAEAENRT   PLANN K70    C   L N33333041W079053864                    W0082     NAR           PLANN
        SUSAEAENRT   UPVOW K70    W     N33510921W079042564                    W0083     NAR           UPVOW
        SUSAEAENRT   UXDEP K70    C     N33521091W078583306                    W0083     NAR           UXDEP
        SUSAEAENRT   VUTME K70    W     N33531233W078524034                    W0084     NAR           VUTME

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMYRK7AMYR     0     095YHN33404710W078554200W006000025        1800018000C    MNAR    MYRTLE BEACH INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMYRK7FR18   AUPVOW 010UPVOWK7EA0E  A    IF                                          18000                A JS
        SUSAP KMYRK7FR18   AUPVOW 020UXDEPK7EA0EE B 010TF                   08410050    + 02000                       A JS
        SUSAP KMYRK7FR18   AUXDEP 010UXDEPK7EA0EE AR   HF                   17420040    + 02000     18000             A JS
        SUSAP KMYRK7FR18   AVUTME 010VUTMEK7EA0E  A    IF                                          18000             A JS
        SUSAP KMYRK7FR18   AVUTME 020UXDEPK7EA0EE B 010TF                   26420050    + 02000                       A JS
        SUSAP KMYRK7FR18   R      010UXDEPK7EA0E  I    IF                               + 02000     18000             A JS
        SUSAP KMYRK7FR18   R      020BEVETK7EA1E  F 051TF                   17420061    + 01600                       A JS
        SUSAP KMYRK7FR18   R      020BEVETK7EA2WALPV       ALNAV/VNAV ALNAV                                          JS
        SUSAP KMYRK7FR18   R      021JOKIXK7EA0E S  031TF                   17420022    V 0086000873        -300      A JS
        SUSAP KMYRK7FR18   R      030RW18 K7PG0GY M 031TF                   17420025      00071             -300      A JS
        SUSAP KMYRK7FR18   R      040         0  M  010CA                   1742        + 00223                       A JS
        SUSAP KMYRK7FR18   R      050NOGMYK7EA0E    010DF                                                           A JS
        SUSAP KMYRK7FR18   R      060PLANNK7EA0EY   010TF                   2542        + 03000                       A JS
        SUSAP KMYRK7FR18   R      070PLANNK7EA0EE  R020HM                   05650060    + 03000                       A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMYRK7GRW18    0095031742 N33413308W078555345+0000    -0027900022000048150I
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CITY AND STATE	ELEVATION: 25 TDZE: 23	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MYRTLE BEACH, SC	AIRPORT NAME: MYRTLE BEACH INTL	RNAV	RNAV (GPS) RWY 18, AMDT 2 23 SEP 2010	AMDT: 1C
				DATED: 01/18/2007

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMYRK7PR18    RW18 001 0000W18A0N3341330800W07855534500-00279030ON3339566700W078552938001067501360004B4F4003500C180DDA
        SUSAP KMYRK7PR18    RW18 002E      +00067+00067LPV       93819
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CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MYRTLE BEACH, SC	ELEVATION: 25 TDZE: 23 AIRPORT NAME: MYRTLE BEACH INTL	RNAV	RNAV (GPS) RWY 18, AMDT 2 23 SEP 2010	AMDT: 1C DATED: 01/18/2007

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PLANN	ZARWU (FB)	137.33 / 7.71	3000
ZARWU (IAF)	CHACA (FB)	084.18 / 5.00	1600
CHACA (IF)	PORKE (FB)	354.23 / 6.07	1600

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

CLIMB TO 2000 DIRECT UXDEP AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 174.18 INBOUND.
CHART FAS OBST: 170 OL BLDG 333946N/0785447W
CHART FAS OBST: 200 SHIP 333621N/0785333W
CHART W-177A.
DISTANCE TO THLD FROM 200 HAT: 0.48 NM.
CHART VDP AT 1.42 MILES TO RW36* *LNAV ONLY.
WAAS CHANNEL # 93719
REFERENCE PATH ID: W36A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CHACA
3. FAC: 354.22 FAF: PORKE DIST FAF TO MAP: 4.73 THLD: 4.73
4. MIN. ALT: CHACA 1600, PORKE 1600
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1600 GS ALT AT: PORKE 1600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.1 34:1 IS CLEAR
8. MSA FROM: RW36 2100

MAG VAR: 6W 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	225	4000	200	225	4000	200	225	4000	200	225	4000	200			
LNAV/VNAV DA	431	1 1/2	406	431	1 1/2	406	431	1 1/2	406	431	1 1/2	406			
LNAV MDA	520	4000	495	520	4000	495	520	6000	495	520	1 1/2	495			
CIRCLING	520	1	495	520	1	495	580	1 1/2	555	580	2	555			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV CATS A/B/C AND LNAV CAT C.
CHART NOTE: CIRCLING NA E OF RWY 18-36.
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 PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CITY AND STATE	ELEVATION: 25 TDZE: 25 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MYRTLE BEACH, SC	MYRTLE BEACH INTL	RNAV	RNAV (GPS) RWY 36, AMDT 2 23 SEP 2010	AMDT: 1A DATED 11/01/2001

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMYR
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	334001.0500N
LTP/FTP LONGITUDE	0785530.4700W
LTP/FTP ELLIPSOIDAL HEIGHT	-00282
FPAP LATITUDE	334137.4600N
FPAP LONGITUDE	0785554.5400W
THRESHOLD CROSSING HEIGHT (TCH)	00052.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0136
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	A710A9E0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00065
FPAP ORTHOMETRIC HEIGHT	+00065

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

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   CHACA K70    W     N33292552W078525216                    W0083     NAR          CHACA
          SUSAEAENRT   PLANN K70    C   L N33333041W079053864                    W0082     NAR          PLANN
          SUSAEAENRT   PORKE K70    C     N33352264W078542104                    W0083     NAR          PORKE
          SUSAEAENRT   UXDEP K70    C     N33521091W078583306                    W0083     NAR          UXDEP
          SUSAEAENRT   ZARWU K70    W     N33282407W078584326                    W0083     NAR          ZARWU

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMYRK7AMYR     C     095YHN33404710W078554200W006000025         18000018000C    MNAR    MYRTLE BEACH INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMYRK7FR36   APLANN 010PLANNK7EA0E       IF                                                  18000              A JS
          SUSAP KMYRK7FR36   APLANN 020ZARWUK7EA0E  A 020TF                    13730077    + 03000                              A JS
          SUSAP KMYRK7FR36   APLANN 030CHACAK7EA0EE B 010TF                    08420050    + 01600                              A JS
          SUSAP KMYRK7FR36   R       010CHACAK7EA0E  I    IF                              + 01600     18000                    A JS
          SUSAP KMYRK7FR36   R       020PORKEK7EA1E  F 051TF                    35420061    + 01600                RW36  K7PGA JS
          SUSAP KMYRK7FR36   R       020PORKEK7EA2WALPV       ALNAV/VNAV ALNAV                                                JS
          SUSAP KMYRK7FR36   R       030RW36 K7PG0GY M 031TF                    35420047      00074           -300             A JS
          SUSAP KMYRK7FR36   R       040         0  M  010CA                    3542        + 00225                            A JS
          SUSAP KMYRK7FR36   R       050UXDEPK7EA0EY   010DF                              + 02000                              A JS
          SUSAP KMYRK7FR36   R       060UXDEPK7EA0EE  R020HM                    17420040    + 02000                              A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMYRK7GRW36    0095033542 N33400105W078553047+0000    -00282000210000521501

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMYRK7PR36   RW36 001 0000W36A0N3340010500W07855304700-002820300N3341374600W078555454001067501360005Z1F400350A710A9E0
          SUSAP KMYRK7PR36   RW36 002E      +00065+00065LPV       93719
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CITY AND STATE	ELEVATION: 25 TDZE: 25	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MYRTLE BEACH, SC	AIRPORT NAME: MYRTLE BEACH INTL	RNAV	RNAV (GPS) RWY 36, AMDT 2 23 SEP 2010	AMDT: 1A DATED: 11/01/2001

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAF KMYRK7SRW36 K7PG              0   18018002125                                                          M
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CITY AND STATE	ELEVATION: 25 TDZE: 25	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MYRTLE BEACH, SC	AIRPORT NAME: MYRTLE BEACH INTL	RNAV	RNAV (GPS) RWY 36, AMDT 2 23 SEP 2010	AMDT: 1A DATED: 11/01/2001

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CRE VORTAC (IF/IAF)	LAMPP/CRE 7.00 DME	234.00 / 7.00	1600

MISSED APPROACH

MAP: MAKCP/CRE 12.62 DME

CLIMB TO 3000 VIA CRE VORTAC R-234 TO PLANN/CRE 24.01 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 053.52 INBOUND.
CHART FAS OBST: 253 BLDG 334021N/0785406W
CHART 389 TOWER 334437N/0785129W.
FAC CROSSES MID POINT OF RWY 18/36.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE CRE VORTAC, LT, 234.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC 234.00 FAF LAMPP/CRE 7.00 DME DIST FAF TO MAP ____ THLD ____
4. MIN. ALT CRE VORTAC 2000, LAMPP 1600, JATBU/CRE 11.50 DME 640
8. MSA FROM: CRE VORTAC 2100

MAG VAR: 3W 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
CIRCLING	520	1	495	520	1	495	580	1 1/2	555	580	2	555			

NOTES:

CHART NOTE: CIRCLING NA E OF RWY 18-36.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON CRE VORTAC AIRWAY RADIALS 302 CW 056.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 25 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
MYRTLE BEACH, SC	MYRTLE BEACH INTL	CRE	VOR/DME-A, AMDT 1 23 SEP 2010	SUP VOR/DME OR GPS-A AMDT ORIG-B DATE 01/18/2007

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 23 SEP 2010

QUALITY CHECKED

CITY AND STATE	ELEVATION: 32 TDZE: 32	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
NORTH MYRTLE BEACH, SC	AIRPORT NAME: **GRAND STRAND**	**GPS**	**GPS RWY 5, ORIG-A, 03/04/2010**	AMDT **ORIG**
				DATE **03/25/1999**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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 23 SEP 2010

QUALITY CHECKED 9

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
NORTH MYRTLE BEACH, SC	**ELEVATION: 32 TDZE: 30** AIRPORT NAME: **GRAND STRAND**	**GPS**	**GPS RWY 23, ORIG-A, 03/04/2010**	SUP AMDT **ORIG** DATE **03/25/1999**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
KOOKE	OPMAY (FB)	176.23 / 12.32	2100
OPMAY (IAF)	ZULSY (FB)	143.94 / 5.00	2100
PLANN (IAF)	ZULSY (FB)	062.81 / 12.69	2100
ZULSY (IF)	YUPCY (FB)	053.98 / 6.10	1600

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW05

CLIMB TO 2100 DIRECT MUPAE AND LEFT TURN ON TRACK 324.07 TO RERDE AND LEFT TURN ON TRACK 215.97 TO OPMAY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 143.94 INBOUND.
CHART FAS OBST: 206 BLDG 334727N/0784407W
CHART 347 BLDG 334555N/0784653W.
DISTANCE TO THLD FROM 250 HAT: 0.66 NM.
CHART VDP AT 1.22 MILES TO RW05* *LNAV ONLY.
WAAS CHANNEL # 82519
REFERENCE PATH ID: W05A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ZULSY
3. FAC: 054.03 FAF: YUPCY DIST FAF TO MAP: 4.74 THLD: 4.74
4. MIN. ALT: ZULSY 2100, YUPCY 1600, VEJTA/2.00 NM TO RW05 700*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1600 GS ALT AT: YUPCY 1600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW05 2100

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	281	1	250	281	1	250	281	1	250	281	1	250			
LNAV/VNAV DA	496	1 3/4	465	496	1 3/4	465	496	1 3/4	465	496	1 3/4	465			
LNAV MDA	460	1	429	460	1	429	460	1 1/4	429	460	1 1/2	429			
CIRCLING	520	1	489	520	1	489	520	1 1/2	489	720	2 1/4	689			

NOTES:
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 USE MYRTLE BEACH INTL ALTIMETER SETTING AND SEE 8260-10

@ CAT D 800-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 31 TDZE: 31	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
NORTH MYRTLE BEACH, SC	AIRPORT NAME: GRAND STRAND	RNAV	RNAV (GPS) RWY 5, ORIG 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET.
CHART NOTE: VDP AND BARO-VNAV NA WITH MYRTLE BEACH INTL ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KOOKE ON V259 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PLANN ON V1 SOUTHWEST BOUND.

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
NORTH MYRTLE BEACH, SC	**ELEVATION: 31 TDZE: 31** AIRPORT NAME: **GRAND STRAND**	**RNAV**	**RNAV (GPS) RWY 5, ORIG** 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCRE
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	334821.7195N
LTP/FTP LONGITUDE	0784351.7880W
LTP/FTP ELLIPSOIDAL HEIGHT	-00254
FPAP LATITUDE	334923.6400N
FPAP LONGITUDE	0784234.7700W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	3B674D80

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00095
FPAP ORTHOMETRIC HEIGHT	+00095

QUALITY CHECKED

CITY AND STATE	ELEVATION: 31 TDZE: 31	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NORTH MYRTLE BEACH, SC	AIRPORT NAME: GRAND STRAND	RNAV	RNAV (GPS) RWY 5, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   KOOKE K70    R   L N33563058W079002402                      W0083     NAR           KOOKE
        SUSAEAENRT   MUPAE K70    W     N33512932W078395829                      W0085     NAR           MUPAE
        SUSAEAENRT   OPMAY K70    W     N33442536W078572309                      W0083     NAR           OPMAY
        SUSAEAENRT   PLANN K70    C   L N33333041W079053864                      W0082     NAR           PLANN
        SUSAEAENRT   RERDE K70    W     N33584193W078481885                      W0085     NAR           RERDE
        SUSAEAENRT   VEJTA K70    W     N33465830W078453548                      W0085     NAR           VEJTA
        SUSAEAENRT   YUPCY K70    W     N33450407W078475733                      W0084     NAR           YUPCY
        SUSAEAENRT   ZULSY K70    W     N33404931W078531310                      W0083     NAR           ZULSY

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCREK7ACRE     0     059YHN33484230W078432620W008000031         1800018000C    MNAR    GRAND STRAND

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCREK7FR05   AKOOKE 010KOOKEK7EA0E       IF                                          18000                A JS
        SUSAP KCREK7FR05   AKOOKE 020OPMAYK7EA0E  A 020TF                    17620123    + 02100                       A JS
        SUSAP KCREK7FR05   AKOOKE 030ZULSYK7EA0EE B 010TF                    14390050    + 02100                       A JS
        SUSAP KCREK7FR05   APLANN 010PLANNK7EA0E  A    IF                                          18000                A JS
        SUSAP KCREK7FR05   APLANN 020ZULSYK7EA0EE B 010TF                    06280127    + 02100                       A JS
        SUSAP KCREK7FR05   R      010ZULSYK7EA0E  I    IF                                 + 02100  18000                A JS
        SUSAP KCREK7FR05   R      020YUPCYK7EA1E  F 051TF                    05400061    + 01600              RW05  K7PGA JS
        SUSAP KCREK7FR05   R      020YUPCYK7EA2WALPV      ALNAV/VNAV ALNAV                                                JS
        SUSAP KCREK7FR05   R      021VEJTAK7EA0E S  031TF                    05400027    V 0070000712    -300          A JS
        SUSAP KCREK7FR05   R      030RW05 K7PG0GY M 031TF                    05400020      00071         -300          A JS
        SUSAP KCREK7FR05   R      040         0   M 010CA                    0540        + 00281                       A JS
        SUSAP KCREK7FR05   R      050MUPAEK7EA0E    010DF                                                             A JS
        SUSAP KCREK7FR05   R      060RERDEK7EA0E   L010TFY                   3241                                      A JS
        SUSAP KCREK7FR05   R      070OPMAYK7EA0EY  L010TFY                   2160        + 02100                       A JS
        SUSAP KCREK7FR05   R      080OPMAYK7EA0EE  R020HM                    14390040    + 02100                       A JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 31 TDZE: 31	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NORTH MYRTLE BEACH, SC	AIRPORT NAME: GRAND STRAND	RNAV	RNAV (GPS) RWY 5, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KCREK7GRW05     0059970541 N33482172W078435179+0000     -0025400031000040100R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KCREK7PR05    RW05 001 0000W05A0N3348217195W07843517880-002540300N3349236400W078423477001067509200004O0F4005003B674D80
          SUSAP KCREK7PR05    RW05 002E       +00095+C0095LPV       82519

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KCREK7SRW05 K7PG                0   18018002125                                                              M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 31 TDZE: 31	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NORTH MYRTLE BEACH, SC	AIRPORT NAME: GRAND STRAND	RNAV	RNAV (GPS) RWY 5, ORIG 23 SEP 2010	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HICKE	OTCEN (FB)	142.59 / 9.28	2000
OTCEN (IAF)	FIPEG (FB)	144.13 / 5.00	2000
CHAMS (IAF)	FIPEG (FB)	252.74 / 5.52	2000
FIPEG (IF)	GAPNY (FB)	234.17 / 6.13	1600

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

CLIMB TO 2000 DIRECT RINRE AND RIGHT TURN ON TRACK 324.08 TO POZEF AND RIGHT TURN ON TRACK 071.50 TO OTCEN AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT FIPEG
3. FAC: 234.12 FAF: GAPNY DIST FAF TO MAP: 4.70 THLD: 4.70
4. MIN. ALT: FIPEG 2000, GAPNY 1600, MUQTU/2.50 NM TO RW23 880'
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1600 GS ALT AT: GAPNY 1600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.2 34:1 IS CLEAR
8. MSA FROM: RW23 2100

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 144.13 INBOUND.
CHART FAS OBST: 144 TREE 334913N/0784211W
CHART FAS OBST: 188 TOWER 334941N/0784107W
DISTANCE TO THLD FROM 200 HAT: 0.45 NM.
CHART VDP AT 1.19 MILES TO RW23* *LNAV ONLY.
WAAS CHANNEL # 42819
REFERENCE PATH ID: W23A

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	229	1/2	200	229	1/2	200	229	1/2	200	229	1/2	200			
LNAV/VNAV DA	445	1	416	445	1	416	445	1	416	445	1	416			
LNAV MDA	460	1/2	431	460	1/2	431	460	3/4	431	460	1	431			
CIRCLING	520	1	489	520	1	489	520	1 1/2	489	720	2 1/4	689			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING MYRTLE BEACH 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: VDP NA WITH MYRLTE BEACH INTL ALTIMETER SETTING.
SEE 8260-10

@ CAT D 800-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 31 TDZE: 29	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
NORTH MYRTLE BEACH, SC	AIRPORT NAME: GRAND STRAND	RNAV	RNAV (GPS) RWY 23, ORIG 23 SEP 2010	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.

NOTES CONT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE MYRTLE BEACH INTL ALTIMETER SETTING AND INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HICKE ON V136 NORTHBOUND AND ARRIVALS AT CHAMS ON V70-213 NORTHEAST BOUND.

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
NORTH MYRTLE BEACH, SC	**ELEVATION: 31 TDZE: 29** AIRPORT NAME: **GRAND STRAND**	**RNAV**	**RNAV (GPS) RWY 23, ORIG** 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCRE
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	334902.8760N
LTP/FTP LONGITUDE	0784300.5975W
LTP/FTP ELLIPSOIDAL HEIGHT	-00261
FPAP LATITUDE	334821.7200N
FPAP LONGITUDE	0784351.7900W
THRESHOLD CROSSING HEIGHT (TCH)	00055.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	91.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	9A2F2902

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00088
FPAP ORTHOMETRIC HEIGHT	+00088

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 31 TDZE: 29	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NORTH MYRTLE BEACH, SC	AIRPORT NAME: GRAND STRAND	RNAV	RNAV (GPS) RWY 23, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   CHAMS K70    C   L N33585572W078273812                    W0087     NAR          CHAMS
          SUSAEAENRT   PIPEG K70    C     N33563407W078333800                    W0086     NAR          PIPEG
          SUSAEAENRT   GAPNY K70    C     N33521872W078385672                    W0086     NAR          GAPNY
          SUSAEAENRT   HICKE K70    C   L N34064251W078454467                    W0085     NAR          HICKE
          SUSAEAENRT   MUQTU K70    C     N33504710W078405088                    W0085     NAR          MUQTU
          SUSAEAENRT   OTCEN K70    W     N34001081W078374790                    W0086     NAR          OTCEN
          SUSAEAENRT   POZEF K70    W     N33524702W078553968                    W0084     NAR          POZEF
          SUSAEAENRT   RINRE K70    W     N33453433W078471979                    W0084     NAR          RINRE

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCREK7ACRE     0     059YHN33484230W078432620W008000031        1800018000C    MNAR    GRAND STRAND

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCREK7FR23   ACHAMS 010CHAMSK7EA0E  A    IF                                          18000              A JS
          SUSAP KCREK7FR23   ACHAMS 020FIPEGK7EA0EE B 010TF                    25270055    + 02000                     A JS
          SUSAP KCREK7FR23   AHICKE 010HICKEK7EA0E      IF                                          18000              A JS
          SUSAP KCREK7FR23   AHICKE 020OTCENK7EA0E  A 020TF                    14260093    + 02000                     A JS
          SUSAP KCREK7FR23   AHICKE 030FIPEGK7EA0EE B 010TF                    14410050    + 02000                     A JS
          SUSAP KCREK7FR23   R       010FIPEGK7EA0E  I    IF                              + 02000     18000           A JS
          SUSAP KCREK7FR23   R       020GAPNYK7EA1E  F 051TF                    23420061    + 01600           RW23  K7PGA JS
          SUSAP KCREK7FR23   R       020GAPNYK7EA2WALPV      ALNAV/VNAV ALNAV                                          JS
          SUSAP KCREK7FR23   R       021MUQTUK7EA0E S  031TF                    23410022    V 0088000887      -300    A JS
          SUSAP KCREK7FR23   R       030RW23 K7PG0GY M 031TF                    23410025      00084           -300    A JS
          SUSAP KCREK7FR23   R       040         0  M  010CA                    2341        + 00229                 A JS
          SUSAP KCREK7FR23   R       050RINREK7EA0E    010DF                                                       A JS
          SUSAP KCREK7FR23   R       060POZEFK7EA0E   R010TFY                   3241                                A JS
          SUSAP KCREK7FR23   R       070OTCENK7EA0EY  R010TFY                   0715        + 02000                 A JS
          SUSAP KCREK7FR23   R       080OTCENK7EA0EE  R020HM                    14410040    + 02000                 A JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 31 TDZE: 29	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NORTH MYRTLE BEACH, SC	AIRPORT NAME: GRAND STRAND	RNAV	RNAV (GPS) RWY 23, ORIG 23 SEP 2010	AMDT: NONE DATED:

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KCREK7GRW23     0059972341 N33490288W078430060+0000     -0026100029000055100I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KCREK7PR23    RW23 001 0000W23A0N3349028760W07843005975-002610300N3348217200W078435179000917500000000552F4003509A2F2902
         SUSAP KCREK7PR23    RW23 002E      +00088+00088LPV       42819

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KCREK7SRW23 K7PG               0   18018002125                                                                    M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 31 TDZE: 29	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NORTH MYRTLE BEACH, SC	AIRPORT NAME: GRAND STRAND	RNAV	RNAV (GPS) RWY 23, ORIG	AMDT: NONE
			23 SEP 2010	DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SACKS	PROSO (FO)	088.71 / 26.38	2600
HERMN (IAF)	PROSO (NOPT) (FB)	277.37 / 7.72	2600
PROSO (IF/IAF)	UTUYO (FB)	236.15 / 6.04	1700
UTUYO (FAF)	JERAK (MAP) (FO)	236.10 / 4.51	
JERAK (MAP)	456 MSL	236.10	
456 MSL	PROSO (FO)		2600

MISSED APPROACH

LNAV: JERAK

CLIMBING LEFT TURN TO 2600 DIRECT PROSO AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 272 TOWER 330538N/0801345W
CHART VDP AT 1.31 MILES TO RW24.
UTUYO TO RW24: 3.04/30.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE PROSO, RT, 236.15 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 236.10 FAF: UTUYO DIST FAF TO MAP: 4.51 THLD: 5.01
4. MIN. ALT: PROSO 2600, UTUYO 1700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM: JERAK 2100

MAG VAR: 7W EPOCH YEAR: 2010

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	540	1	484	540	1	484	540	1 1/4	484		NA				
CIRCLING	860	1	804	860	1 1/4	804	860	2 1/4	804		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SACKS VIA V18-311 WEST BOUND.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLESTON ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.

@ CAT A,B 900-2, CAT C 900-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 56 TDZE: 56	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SUMMERVILLE, SC	AIRPORT NAME: SUMMERVILLE	RNAV	RNAV (GPS) RWY 24, ORIG-A 23 SEP 2010	AMDT: ORIG DATED 07/29/2010

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   HERMN K70    C   L N33111257W079572030                    W0075     NAR          HERMN
        SUSAEAENRT   JERAK K70    W     N33041981W080160252                    W0073     NAR          JERAK
        SUSAEAENRT   PROSO K70    W     N33111524W080063238                    W0074     NAR          PROSO
        SUSAEAENRT   SACKS K70    C   L N33073038W080373866                    W0071     NAR          SACKS
        SUSAEAENRT   UTUYO K70    W     N33071750W080115896                    W0074     NAR          UTUYO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDYBK7ADYB     0      037YHN33034840W080164560W007000056         1800018000C    MNAR     SUMMERVILLE

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDYBK7FR24    AHERMN 010HERMNK7EA0E  A    IF                                                18000                B JS
        SUSAP KDYBK7FR24    AHERMN 020PROSOK7EA0EE B 010TF                    27740077    + 02600                                B JS
        SUSAP KDYBK7FR24    ASACKS 010SACKSK7EA0E       IF                                                18000                B JS
        SUSAP KDYBK7FR24    ASACKS 020PROSOK7EA0EY   020TF                    08870264    + 02600                                B JS
        SUSAP KDYBK7FR24    ASACKS 030PROSOK7EA0EE AR   HF                    23620040    + 02600                                B JS
        SUSAP KDYBK7FR24    R      010PROSOK7EA0E  I    IF                                + 02600    18000                       B JS
        SUSAP KDYBK7FR24    R      020UTUYOK7EA1E  F 051TF                    23620060    + 01700                JERAK K7EAB JS
        SUSAP KDYBK7FR24    R      020UTUYOK7EA2WN          N          ALNAV                                                    JS
        SUSAP KDYBK7FR24    R      030JERAKK7EA0EY M 031TF                    23610045      00244          -304                B JS
        SUSAP KDYBK7FR24    R      040          0  M  010CA                   2361        + 00456                                B JS
        SUSAP KDYBK7FR24    R      050PROSOK7EA0EY  L010DF                               + 02600                                B JS
        SUSAP KDYBK7FR24    R      060PROSOK7EA0EE  R020HM                    23620040    + 02600                                B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDYBK7GRW24     0037002361 N33040036W080162915-0200     -0016000053000030075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDYBK7SJERAKK7EA               0   18018002125                                                                    M
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CITY AND STATE	ELEVATION: 56 TDZE: 56	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SUMMERVILLE, SC	AIRPORT NAME: SUMMERVILLE	RNAV	RNAV (GPS) RWY 24, ORIG-A 23 SEP 2010	AMDT: ORIG DATED: 07/29/2010

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ATHIS (IAF)	JAGRU (FB)	128.64 / 13.78	1700
JAGRU (IF)	CEVUS (FB)	128.74 / 6.02	1700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

CLIMB TO 2000 DIRECT KIBLE AND ON 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: CUDDIHY (PRIVATE) AIRPORT.
CHART: CABANISS FIELD NOLF.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT JAGRU
3. FAC. 128.78 FAF: CEVUS DIST FAF TO MAP: 4.98 THLD: 4.98
4. MIN. ALT: JAGRU 1700, CEVUS 1700, DOMIW/2.00 NM TO RW13 720*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1700 GS ALT AT: CEVUS OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 51.0 34:1 IS CLEAR
8. 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.
*LNAV ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ATHIS ON V568 WESTBOUND.
SEE 8260-10

QUALITY CHECKED

CITY AND STATE	AIRPORT NAME	FACILITY IDENTIFIER	PROCEDURE NO./AMDT NO./EFFECTIVE DATE	
CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 43 CORPUS CHRISTI INTL	RNAV	RNAV (GPS) Y RWY 13, AMDT 1A 23 SEP 2010	SUP: RNAV (GPS) RWY 13 AMDT: 1 DATED 10/22/2009

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

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

CITY AND STATE	ELEVATION: 44 TDZE: 43	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 13
CORPUS CHRISTI, TX	AIRPORT NAME: CORPUS CHRISTI INTL	RNAV	RNAV (GPS) Y RWY 13, AMDT 1A 23 SEP 2010	AMDT: 1 DATED: 10/22/2009

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCRP
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
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	A4B33886

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00130
FPAP ORTHOMETRIC HEIGHT	+00130

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ATHIS K40    C   L N28042446W097501974                      E0047     NAR          ATHIS
        SUSAEAENRT   CEVUS K40    C     N27501178W097344291                      E0046     NAR          CEVUS
        SUSAEAENRT   DOMIW K40    C     N27480347W097322252                      E0046     NAR          DOMIW
        SUSAEAENRT   JAGRU K40    C     N27543146W097392748                      E0047     NAR          JAGRU
        SUSAEAENRT   KIBLE K40    W     N27444508W097284558                      E0046     NAR          KIBLE
        SUSAEAENRT   POGOE K40    C   L N27381141W097260722                      E0045     NAR          POGOE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4ACRP     0     075YHN27461330W097300440E007000044         18000C    MNAR    CORPUS CHRISTI INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4FR13-Y AATHIS 010ATHISK4EA0E  A    IF                                          18000              A JS
        SUSAP KCRPK4FR13-Y AATHIS 020JAGRUK4EA0EE B 010TF                    12860138    + 01700                     A JS
        SUSAP KCRPK4FR13-Y R      010JAGRUK4EA0E  I    IF                               + 01700    18000              A JS
        SUSAP KCRPK4FR13-Y R      020CEVUSK4EA1E  F 051TF                    12870060    + 01700               RW13  K4PGA JS
        SUSAP KCRPK4FR13-Y R      020CEVUSK4EA2WALPV       ALNAV/VNAV ALNAV                                             JS
        SUSAP KCRPK4FR13-Y R      021DOMIWK4EA0E S  031TF                    12880030    V 0072000734        -300       A JS
        SUSAP KCRPK4FR13-Y R      030RW13 K4PG0GY M 031TF                    12880020      00094             -300       A JS
        SUSAP KCRPK4FR13-Y R      040         0  M  010CA                    1288        + 00243                      A JS
        SUSAP KCRPK4FR13-Y R      050KIBLEK4EA0E    010DF                                                            A JS
        SUSAP KCRPK4FR13-Y R      060POGOEK4EA0EY   010TF                    1533        + 02000                      A JS
        SUSAP KCRPK4FR13-Y R      070POGOEK4EA0EE  L020HM                    35120060    + 02000                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4GRW13    0075081288 N27463720W097304820+0000    -00135000430000511501

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4PR13-Y RW13 001Y0000W13A0N2746372000W09730482000-00135030ON2745433600W0972949370010675002400051OF400350A4B33886
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CITY AND STATE	ELEVATION: 44 TDZE: 43	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 13
CORPUS CHRISTI, TX	AIRPORT NAME: CORPUS CHRISTI INTL	RNAV	RNAV (GPS) Y RWY 13, AMDT 1A 23 SEP 2010	AMDT: 1
				DATED: 10/22/2009

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

```
        SUSAP KCRPK4PR13-Y RW13 002E      +00130+00130LPV       97515

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4SRW13 K4PG              0   18018002125                                                                  M
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CITY AND STATE	ELEVATION: 44 TDZE: 43	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 13
CORPUS CHRISTI, TX	AIRPORT NAME: CORPUS CHRISTI INTL	RNAV	RNAV (GPS) Y RWY 13, AMDT 1A 23 SEP 2010	AMDT: 1
				DATED: 10/22/2009

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.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ATHIS	LIMIR (FB)	113.13 / 37.38	2000
WORRY	LIMIR (FB)	169.59 / 21.15	2000
LIMIR (IAF)	BACYA (FB)	213.25 / 10.05	2000
SOLON (IAF)	BACYA (FB)	011.94 / 12.29	2000
BACYA (IF)	JUSTO (FB)	308.89 / 6.03	1700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 2000 DIRECT ATHIS AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT BACYA
3. FAC: 308.85 FAF: JUSTO DIST FAF TO MAP: 4.97 THLD: 4.97
4. MIN. ALT: BACYA 2000, JUSTO 1700, TIVKE/3.80 NM TO RW31 1300*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1700 GS ALT AT: JUSTO 1700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.0 34:1 IS CLEAR
8. MSA FROM: RW31 2100

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 107.00 INBOUND.
CHART FAS OBST: 65 ANT ON OL DME 274535N/0972944W
FAS OBST: 239 AAO 274401N/0972637W
CHART 219 TOWER 274457N/0972817W.
DISTANCE TO THLD FROM 200 HAT: 0.47 NM.
CHART VDP AT 1.34 MILES TO RW31* *LNAV ONLY.
WAAS CHANNEL # 60914
REFERENCE PATH ID: W31A
CHART: CUDDIHY FIELD (PRIVATE).
CHART: CABANISS FIELD NOLF.
CHART IN PLANVIEW: MAXIMUM HOLDING AIRSPEED 230 KIAS.

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	244	1/2	200	244	1/2	200	244	1/2	200	244	1/2	200	244	1/2	200
LNAV/VNAV DA	450	1	406	450	1	406	450	1	406	450	1	406	450	1	406
LNAV MDA	520	1/2	476	520	1/2	476	520	3/4	476	520	1	476	520	1 1/4	476
CIRCLING	520	1	476	520	1	476	580	1 1/2	536	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.
*LNAV ONLY
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO 3/4, LNAV/VNAV CAT E SEE 8260-10

QUALITY CHECKED

CITY AND STATE	ELEVATION: 44 TDZE: 44 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 31
CORPUS CHRISTI, TX	CORPUS CHRISTI INTL	RNAV	RNAV (GPS) Y RWY 31, AMDT 3 23 SEP 2010	AMDT: 2 DATED 03/15/2007

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 aiport 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 1/2, AND LNAV CAT E VISIBILITY TO 1 3/4.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WORRY ON V13-407 NORTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SOLON ON V13-20-163 SOUTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ATHIS ON V568 NORTHWEST BOUND.

CITY AND STATE	ELEVATION: 44 TDZE: 44	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 31
CORPUS CHRISTI, TX	AIRPORT NAME: CORPUS CHRISTI INTL	RNAV	RNAV (GPS) Y RWY 31, AMDT 3 23 SEP 2010	AMDT: 2
				DATED: 03/15/2007

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.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCRP
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	274543.8900N
LTP/FTP LONGITUDE	0972949.9500W
LTP/FTP ELLIPSOIDAL HEIGHT	-00143
FPAP LATITUDE	274647.9600N
FPAP LONGITUDE	0973059.9600W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0464
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	5FEBCADC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00122
FPAP ORTHOMETRIC HEIGHT	+00122

QUALITY CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
------------------------------------------------------------------------------------------------------------------------------
SUSAEAENRT   ATHIS K40    C   L N28042446W097501974                    E0047     NAR           ATHIS
SUSAEAENRT   BACYA K40    W     N27374899W097211208                    E0045     NAR           BACYA
SUSAEAENRT   JUSTO K40    W     N27420920W097255561                    E0045     NAR           JUSTO
SUSAEAENRT   LIMIR K40    W     N27453075W097135335                    E0044     NAR           LIMIR
SUSAEAENRT   SOLON K40    C   L N27260977W097254157                    E0045     NAR           SOLON
SUSAEAENRT   TIVKE K40    W     N27425990W097265091                    E0045     NAR           TIVKE
SUSAEAENRT   WORRY K40    C   L N28064117W097151836                    E0044     NAR           WORRY

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
------------------------------------------------------------------------------------------------------------------------------
SUSAP KCRPK4ACRP     0      075YHN27461330W097300440E007000044          1800018000C     MNAR     CORPUS CHRISTI INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
------------------------------------------------------------------------------------------------------------------------------
SUSAP KCRPK4FR31-Y AATHIS 010ATHISK4EA0E       IF                                                18000                A JS
SUSAP KCRPK4FR31-Y AATHIS 020LIMIRK4EA0E  A 020TF                      11310374    + 02000                                A JS
SUSAP KCRPK4FR31-Y AATHIS 030BACYAK4EA0EE BR010TFY                     21330101    + 02000                                A JS
SUSAP KCRPK4FR31-Y ASOLON 010SOLONK4EA0E  A    IF                                                 18000                A JS
SUSAP KCRPK4FR31-Y ASOLON 020BACYAK4EA0EE B 010TF                      01190123    + 02000                                A JS
SUSAP KCRPK4FR31-Y AWORRY 010WORRYK4EA0E       IF                                                18000                A JS
SUSAP KCRPK4FR31-Y AWORRY 020LIMIRK4EA0E  A 020TF                      16960212    + 02000                                A JS
SUSAP KCRPK4FR31-Y AWORRY 030BACYAK4EA0EE B 010TF                      21330101    + 02000                                A JS
SUSAP KCRPK4FR31-Y R      010BACYAK4EA0E  I    IF                                  + 02000    18000                       A JS
SUSAP KCRPK4FR31-Y R      020JUSTOK4EA1E  F 051TF                      30890060    + 01700                RW31  K4PGA  JS
SUSAP KCRPK4FR31-Y R      020JUSTOK4EA2WALPV       ALNAV/VNAV ALNAV                                                          JS
SUSAP KCRPK4FR31-Y R      021TIVKEK4EA0E S  031TF                      30890012    V 0130001318        -300                A JS
SUSAP KCRPK4FR31-Y R      030RW31 K4PG0GY M 031TF                      30880038      00094             -300                A JS
SUSAP KCRPK4FR31-Y R      040         0   M  010CA                     3088        + 00244                               A JS
SUSAP KCRPK4FR31-Y R      050ATHISK4EA0EY    010DF                                  + 02000                               A JS
SUSAP KCRPK4FR31-Y R      060ATHISK4EA0EE  R020HM                      10700040    + 02000                               A JS
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 44 TDZE: 44	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 31
CORPUS CHRISTI, TX	AIRPORT NAME: CORPUS CHRISTI INTL	RNAV	RNAV (GPS) Y RWY 31, AMDT 3 23 SEP 2010	AMDT: 2 DATED: 03/15/2007

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCRPK4GRW31     0075083088 N27454389W097294995+0000     -0014300040000054150R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCRPK4PR31-Y RW31 001Y0000W31A0N2745438900W09729499500-00143030 0N2746479600W097305996001067504640005 40F4003505FEBCADC
          SUSAP KCRPK4PR31-Y RW31 002E      +00122+00122LPV       60914

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCRPK4SRW31 K4PG              0   18018002125                                                              M
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QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 31
CORPUS CHRISTI, TX	**ELEVATION: 44 TDZE: 44** AIRPORT NAME: **CORPUS CHRISTI INTL**	**RNAV**	**RNAV (GPS) Y RWY 31, AMDT 3** 23 SEP 2010	AMDT: 2 DATED: 03/15/2007

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SOLON (IAF)	HADON (FB)	328.41 / 8.24	2000
HADON (IF)	OSSOE (FB)	352.11 / 6.19	2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

CLIMB TO 2000 DIRECT FEKEL AND ON TRACK 302.42 TO ATHIS AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 107.00 INBOUND.
CHART FAS OBST: 181 ANT 274539N/0973011W
DISTANCE TO THLD FROM 200 HAT: 0.45 NM.
WAAS CHANNEL # 69617
REFERENCE PATH ID: W35A
CHART: CABANISS FIELD NOLF
CHART: CUDDIHY FIELD (PRIVATE)

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HADON
3. FAC: 352.11 FAF: OSSOE DIST FAF TO MAP: 5.88 THLD: 5.88
4. MIN. ALT: HADON 2000, OSSOE 2000, COKNU/1.30 NM TO RW35 500*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: OSSOE 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.1 34:1 IS CLEAR
8. MSA FROM: RW35 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	240	2400	200	240	2400	200	240	2400	200	240	2400	200	240	2400	200
LNAV/VNAV DA	558	6000	518	558	6000	518	558	6000	518	558	6000	518	558	6000	518
LNAV MDA	440	2400	400	440	2400	400	440	2400	400	440	5000	400	440	5000	400
CIRCLING	500	1	456	520	1	476	580	1 1/2	536	740	2 1/4	696	860	3	816

NOTES:
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO RVR 4000. LNAV/VNAV CAT E VISIBILITY TO 1 3/4, LNAV CAT D VISIBILITY TO RVR 6000, AND CAT E VISIBILITY TO 1 1/2 MILES.
@ CAT D 800-2 1/4, CAT E 900-3
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

CHECKED 4

CITY AND STATE	ELEVATION: 44 TDZE: 40 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35
CORPUS CHRISTI, TX	CORPUS CHRISTI INTL	RNAV	RNAV (GPS) Y RWY 35, AMDT 1A 23 SEP 2010	AMDT: 1 DATED 07/29/2010

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
***LNAV ONLY**
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SOLON ON V13-20-163 SOUTHBOUND.

SPARTA
4
CHECKED

CITY AND STATE		FACILITY IDENTIFIER	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
CORPUS CHRISTI, TX	**ELEVATION: 44 TDZE: 40** AIRPORT NAME: **CORPUS CHRISTI INTL**	**RNAV**	**RNAV (GPS) Y RWY 35, AMDT 1A** 23 SEP 2010	SUP: **RNAV (GPS) RWY 35** AMDT: **1** DATED: **07/29/2010**

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCRP
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	274546.5400N
LTP/FTP LONGITUDE	0972945.7100W
LTP/FTP ELLIPSOIDAL HEIGHT	-00145
FPAP LATITUDE	274647.7300N
FPAP LONGITUDE	0972946.7800W
THRESHOLD CROSSING HEIGHT (TCH)	00057.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0032
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	8A9CB0CF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00120
FPAP ORTHOMETRIC HEIGHT	+00120

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ATHIS K40    C   L N28042446W097501974                    E0047     NAR           ATHIS
        SUSAEAENRT   COKNU K40    W     N27442834W097294434                    E0046     NAR           COKNU
        SUSAEAENRT   FEKEL K40    W     N27492912W097294960                    E0046     NAR           FEKEL
        SUSAEAENRT   HADON K40    W     N27334053W097293305                    E0046     NAR           HADON
        SUSAEAENRT   OSSOE K40    C     N27395272W097293954                    E0046     NAR           OSSOE
        SUSAEAENRT   SOLON K40    C   L N27260977W097254157                    E0045     NAR           SOLON

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4ACRP     0     075YHN27461330W097300440E007000044         1800018000C    MNAR     CORPUS CHRISTI INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4FR35-Y ASOLON 010SOLONK4EA0E  A    IF                                                18000                A JS
        SUSAP KCRPK4FR35-Y ASOLON 020HADONK4EA0EE B 010TF                      32840082    + 02000                             A JS
        SUSAP KCRPK4FR35-Y R      010HADONK4EA0E  I    IF                               + 02000     18000                  A JS
        SUSAP KCRPK4FR35-Y R      020OSSOEK4EA1E  F 051TF                      35210062    + 02000                 RW35  K4PGA JS
        SUSAP KCRPK4FR35-Y R      020OSSOEK4EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
        SUSAP KCRPK4FR35-Y R      021COKNUK4EA0E S  031TF                      35210046    V 0050000512        -300            A JS
        SUSAP KCRPK4FR35-Y R      030RW35 K4PG0GY M 031TF                      35210013      00096             -300            A JS
        SUSAP KCRPK4FR35-Y R      040         0   M  010CA                     3521        + 00240                             A JS
        SUSAP KCRPK4FR35-Y R      050FEKELK4EA0E     010DF                                                                      A JS
        SUSAP KCRPK4FR35-Y R      060ATHISK4EA0EY    010TF                     3024        + 02000                             A JS
        SUSAP KCRPK4FR35-Y R      070ATHISK4EA0EE   R020HM                     10700040    + 02000                             A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4GRW35     0060803521 N27454654W097294571+0000     -0014500039000057150I

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4PR35-Y RW35  001Y0000W35A0N2745465400W09729457100-001450300N2746477300W097294678001067500320005 71F4003508A9CB0CF
```

CITY AND STATE	ELEVATION: 44 TDZE: 40	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35
CORPUS CHRISTI, TX	AIRPORT NAME: CORPUS CHRISTI INTL	RNAV	RNAV (GPS) Y RWY 35, AMDT 1A 23 SEP 2010	AMDT: 1 DATED: 07/29/2010

```
        SUSAP KCRPK4PR35-Y RW35 002E      +00120+00120LPV       69617

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCRPK4SRW35 K4PG              0   18018002125                                                              M
```

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35
CORPUS CHRISTI, TX	**ELEVATION: 44 TDZE: 40** AIRPORT NAME: **CORPUS CHRISTI INTL**	**RNAV**	**RNAV (GPS) Y RWY 35, AMDT 1A** 23 SEP 2010	AMDT: **1** DATED: **07/29/2010**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR/DME RNAV **STANDARD INSTRUMENT APPROACH PROCEDURE**

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

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	MDA	VIS	HAT/ HAA

NOTES:

SEP 23 2010

PROCEDURE CANCELLED EFFECTIVE ____

CITY AND STATE	ELEVATION 152 TDZE 152 / AIRPORT NAME	FACILITY IDENTIFIER	PROCEDURE NO / AMDT NO / EFFECTIVE DATE	SUP
HOUSTON, TX	DAVID WAYNE HOOKS MEMORIAL	IAH	NOV 01 2001 VOR/DME RNAV RWY 35L, AMDT 4	AMDT 3A DATE 4/20/00

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FLOYD	HOFOB (FB)	237.10 / 20.23	5200
SPADE	ONEXY (FB)	116.88 / 7.57	5100
HOFOB (IAF)	TUDPY (FB)	260.78 / 10.00	5100
ONEXY (IAF)	TUDPY (FB)	080.56 / 10.00	5100
TUDPY (IF)	ZIRIN (FB)	170.67 / 6.01	4400

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17R

CLIMB TO 5400 DIRECT ZOVOC AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT TUDPY
3. FAC: 170.67 FAF: ZIRIN DIST FAF TO MAP: 3.31 THLD: 3.31
4. MIN. ALT: TUDPY 5100, ZIRIN 4400
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4400 GS ALT AT: ZIRIN 4400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 53.2 34:1 IS CLEAR
8. MSA FROM: RW17R 5300

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 350.67 INBOUND.
CHART FAS OBST: 3330 TOWER 334142N/1015033W
CHART FAS OBST: 3346 ELEVATOR 334159N/1015003W
3504 AAO 334408N/1014839W
DISTANCE TO THLD FROM 200 HAT: 0.46 NM.
CHART VDP AT 1.02 MILES TO RW17R* *LNAV ONLY.
WAAS CHANNEL # 40028
REFERENCE PATH ID: W17A
CHART: ASR

MAG VAR: 9E 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	3482	2400	200	3482	2400	200	3482	2400	200	3482	2400	200	3482	2400	200
LNAV/VNAV DA	3591	2400	309	3591	2400	309	3591	2400	309	3591	4000	309	3591	4000	309
LNAV MDA	3600	2400	318	3600	2400	318	3600	2400	318	3600	5000	318	3600	5000	318
CIRCLING	3720	1	438	3740	1	458	3740	1 1/2	458	3840	2	558	3980	2 1/2	698

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV CATS D AND E VISIBILITY TO RVR 5000 AND INOP TABLE DOES NOT APPLY TO LNAV CATS D AND E.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 41C
SEE 8260-10

@ CAT E 800-2 1/2

QUALITY CHECK

CITY AND STATE	ELEVATION: 3282 TDZE: 3282	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17R
LUBBOCK, TX	AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 17R, AMDT 2 23 SEP 2010	AMDT: 1 DATED 09/01/2005

NOTES CONT.
(105F).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SPADE ON V62 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT FLOYD ON V278 EAST BOUND AND V14 NORTHEAST BOUND.

QUALITY 4 CHECKED

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLBB
RUNWAY	RW17R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	334056.4955N
LTP/FTP LONGITUDE	1014944.5300W
LTP/FTP ELLIPSOIDAL HEIGHT	+09754
FPAP LATITUDE	333859.1000N
FPAP LONGITUDE	1014943.7200W
THRESHOLD CROSSING HEIGHT (TCH)	00053.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0112
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	5992E360

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+10005
FPAP ORTHOMETRIC HEIGHT	+10005



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

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   FLOYD K40    R   L N33583419W101153606                    E0067     NAR          FLOYD
          SUSAEAENRT   HOFOB K40    W     N33501959W101374809                    E0068     NAR          HOFOB
          SUSAEAENRT   ONEXY K40    W     N33501266W102014869                    E0071     NAR          ONEXY
          SUSAEAENRT   SPADE K40    R   L N33543969W102091064                    E0071     NAR          SPADE
          SUSAEAENRT   TUDPY K40    W     N33501671W101494840                    E0069     NAR          TUDPY
          SUSAEAENRT   ZIRIN K40    W     N33441558W101494590                    E0069     NAR          ZIRIN
          SUSAEAENRT   ZOVOC K40    W     N33282335W101493935                    E0069     NAR          ZOVOC

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KLBBK4ALBB     0     115YHN33394910W101492200E009003282         1800018000C    MNAR    LUBBOCK PRESTON SMITH INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KLBBK4FR17RY AFLOYD 010FLOYDK4EA0E       IF                                          18000                A JS
          SUSAP KLBBK4FR17RY AFLOYD 020HOFOBK4EA0E  A 020TF                    23710202    + 05200                      A JS
          SUSAP KLBBK4FR17RY AFLOYD 030TUDPYK4EA0EE B 010TF                    26080100    + 05100                      A JS
          SUSAP KLBBK4FR17RY ASPADE 010SPADEK4EA0E       IF                                          18000                A JS
          SUSAP KLBBK4FR17RY ASPADE 020ONEXYK4EA0E  A 020TF                    11690076    + 05100                      A JS
          SUSAP KLBBK4FR17RY ASPADE 030TUDPYK4EA0EE B 010TF                    08060100    + 05100                      A JS
          SUSAP KLBBK4FR17RY R      010TUDPYK4EA0E  I    IF                                + 05100     18000            A JS
          SUSAP KLBBK4FR17RY R      020ZIRINK4EA1E  F 051TF                    17070060    + 04400             RW17RAK4PGA JS
          SUSAP KLBBK4FR17RY R      020ZIRINK4EA2WALPV       ALNAV/VNAV ALNAV                                              JS
          SUSAP KLBBK4FR17RY R      030RW17RK4PG0GY M 031TF                    17070033      03336          -300          A JS
          SUSAP KLBBK4FR17RY R      040         0  M  010CA                    1707        + 03482                      A JS
          SUSAP KLBBK4FR17RY R      050ZOVOCK4EA0EY   010DF                                + 05400                      A JS
          SUSAP KLBBK4FR17RY R      060ZOVOCK4EA0EE  R020HM                    35070050    + 05400                      A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KLBBK4GRW17R   0115001707 N33405650W101494453-0300    +09754032820000531501
```

CITY AND STATE	ELEVATION: 3282 TDZE: 3282	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17R
LUBBOCK, TX	AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 17R, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 09/01/2005

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4PR17RY RW17R001Y0000W17A0N3340564955W10149445300+097540300N3338591000W10149437200106750112000532F4003505992E360
        SUSAP KLBBK4PR17RY RW17R002E      +10005+10005LPV       40028

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4SRW17RK4PGA             0   18018005325                                                                  M
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CITY AND STATE	ELEVATION: 3282 TDZE: 3282	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17R
LUBBOCK, TX	AIRPORT NAME:	**RNAV**	**RNAV (GPS) Y RWY 17R, AMDT 2**	AMDT: 1
	LUBBOCK PRESTON SMITH INTL		23 SEP 2010	DATED: 09/01/2005

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MANIC	OGHUS (FB)	057.83 / 18.24	5200
RALLS	EMUMY (FB)	214.00 / 21.27	5200
EMUMY (IAF)	ZOVOC (FB)	260.78 / 10.00	5200
OGHUS (IAF)	ZOVOC (FB)	080.67 / 10.31	5200
ZOVOC (IF)	UFACI (FB)	350.67 / 6.28	4700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35L

CLIMB TO 5400 DIRECT TUDPY AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ZOVOC
3. FAC: 350.67 FAF: UFACI DIST FAF TO MAP: 4.35 THLD: 4.35
4. MIN. ALT: ZOVOC 5200, UFACI 4700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4700 GS ALT AT: UFACI 4700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.0 34:1 IS CLEAR
8. MSA FROM: RW35L 5300

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 170.67 INBOUND.
CHART FAS OBST: 3360 TOWER 333839N/1015022W
CHART FAS OBST: 3518 TOWER 333605N/1015017W
CHART 3570 TOWER 333448N/1015048W.
DISTANCE TO THLD FROM 200 HAT: 0.49 NM.
CHART VDP AT 1.64 MILES TO RW35L* *LNAV ONLY.
WAAS CHANNEL # 50128
REFERENCE PATH ID: W35A
CHART: ASR

MAG VAR: 9E 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	3454	3/4	200	3454	3/4	200	3454	3/4	200	3454	3/4	200	3454	3/4	200
LNAV/VNAV DA	3673	1 1/2	419	3673	1 1/2	419	3673	1 1/2	419	3673	1 1/2	419	3673	1 1/2	419
LNAV MDA	3820	3/4	566	3820	3/4	566	3820	1 1/2	566	3820	1 3/4	566	3820	2	566
CIRCLING	3820	1	538	3820	1	538	3820	1 1/2	538	3840	2	558	3980	2 1/2	698

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV, LNAV/VNAV ALL CATS AND LNAV CAT C.
@ CAT E 800-2 1/2
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 42C (107F).
SEE 8260-10

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3282 TDZE: 3254	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35L
LUBBOCK, TX	AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 35L, AMDT 2 23 SEP 2010	AMDT: 1 DATED 05/10/2007

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

NOTES CONT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MANIC ON V102 SOUTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RALLS ON V102 EAST BOUND.

CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
LUBBOCK, TX	ELEVATION: 3282 TDZE: 3254 AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 35L, AMDT 2 23 SEP 2010	SUP: RNAV (GPS) RWY 35L AMDT: 1 DATED: 05/10/2007

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLBB
RUNWAY	RW35L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	333902.7455N
LTP/FTP LONGITUDE	1014943.7405W
LTP/FTP ELLIPSOIDAL HEIGHT	+09633
FPAP LATITUDE	334056.5000N
FPAP LONGITUDE	1014944.5300W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	0F729972

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+09883
FPAP ORTHOMETRIC HEIGHT	+09883

QUALITY

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   EMUMY K40    W     N33282624W101374208                    E0068     NAR           EMUMY
          SUSAEAENRT   MANIC K40    R   L N33211063W102220177                    E0072     NAR           MANIC
          SUSAEAENRT   OGHUS K40    W     N33282039W102015893                    E0070     NAR           OGHUS
          SUSAEAENRT   RALLS K40    R   L N33440268W101202141                    E0067     NAR           RALLS
          SUSAEAENRT   TUDPY K40    W     N33501671W101494840                    E0069     NAR           TUDPY
          SUSAEAENRT   UFACI K40    W     N33344100W101494194                    E0069     NAR           UFACI
          SUSAEAENRT   ZOVOC K40    W     N33282335W101493935                    E0069     NAR           ZOVOC

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KLBBK4ALBB     0     115YHN33394910W101492200E009003282         1800018000C    MNAR    LUBBOCK PRESTON SMITH INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KLBBK4FR35LY AMANIC 010MANICK4EA0E       IF                                          18000                A JS
          SUSAP KLBBK4FR35LY AMANIC 020OGHUSK4EA0E  A 020TF                    05780182    + 05200                        A JS
          SUSAP KLBBK4FR35LY AMANIC 030ZOVOCK4EA0EE B 010TF                    08070103    + 05200                        A JS
          SUSAP KLBBK4FR35LY ARALLS 010RALLSK4EA0E       IF                                          18000                A JS
          SUSAP KLBBK4FR35LY ARALLS 020EMUMYK4EA0E  A 020TF                    21400213    + 05200                        A JS
          SUSAP KLBBK4FR35LY ARALLS 030ZOVOCK4EA0EE B 010TF                    26080100    + 05200                        A JS
          SUSAP KLBBK4FR35LY R      010ZOVOCK4EA0E  I    IF                                + 05200    18000               A JS
          SUSAP KLBBK4FR35LY R      020UFACIK4EA1E  F 051TF                    35070063    + 04700              RW35LAK4PGA JS
          SUSAP KLBBK4FR35LY R      020UFACIK4EA2WALPV       ALNAV/VNAV ALNAV                                               JS
          SUSAP KLBBK4FR35LY R      030RW35LK4PG0GY M 031TF                    35070044      03297          -300          A JS
          SUSAP KLBBK4FR35LY R      040         0  M  010CA                    3507        + 03454                        A JS
          SUSAP KLBBK4FR35LY R      050TUDPYK4EA0EY   010DF                                + 05400                        A JS
          SUSAP KLBBK4FR35LY R      060TUDPYK4EA0EE  R020HM                    17070050    + 05400                        A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KLBBK4GRW35L   0115003507 N33390275W101494374+0300    +0963303243000054150R
```

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 3282 TDZE: 3254	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 35L
LUBBOCK, TX	AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 35L, AMDT 2	AMDT: 1
			23 SEP 2010	DATED: 05/10/2007

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KLBBK4PR35LY RW35L001Y0000W35A0N3339027455W10149437405+096330300N3340565000W10149445300106750000000540F4003500F729972
    SUSAP KLBBK4PR35LY RW35L002E      +09883+09883LPV       50128

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KLBBK4SRW35LK4PGA             0   18018005325                                                                        M
```

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
LUBBOCK, TX	ELEVATION: 3282 TDZE: 3254 AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	RNAV	RNAV (GPS) Y RWY 35L, AMDT 2 23 SEP 2010	SUP: RNAV (GPS) RWY 35L AMDT: 1 DATED: 05/10/2007

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FLOYD	HOFOB (TF) (FB) (RNP 2.00)	237.10/20.23	5200
HOFOB (IAF)	TUDPY (TF) (FB) (RNP 1.00)	260.78/10.00	5100
SPADE	ONEXY (TF) (FB) (RNP 2.00)	116.88/7.57	5100
ONEXY (IAF)	TUDPY (TF) (FB) (RNP 1.00)	080.56/10.00	5100
TUDPY (IF)	ZIRIN (TF) (FB) (RNP 0.50)	170.67/6.01	4400
ZIRIN (FAF)	RW17R (TF) (FO)	170.67/3.31	
RW17R (MAP)	ZOVOC (TF) (FO) (RNP 1.00)	170.67/12.53	5400

MISSED APPROACH

MAP DA

CLIMB TO 5400 ON TRACK 170.67 TO ZOVOC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 350.67 INBOUND.
DISTANCE TO THLD FROM 256 HAT: 0.64NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 3335.60 (DO NOT CHART)

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT TUDPY
3. FAC: 170.67 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: TUDPY 5100
5. DIST TO THLD FROM OM: 3.31 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4400 GS ALT AT: ZIRIN 4400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 53.20# 34:1 IS CLEAR
8. MSA FROM: RW17R 5400

MAG VAR: 9E EPOCH YEAR: 1985

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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.16 DA	3538	2400	256	3538	2400	256	3538	2400	256	3538	2400	256			
RNP 0.30 DA	3589	2400	307	3589	2400	307	3589	2400	307	3589	2400	307			

NOTES: CHART NOTE: GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (10F) OR ABOVE 41C (106F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.16 ALL CATS VISIBILITY TO RVR 4000 AND RNP 0.30 ALL CATS VISIBILITY TO RVR 5000. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SPADE ON V62 NORTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT FLOYD ON V14 NORTHEAST BOUND AND V278 EAST BOUND.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3282 TDZE: 3282 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LUBBOCK, TX	LUBBOCK PRESTON SMITH INTL	RNAV	23 SEP 2010 RNAV (RNP) Z RWY 17R, ORIG	AMDT: NONE DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC PACKET - 424-18 - RNAV (RNP)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   FLOYD K40    R   L N33583419W101153606                E0067     NAR           FLOYD
          SUSAEAENRT   HOFOB K40    W     N33501959W101374809                E0069     NAR           HOFOB
          SUSAEAENRT   ONEXY K40    W     N33501266W102014869                E0071     NAR           ONEXY
          SUSAEAENRT   SPADE K40    R   L N33543969W102091064                E0071     NAR           SPADE
          SUSAEAENRT   TUDPY K40    W     N33501671W101494840                E0070     NAR           TUDPY
          SUSAEAENRT   ZIRIN K40    W     N33441558W101494590                E0070     NAR           ZIRIN
          SUSAEAENRT   ZOVOC K40    W     N33282335W101493935                E0069     NAR           ZOVOC

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KLBBK4ALBB      0     115YHN33394910W101492200E009003282         1800018000C    MNAR    LUBBOCK PRESTON SMITH INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KLBBK4FR17RZ AFLOYD 010FLOYDK4EAJE       IF                                          18000                A PS
          SUSAP KLBBK4FR17RZ AFLOYD 020HOFOBK4EAJE  A 020TF                    23710202    + 05200                      A PS
          SUSAP KLBBK4FR17RZ AFLOYD 030TUDPYK4EAJEE B 010TF                    26080100    + 05100                      A PS
          SUSAP KLBBK4FR17RZ ASPADE 010SPADEK4EAJE       IF                                          18000                A PS
          SUSAP KLBBK4FR17RZ ASPADE 020ONEXYK4EAJE  A 020TF                    11690076    + 05100                      A PS
          SUSAP KLBBK4FR17RZ ASPADE 030TUDPYK4EAJEE B 010TF                    08060100    + 05100                      A PS
          SUSAP KLBBK4FR17RZ R      010TUDPYK4EA0E  I    IF                                + 05100      18000           A PS
          SUSAP KLBBK4FR17RZ R      020ZIRINK4EA1E  F 051TF                    17070060    + 04400           RW17RBK4PGA PS
          SUSAP KLBBK4FR17RZ R      020ZIRINK4EA2W                                      A031A162                      PS
          SUSAP KLBBK4FR17RZ R      030RW17RK4PG0GY M 031TF                    17070033      03336          -300      A PS
          SUSAP KLBBK4FR17RZ R      040ZOVOCK4EA0EYM  010TF                    17070125    + 05400                      A PS
          SUSAP KLBBK4FR17RZ R      050ZOVOCK4EA0EE  R020HM                    35070050    + 05400                      A PS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KLBBK4GRW17R   0115001707 N33405650W101494453-0300    +097540328200005315OI

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KLBBK4SRW17RK4PGB              0   18018005425                                                                 M
```

CITY AND STATE	ELEVATION: **3282** TDZE: **3282**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LUBBOCK, TX	AIRPORT NAME: **LUBBOCK PRESTON SMITH INTL**	**RNAV**	**RNAV (RNP) Z RWY 17R, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RUKTE	JUNVA (TF) (FB) (RNP 2.00)	66.87/27.79	5200
JUNVA (IAF)	ZOVOC (TF) (FB) (RNP 0.90)	36.51/10.16	5200
RALLS	EMUMY (TF) (FB) (RNP 2.00)	214.00/21.27	5200
EMUMY (IAF)	ZOVOC (TF) (FB) (RNP 1.00)	260.78/10.00	5200
ZOVOC (IF)	UFACI (TF) (FB) (RNP 0.50)	350.67/6.28	4700
UFACI (FAF)	RW35L (TF) (FO)	350.67/4.35	
RW35L (MAP)	TUDPY (TF) (FO) (RNP 1.00)	350.67/11.21	5400

MISSED APPROACH

MAP DA

CLIMB TO 5400 ON TRACK 350.67 TO TUDPY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 170.67 INBOUND.
DISTANCE TO THLD FROM 303 HAT: 0.82 NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 3296.50 MSL (DO NOT CHART)

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ZOVOC
3. FAC: 350.67 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: ZOVOC 5200
5. DIST TO THLD FROM OM: 4.35 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4700 GS ALT AT: UFACI OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.0# 34:1 IS CLEAR
8. MSA FROM: RW35L 5400

MAG VAR: 9E 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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.18 DA	3557	3/4	303	3557	3/4	303	3557	3/4	303	3557	1	303			
RNP 0.30 DA*	3572	3/4	318	3572	3/4	318	3572	3/4	318	3572	1	318			
RNP 0.30 DA	3610	1 1/4	356	3610	1 1/4	356	3610	1 1/4	356	3610	1 1/4	356			

NOTES: CHART NOTE: *MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 425 FEET PER NM TO 5400. CHART NOTE: GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (10F) OR ABOVE 42C (108F). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RUKTE ON V102 SOUTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RALLS ON V102 EAST BOUND. CHART NOTE: FOR INOPERATIVE ODALS, INCREASE RNP 0.18 AND RNP 0.30* CATS A, B AND C VISIBILITY TO 1 MILE. CHART NOTE: WHEN VGSI INOP, RNP 0.18 NA.

CITY AND STATE	ELEVATION: 3282 TDZE: 3254 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LUBBOCK, TX	LUBBOCK PRESTON SMITH INTL	RNAV	23 SEP 2010 RNAV (RNP) Z RWY 35L, ORIG	AMDT: NONE DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (RNP)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EMUMY K40    W     N33282624W101374208                    E0068     NAR           EMUMY
        SUSAEAENRT   JUNVA K40    C   L N33211553W101581942                    E0070     NAR           JUNVA
        SUSAEAENRT   RALLS K40    R   L N33440268W101202141                    E0067     NAR           RALLS
        SUSAEAENRT   RUKTE K40    C   L N33143186W102303010                    E0073     NAR           RUKTE
        SUSAEAENRT   TUDPY K40    W     N33501571W101494840                    E0070     NAR           TUDPY
        SUSAEAENRT   UFACI K40    W     N33344100W101494194                    E0070     NAR           UFACI
        SUSAEAENRT   ZOVOC K40    W     N33282335W101493935                    E0069     NAR           ZOVOC

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4ALBB     0     115YHN33394910W101492200E009003282        18000180000C    MNAR    LUBBOCK PRESTON SMITH INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4FR35LZ ARALLS 010RALLSK4EA0E       IF                                          18000                A PS
        SUSAP KLBBK4FR35LZ ARALLS 020EMUMYK4EA0E  A 020TF                    21400213    + 05200                      A PS
        SUSAP KLBBK4FR35LZ ARALLS 030ZOVOCK4EA0EE B 010TF                    26080100    + 05200                      A PS
        SUSAP KLBBK4FR35LZ ARUKTE 010RUKTEK4EA0E       IF                                          18000                A PS
        SUSAP KLBBK4FR35LZ ARUKTE 020JUNVAK4EA0E  A 020TF                    06690278    + 05200                      A PS
        SUSAP KLBBK4FR35LZ ARUKTE 030ZOVOCK4EA0EE B 091TF                    03650102    + 05200                      A PS
        SUSAP KLBBK4FR35LZ R      010ZOVOCK4EA0E  I     IF                               + 05200     18000            A PS
        SUSAP KLBBK4FR35LZ R      020UFACIK4EA1E  F 051TF                    35070063    + 04700           RW35LBK4PGA PS
        SUSAP KLBBK4FR35LZ R      020UFACIK4EA2W                                    A031A182                          PS
        SUSAP KLBBK4FR35LZ R      030RW35LK4PG0GY M 031TF                    35070044      03297          -300       A PS
        SUSAP KLBBK4FR35LZ R      040TUDPYK4EA0EYM  010TF                    35070112    + 05400                      A PS
        SUSAP KLBBK4FR35LZ R      050TUDPYK4EA0EE  R020HM                    17070050    + 05400                      A PS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4GRW35L   0115003507 N33390275W101494374+0300    +09633032430000541 50R

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLBBK4SRW35LK4PGB              0   18018005425                                                                  M
```



CITY AND STATE	ELEVATION: 3282 TDZE: 3254	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LUBBOCK, TX	AIRPORT NAME: **LUBBOCK PRESTON SMITH INTL**	**RNAV**	**RNAV (RNP) Z RWY 35L, ORIG** 23 SEP 2010	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BARBA	ZURGU (FB)	225.11 / 14.76	3500
ZURGU (IAF)	VEYUR (FB)	290.61 / 5.26	3000
VEYUR (IF)	WOGUN (FB)	020.56 / 6.66	2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW02

CLIMB TO 3600 DIRECT FOMUS AND ON TRACK 080.78 TO BARES AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3600.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT VEYUR
3. FAC: 020.59 FAF: WOGUN DIST FAF TO MAP: 3.98 THLD: 3.98
4. MIN. ALT: VEYUR 3000, WOGUN 2000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: WOGUN 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR
8. MSA FROM: RW02 3600

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 080.78 INBOUND.
CHART FAS OBST: 803 TANK 310858N/0972455W
FAS OBST: 819 AAO 310614N/0972725W
CHART R-6302A .
CHART R-6302B.
DISTANCE TO THLD FROM 200 HAT: 0.49 NM.
CHART VDP AT 1.13 MILES TO RW02* *LNAV ONLY.
WAAS CHANNEL # 72701
REFERENCE PATH ID: W02A

MAG VAR: 7E 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	875	1	200	875	1	200	875	1	200	875	1	200			
LNAV/VNAV DA	1145	1 3/4	470	1145	1 3/4	470	1145	1 3/4	470	1145	1 3/4	470			
LNAV MDA	1080	1	405	1080	1	405	1080	1 1/4	405	1080	1 1/4	405			
CIRCLING	1120	1	438	1180	1	498	1180	1 1/2	498	1240	2	558			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING KILLEEN ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KILLEEN ALTIMETER SETTING AND INCREASE ALL DA 58 FEET AND ALL MDA 60 FEET. INCREASE LNAV CAT D VISIBILITY 1/4 MILE.

CITY AND STATE	AIRPORT	FACILITY IDENTIFIER	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
TEMPLE, TX	ELEVATION: 682 TDZE: 675 AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 2, AMDT 1 23 SEP 2010	SUP: AMDT: ORIG DATED 09/28/2006

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTPL
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	310851.8600N
LTP/FTP LONGITUDE	0972434.0900W
LTP/FTP ELLIPSOIDAL HEIGHT	+01785
FPAP LATITUDE	311010.9900N
FPAP LONGITUDE	0972345.9600W
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	1304
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	00EF2C3F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02056
FPAP ORTHOMETRIC HEIGHT	+02056

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
TEMPLE, TX	ELEVATION: 682 TDZE: 675 AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 2, AMDT 1 23 SEP 2010	SUP: AMDT: ORIG DATED: 09/28/2006

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BARBA K40    C   L N31060409W097112021                    E0043     NAR          BARBA
        SUSAEAENRT   BARES K40    C   L N31124483W097121710                    E0044     NAR          BARES
        SUSAEAENRT   FOMUS K40    W     N31122499W097222439                    E0045     NAR          FOMUS
        SUSAEAENRT   VEYUR K40    W     N30592476W097301830                    E0045     NAR          VEYUR
        SUSAEAENRT   WOGUN K40    W     N31051990W097264289                    E0045     NAR          WOGUN
        SUSAEAENRT   ZURGU K40    C   L N30565829W097245291                    E0045     NAR          ZURGU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4ATPL     0     063YHN31090900W097242800E007000682        1800018000C    MNAR    DRAUGHON-MILLER CENTRAL TEXAS

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4FR02   ABARBA 010BARBAK4EA0E       IF                                          18000                A JS
        SUSAP KTPLK4FR02   ABARBA 020ZURGUK4EA0E  A 020TF                    22510148    + 03500                      A JS
        SUSAP KTPLK4FR02   ABARBA 030VEYURK4EA0EE B 010TF                    29060053    + 03000                      A JS
        SUSAP KTPLK4FR02   AZURGU 010ZURGUK4EA0E  A    IF                                          18000                A JS
        SUSAP KTPLK4FR02   AZURGU 020VEYURK4EA0EE B 010TF                    29060053    + 03000                      A JS
        SUSAP KTPLK4FR02   R      010VEYURK4EA0E  I    IF                                + 03000   18000                A JS
        SUSAP KTPLK4FR02   R      020WOGUNK4EA1E  F 051TF                    02060067    + 02000             RW02  K4PGA JS
        SUSAP KTPLK4FR02   R      020WOGUNK4EA2WALPV       ALNAV/VNAV ALNAV                                            JS
        SUSAP KTPLK4FR02   R      030RW02 K4PG0GY M 031TF                    02060040      00719       -300          A JS
        SUSAP KTPLK4FR02   R      040         0  M  010CA                    0206        + 00875                      A JS
        SUSAP KTPLK4FR02   R      050FOMUSK4EA0E    010DF                                                            A JS
        SUSAP KTPLK4FR02   R      060BARESK4EA0EY   010TF                    0808        + 03600                      A JS
        SUSAP KTPLK4FR02   R      070BARESK4EA0EE  R020HM                    08080040    + 03600                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4GRW02    0047400206 N31085186W097243409-0200    +01785006740000045100R
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CITY AND STATE	ELEVATION: 682 TDZE: 675	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 2, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 09/28/2006

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KTPLK4PR02   RW02 001 0000W02A0N3108518600W09724340900+017850300N3110109900W097234596001067513040004 50F40035000EF2C3F
    SUSAP KTPLK4PR02   RW02 002E      +02056+02056LPV       72701

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KTPLK4SRW02 K4PG              0   18018003625                                                                  M
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CITY AND STATE	ELEVATION: 682 TDZE: 675	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 2, AMDT 1 23 SEP 2010	AMDT: ORIG
				DATED: 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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BARBA	IHSAZ (FO)	306.84 / 20.54	3000
CONRA	IHSAZ (FO)	342.46 / 20.54	3000
ACT VORTAC (IAF)	IHSAZ (NOPT) (FB)	201.91 / 22.14	3000
IHSAZ (IF/IAF)	IFDOH (FB)	155.58 / 6.02	2400

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW15

CLIMB TO 3600 DIRECT FADXY AND ON TRACK 069.88 TO BARBA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3600.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW IHSAZ, LT, 155.58 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 155.59 FAF: IFDOH DIST FAF TO MAP: 5.18 THLD: 5.18
4. MIN. ALT: IHSAZ 3000, IFDOH 2400, CUMIX/1.70 NM TO RW15 1240*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2400 GS ALT AT: IFDOH 2400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR
8. MSA FROM: RW15 3600

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 069.88 INBOUND.
CHART FAS OBST: 701 TREE 310942N/0972439W
CHART FAS OBST: 769 TREE 311121N/0972556W
CHART HOOD MOA.
CHART R-6302A.
CHART R-6302B.
DISTANCE TO THLD FROM 200 HAT: 0.49 NM.
CHART VDP AT 0.98 MILES TO RW15* *LNAV ONLY.
WAAS CHANNEL # 78101
REFERENCE PATH ID: W15A

MAG VAR: 7E 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	882	1/2	200	882	1/2	200	882	1/2	200	882	1/2	200			
LNAV/VNAV DA	1025	3/4	343	1025	3/4	343	1025	3/4	343	1025	3/4	343			
LNAV MDA	1040	1/2	358	1040	1/2	358	1040	1/2	358	1040	1	358			
CIRCLING	1120	1	438	1180	1	498	1180	1 1/2	498	1240	2	558			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING KILLEEN ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KILLEEN ALTIMETER SETTING AND INCREASE
SEE 8260-10

CITY AND STATE	AIRPORT	FACILITY IDENTIFIER	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
TEMPLE, TX	ELEVATION: 682 TDZE: 682 AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 15, AMDT 2 23 SEP 2010	SUP: AMDT: 1 DATED 09/28/2006

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
ALL DA 58 FEET AND ALL MDA 60 FEET, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING KILLEEN ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY 1/2 MILE AND LNAV CAT D VISIBILITY 1/4 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 682 TDZE: 682	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 15, AMDT 2 23 SEP 2010	AMDT: 1
				DATED: 09/28/2006

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTPL
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	310935.9700N
LTP/FTP LONGITUDE	0972443.7800W
LTP/FTP ELLIPSOIDAL HEIGHT	+01808
FPAP LATITUDE	310829.6700N
FPAP LONGITUDE	0972419.6400W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	111.00
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	05633DFA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02080
FPAP ORTHOMETRIC HEIGHT	+02080

QUALITY CHECKED 9

CITY AND STATE	ELEVATION: 682 TDZE: 682	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 15, AMDT 2 23 SEP 2010	AMDT: 1
				DATED: 09/28/2006

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD        ACT   K4011530VTHA N31394440W097160850    N31394440W097160850E0090005102     NARWACO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BARBA K40    C   L N31060409W097112021                    E0043     NAR           BARBA
        SUSAEAENRT   CONRA K40    R   L N31000459W097241509                    E0045     NAR           CONRA
        SUSAEAENRT   CUMIX K40    W     N31111352W097251932                    E0045     NAR           CUMIX
        SUSAEAENRT   FADXY K40    W     N31034875W097223751                    E0045     NAR           FADXY
        SUSAEAENRT   IFDOH K40    W     N31143310W097263209                    E0045     NAR           IFDOH
        SUSAEAENRT   IHSAZ K40    W     N31201862W097283830                    E0045     NAR           IHSAZ

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4ATPL     0     070YHN31090900W097242800E007000682         1800018000C    MNAR    DRAUGHON-MILLER CENTRAL TEXAS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4FR15   AACT   010ACT  K4D 0V  A    IF                                                  18000                A JS
        SUSAP KTPLK4FR15   AACT   020IHSAZK4EA0EE B 010TF                    20190221    + 03000                                A JS
        SUSAP KTPLK4FR15   ABARBA 010BARBAK4EA0E       IF                                                  18000                A JS
        SUSAP KTPLK4FR15   ABARBA 020IHSAZK4EA0EY   020TF                    30680205    + 03000                                A JS
        SUSAP KTPLK4FR15   ABARBA 030IHSAZK4EA0EE AL   HF                    15560040    + 03000                                A JS
        SUSAP KTPLK4FR15   ACONRA 010CONRAK4EA0E       IF                                                  18000                A JS
        SUSAP KTPLK4FR15   ACONRA 020IHSAZK4EA0EY   020TF                    34250205    + 03000                                A JS
        SUSAP KTPLK4FR15   ACONRA 030IHSAZK4EA0EE AL   HF                    15560040    + 03000                                A JS
        SUSAP KTPLK4FR15   R      010IHSAZK4EA0E  I    IF                                + 03000     18000                      A JS
        SUSAP KTPLK4FR15   R      020IFDOHK4EA1E  F 051TF                    15560060    + 02400                 RW15  K4PGA  A JS
        SUSAP KTPLK4FR15   R      020IFDOHK4EA2WALPV       ALNAV/VNAV ALNAV                                                       JS
        SUSAP KTPLK4FR15   R      021CUMIXK4EA0E S   031TF                    15560035    V 0124001271        -300               A JS
        SUSAP KTPLK4FR15   R      030RW15 K4PG0GY M 031TF                     15560017      00727             -300               A JS
        SUSAP KTPLK4FR15   R      040          0  M  010CA                    1556        + 00882                              A JS
        SUSAP KTPLK4FR15   R      050FADXYK4EA0E    010DF                                                                      A JS
        SUSAP KTPLK4FR15   R      060BARBAK4EA0EY   010TF                    0698        + 03600                                A JS
```



CITY AND STATE	ELEVATION: 682 TDZE: 682	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 15, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 09/28/2006

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
        SUSAP KTPLK4FR15   R      070BARBAK4EA0EE  R020HM                  06990040    + 03600                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4GRW15    0070001556 N31093597W097244378-0200    +01808006820000601501

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4PR15   RW15 001 0000W15A0N3109359700W09724437800+018080300N3108296700W0972419640011100000800045OF40035005633DFA
        SUSAP KTPLK4PR15   RW15 002E      +02080+02080LPV       78101

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4SRW15 K4PG              0   18018003625                                                                  M
```

CITY AND STATE	ELEVATION: 682 TDZE: 682	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 15, AMDT 2	AMDT: 1
	DRAUGHON-MILLER CENTRAL TEXAS RGNL		23 SEP 2010	DATED: 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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SLIMM	FBURG (FB)	071.73 / 41.35	3100
DARTE	FBURG (FB)	357.77 / 10.60	3000
BARBA	HUHIF (FB)	198.71 / 7.22	3000
FBURG (IAF)	ESWUL (FB)	065.60 / 5.00	3000
HUHIF (IAF)	ESWUL (FB)	245.70 / 5.00	3000
ESWUL (IF)	FADXY (FB)	335.65 / 6.02	2300

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

CLIMB TO 3000 DIRECT IHSAZ AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ESWUL
3. FAC: 335.64 FAF: FADXY DIST FAF TO MAP: 4.90 THLD: 4.90
4. MIN. ALT: ESWUL 3000, FADXY 2300, IYUJY/1.70 NM TO RW33 1260*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2300 GS ALT AT: FADXY 2300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR
8. MSA FROM: RW33 3600

ADDITIONAL FLIGHT DATA:
HOLD NW, LT, 155.58 INBOUND.
CHART FAS OBST: 701 TREE 310825N/0972427W
CHART FAS OBST: 792 TOWER 310700N/0972338W
CHART HOOD MOA.
CHART R-6302A .
CHART R-6302B.
DISTANCE TO THLD FROM 200 HAT: 0.49 NM.
CHART VDP AT 1.15 MILES TO RW33* *LNAV ONLY.
WAAS CHANNEL # 82401
REFERENCE PATH ID: W33A

MAG VAR: 7E 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	874	3/4	200	874	3/4	200	874	3/4	200	874	3/4	200			
LNAV/VNAV DA	951	1	277	951	1	277	951	1	277	951	1	277			
LNAV MDA	1060	1	386	1060	1	386	1060	1	386	1060	1 1/4	386			
CIRCLING	1120	1	438	1180	1	498	1180	1 1/2	498	1240	2	558			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING KILLEEN ALTIMETER SETTING.
SEE 8260-10

QUALITY CHECKED

CITY AND STATE	ELEVATION: 682 TDZE: 674	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 33, AMDT 2 23 SEP 2010	AMDT: 1
				DATED 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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KILLEEN ALTIMETER SETTING AND INCREASE ALL DA 58 FEET AND ALL MDA 60 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS AND LNAV CATS C AND D VISIBILITY 1/4 MILE.

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 682 TDZE: 674	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: **DRAUGHON-MILLER CENTRAL TEXAS RGNL**	**RNAV**	**RNAV (GPS) RWY 33, AMDT 2** 23 SEP 2010	AMDT: **1**
				DATED: **09/28/2006**

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTPL
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	310829.8500N
LTP/FTP LONGITUDE	0972419.7100W
LTP/FTP ELLIPSOIDAL HEIGHT	+01768
FPAP LATITUDE	310955.0700N
FPAP LONGITUDE	0972450.7300W
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	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	1A348612

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02039
FPAP ORTHOMETRIC HEIGHT	+02039

QUALITY CHECKED

CITY AND STATE	ELEVATION: 682 TDZE: 674	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 33, AMDT 2 23 SEP 2010	AMDT: 1
				DATED: 09/28/2006

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BARBA K40    C   L N31060409W097112021                    E0043     NAR           BARBA
        SUSAEAENRT   DARTE K40    C   L N30455808W097270660                    E0045     NAR           DARTE
        SUSAEAENRT   ESWUL K40    W     N30580310W097203207                    E0044     NAR           ESWUL
        SUSAEAENRT   FADXY K40    W     N31034875W097223751                    E0045     NAR           FADXY
        SUSAEAENRT   FBURG K40    W     N30563332W097260504                    E0045     NAR           FBURG
        SUSAEAENRT   HUHIF K40    W     N30593265W097145893                    E0044     NAR           HUHIF
        SUSAEAENRT   IHSAZ K40    W     N31201862W097283830                    E0045     NAR           IHSAZ
        SUSAEAENRT   IYUJY K40    W     N31065229W097234422                    E0045     NAR           IYUJY
        SUSAEAENRT   SLIMM K40    R   L N30483587W098131407                    E0049     NAR           SLIMM

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4ATPL     0     070YHN31090900W097242800E007000682         18000018000C    MNAR    DRAUGHON-MILLER CENTRAL TEXAS

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4FR33   ABARBA 010BARBAK4EA0E       IF                                          18000                A JS
        SUSAP KTPLK4FR33   ABARBA 020HUHIFK4EA0E  A 020TF                    19870072    + 03000                       A JS
        SUSAP KTPLK4FR33   ABARBA 030ESWULK4EA0EE B 010TF                    24570050    + 03000                       A JS
        SUSAP KTPLK4FR33   ADARTE 010DARTEK4EA0E       IF                                          18000                A JS
        SUSAP KTPLK4FR33   ADARTE 020FBURGK4EA0E  A 020TF                    35780106    + 03000                       A JS
        SUSAP KTPLK4FR33   ADARTE 030ESWULK4EA0EE B 010TF                    06560050    + 03000                       A JS
        SUSAP KTPLK4FR33   ASLIMM 010SLIMMK4EA0E       IF                                          18000                A JS
        SUSAP KTPLK4FR33   ASLIMM 020FBURGK4EA0E  A 020TF                    07170414    + 03100                       A JS
        SUSAP KTPLK4FR33   ASLIMM 030ESWULK4EA0EE B 010TF                    06560050    + 03000                       A JS
        SUSAP KTPLK4FR33   R      010ESWULK4EA0E  I    IF                                 + 03000     18000             A JS
        SUSAP KTPLK4FR33   R      020FADXYK4EA1E  F 051TF                    33570060    + 02300                 RW33  K4PGA JS
        SUSAP KTPLK4FR33   R      020FADXYK4EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KTPLK4FR33   R      021IYUJYK4EA0E S  031TF                    33560032    V 0126001263       -300           A JS
        SUSAP KTPLK4FR33   R      030RW33 K4PG0GY M 031TF                    33560017      00719            -300           A JS
        SUSAP KTPLK4FR33   R      040         0  M  010CA                    3356        + 00874                       A JS
        SUSAP KTPLK4FR33   R      050IHSAZK4EA0EY   010DF                                 + 03000                       A JS
        SUSAP KTPLK4FR33   R      060IHSAZK4EA0EE  L020HM                    15560040    + 03000                       A JS
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CITY AND STATE	ELEVATION: 682 TDZE: 674	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	RNAV	RNAV (GPS) RWY 33, AMDT 2 23 SEP 2010	AMDT: 1 DATED: 09/28/2006

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4GRW33    0070003356 N31082985W097241971+0200    +0176800669000050150R

            1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4PR33   RW33 001 0000W33A0N3108298500W09724197100+017680300N3109550700W097245073001067506160000500F4003501A348612
        SUSAP KTPLK4PR33   RW33 002E      +02039+02039LPV       82401

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTPLK4SRW33 K4PG               0   18018003625                                                                  M
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CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
TEMPLE, TX	**ELEVATION: 682 TDZE: 674** AIRPORT NAME: **DRAUGHON-MILLER CENTRAL TEXAS RGNL**	**RNAV**	**RNAV (GPS) RWY 33, AMDT 2** 23 SEP 2010	SUP: AMDT: **1** DATED: **09/28/2006**

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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, 15, 20, 33 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 2 - CLIMB ON HEADING BETWEEN 085 CW TO 200 FROM DEPARTURE END OF RUNWAY OR CLIMB ON HEADING BETWEEN 200 CW TO 345 FROM DEPARTURE END OF RUNWAY TO 3600 BEFORE PROCEEDING ON COURSE OR MINIMUM CLIMB OF 250 FEET PER NM TO 3200 FOR ALL OTHER COURSES.

RWY 33 - CLIMB ON HEADING BETWEEN 070 CW TO 155 FROM DEPARTURE END OF RUNWAY OR CLIMB ON HEADING BETWEEN 155 CW TO 330 FROM DEPARTURE END OF RUNWAY TO 3600 BEFORE PROCEEDING ON COURSE OR MINIMUM CLIMB OF 240 FEET PER NM TO 3200 FOR ALL OTHER COURSES.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2, TREE 279' FROM DER, 362' RIGHT OF CENTERLINE, 11' AGL/680' MSL. BUSHES AND TREE BEGINNING 176' FROM DER, 416' LEFT OF CENTERLINE, UP TO 30' AGL/699' MSL.

NOTE: RWY 15, BUSH 60' FROM DER, 210' LEFT OF CENTERLINE, 11' AGL/680' MSL.

NOTE: RWY 20, HANGARS BEGINNING 548' FROM DER, 571' RIGHT OF CENTERLINE, UP TO 18' AGL/697' MSL.

NOTE: RWY 33, TREES BEGINNING 307' FROM DER, 474' RIGHT OF CENTERLINE, UP TO 32' AGL/701' MSL.

(4) CONTROLLING OBSTACLES:

RWY 2: 2541 MSL TOWER 311854.00N/0971937.00W, 2520 MSL TOWER 311919.20N/0971903.30W, 2550 MSL TOWER 311625.00N/0971315.00W, 2535 MSL TOWER 312017.00N/0971837.00W.

RWY 33: 2541 MSL TOWER 311854.00N/0971937.00W, 2520 MSL TOWER 311919.20N/0971903.30W, 2535 MSL TOWER 312017.00N/0971837.00W.

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
TEMPLE, TX	DRAUGHON-MILLER CENTRAL TEXAS RGNL	23 SEP 2010	4

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BARBA INT	TPL VOR/DME	289.00 / 13.77	2600
ACT VORTAC (IAF)	GEREL INT/10.40 DME (NOPT)	202.36 / 19.88	2400
GEREL INT/10.40 DME (IF)	TPL VOR/DME	158.00 / 10.40	1800

MISSED APPROACH

MAP: 3.03 MILES AFTER TPL VOR/DME OR AT 3.03 DME FIX

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 2300 DIRECT TPL VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 158.00 INBOUND.
CHART FAS OBST: 769 TREE 311121N/0972556W
CHART 789 TREE 311157N/0972617W.
CHART HOOD MOA.
CHART R-6302A.
CHART R-6302B.
CHART VDP AT 2.19 DME;
DISTANCE VDP TO THLD 0.84 MILES.
TPL VOR/DME TO RW15: 3.35/40.
CHART: MAX 6000 AT TPL VOR/DME.

1. PT L SIDE OF COURSE 338.42 OUTBOUND 2300 FT WITHIN 10 MILES OF TPL VOR/DME (IAF)
2.
3. FAC 158.42 FAF TPL VOR/DME DIST FAF TO MAP 3.03 THLD 3.03
4. MIN. ALT TPL VOR/DME 1800
8. MSA FROM: TPL VOR/DME 355-085 3600, 085-175 2300, 175-355 3100

MAG VAR: 9E 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
S-15	1020	1/2	338	1020	1/2	338	1020	1/2	338	1020	1	338			
CIRCLING	1120	1	438	1180	1	498	1180	1 1/2	498	1240	2	558			

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-15 CAT D.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING KILLEEN ALTIMETER SETTING, INCREASE S-15 CAT D VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: RADAR REQUIRED FOR PROCEDURE TURN.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE	ELEVATION: 682 TDZE: 682	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	TPL	VOR RWY 15, AMDT 18 23 SEP 2010	AMDT 17A
				DATE 02/21/2002

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KILLEEN ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.
CHART NOTE: VDP NA WITH KILLEEN ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ACT VORTAC ON V17 NORTHBOUND.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
TEMPLE, TX	**ELEVATION: 682 TDZE: 682** AIRPORT NAME: **DRAUGHON-MILLER CENTRAL TEXAS RGNL**	**TPL**	**VOR RWY 15, AMDT 18** 23 SEP 2010	SUP: AMDT: **17A** DATED: **02/21/2002**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ACT VORTAC	TPL VOR/DME	187.48 / 28.28	3600
BARES INT	TPL VOR/DME	260.00 / 11.33	3600
TPL VOR/DME	TOLUU INT/7.29 DME	157.09 / 7.29	2500
CWK VORTAC (IAF)	FITTS INT/17.36 DME (NOPT)	010.25 / 34.26	2500
FITTS INT/17.36 DME (IF)	TOLUU INT/7.29 DME	337.09 / 10.07 (TPL R-157)	1700

MISSED APPROACH

MAP: 3.11 MILES AFTER TOLUU INT/7.29 DME OR AT 4.18 DME FIX

CLIMB TO 2200 DIRECT TPL VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 158.00 INBOUND.
CHART FAS OBST: 792 TOWER 310700N/0972338W
CHART R-6302B.
CHART R-6302A.
TOLUU TO RW33: 3.00/40.

1. PT R SIDE OF COURSE 157.09 OUTBOUND 2500 FT WITHIN 10 MILES OF TOLUU (IAF)
2.
3. FAC 337.09 FAF TOLUU INT/7.29 DME DIST FAF TO MAP 3.11 THLD 3.11
4. MIN. ALT TOLUU 1700, JIVTU INT/5.78 DME 1200*
8. MSA FROM: TPL VOR/DME 355-085 3600, 085-175 2300, 175-355 3100

MAG VAR: 9E EPOCH YEAR:1965

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
S-33	1200	1	526	1200	1	526	1200	1 1/2	526	1200	1 3/4	526			
CIRCLING	1200	1	518	1200	1	518	1200	1 1/2	518	1240	2	558			
JIVTU FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)															
S-33	1060	1	386	1060	1	386	1060	1	386	1060	1 1/4	386			
CIRCLING	1120	1	438	1180	1	498	1180	1 1/2	498	1240	2	558			

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KILLEEN ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE JIVTU FIX MINIMUMS S-33 CATS C AND D VISIBILITY 1/4 MILE.
*1260 WHEN USING KILLEEN ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 682 TDZE: 674	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
TEMPLE, TX	AIRPORT NAME: DRAUGHON-MILLER CENTRAL TEXAS RGNL	TPL	VOR RWY 33, AMDT 4 23 SEP 2010	AMDT 3
				DATE 02/21/2002

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.



CITY AND STATE	ELEVATION: 682 TDZE: 674 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TEMPLE, TX	**DRAUGHON-MILLER CENTRAL TEXAS RGNL**	**TPL**	**VOR RWY 33, AMDT 4** 23 SEP 2010	AMDT: **3**
				DATED: **02/21/2002**

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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 23 SEP 2010

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 511	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
WACO, TX	AIRPORT NAME: **WACO REGIONAL**	**GPS**	**GPS RWY 1, ORIG-B, 05/17/2001**	AMDT **ORIG**
				DATE **12/30/99**

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

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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 23 SEP 2010

QUALITY CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 505	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
WACO, TX	AIRPORT NAME: **WACO REGIONAL**	**GPS**	**GPS RWY 19, ORIG-B, 05/17/2001**	AMDT **ORIG**
				DATE **12/30/99**

FAA FORM 8260-5 / 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.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CQY VORTAC (IAF)	WESLI INT/I-ACT 17.00 DME	242.98 / 50.93	2800
JEN VORTAC (IAF)	WESLI INT/I-ACT 17.00 DME	108.26 / 40.85	2800
WESLI INT/I-ACT 17.00 DME (IF)	COFFI INT/I-ACT 6.05 DME	187.23 / 10.95 (I-ACT)	2100

MISSED APPROACH

ILS: DA
LOC: 4.78 MILES AFTER COFFI INT/I-ACT 6.05 DME OR AT I-ACT 1.27 DME FIX

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 VIA ACT VORTAC R-164 TO BOSEL INT/ACT VORTAC 14.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000, OR AS DIRECTED BY ATC.
ALTERNATE MA: CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 171 FOR RADAR VECTORS.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 344.00 INBOUND.
FAS OBST: 639 AAO 314051N/0971258W
CHART: ASR
CHART VDP AT 2.33 DME*;
DISTANCE VDP TO THLD 1.06 MILES.
*LOC ONLY

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT WESLI INT/I-ACT 17.00 DME
3. FAC: 187.23 FAF: COFFI INT/I-ACT 6.05 DME DIST FAF TO MAP: 4.78 THLD: 4.78
4. MIN. ALT: WESLI 2800, COFFI 2100
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1140
6. MIN GS INCPT: 2100 GS ALT AT: COFFI INT/I-ACT 6.05 DME 2100 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 54.5
8. MSA FROM: ACT VORTAC 090-270 3600, 270-090 2500

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 19	**704	2400	200	**704	2400	200	**704	2400	200	**704	2400	200			
S-LOC 19	900	2400	396	900	2400	396	900	2400	396	900	4000	396			
CIRCLING	940	1	424	980	1	464	980	1 1/2	464	1080	2	564			

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE MC GREGOR EXECUTIVE ALTIMETER SETTING AND INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET; INCREASE S-LOC 19 CAT C VISIBILITY TO RVR 4000, AND CAT D VISIBILITY TO RVR 5000.
CHART NOTE: ** RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.
SEE 8260-10

@ NA WHEN CONTROL TOWER CLOSED.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 504	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	I-ACT	ILS OR LOC RWY 19, AMDT 16 23 SEP 2010	AMDT: 15C
				DATED 04/10/2008

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 aiport 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 JEN VORTAC AIRWAY RADIAL 128.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CQY VORTAC AIRWAY RADIAL 234.
CHART NOTE: VDP NA WITH MC GREGOR EXECUTIVE ALTIMETER SETTING.

QUALITY 2 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
WACO, TX	**ELEVATION: 516 TDZE: 504** AIRPORT NAME: **WACO RGNL**	**I-ACT**	**ILS OR LOC RWY 19, AMDT 16** 23 SEP 2010	SUP: AMDT: **15C** DATED: **04/10/2008**

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 WACO ASR MINIMUM VECTORING ALTITUDE CHART											

MISSED APPROACH

MAP: **RWY 1, 14, 19, 32 THLD**

RWY 1: CLIMB TO 2000 THEN LEFT TURN DIRECT ACT VORTAC.

RWY 14: CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 2000 DIRECT ACT VORTAC.

RWY 19, 32: CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 2000 DIRECT ACT VORTAC.

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
ASR S-1	860	1	351	860	1	351	860	1	351	860	1 1/4	351			
ASR S-14	920	1	407	920	1	407	920	1 1/4	407	920	1 1/4	407			
ASR S-19	880	2400	376	880	2400	376	880	2400	376	880	5000	376			
ASR S-32	1020	1	504	1020	1	504	1020	1 1/2	504	1020	1 1/2	504			
CIRCLING	1020	1	504	1020	1	504	1020	1 1/2	504	1080	2	564			

NOTES:
RWY 1: 15 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000. FAF 5 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000; MINIMUM ALTITUDE 2 MILE FIX 1100; FINAL APPROACH COURSE 007.
RWY 14: 15 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000. FAF 5 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000; MINIMUM ALTITUDE 2.5 MILE FIX 1240; FINAL APPROACH COURSE 142.
RWY 19: FAF 5 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000; MINIMUM ALTITUDE 2 MILE FIX 1100; FINAL APPROACH COURSE 187.
RWY 32: 15 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000. FAF 5 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000; MINIMUM ALTITUDE 3 MILE FIX 1400; FINAL APPROACH COURSE 322.
RECOMMENDED ALTITUDE (ALL RUNWAYS): 4 MILES 1700; 3 MILES 1400; 2 MILES 1100.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-19 CAT D VISIBILITY TO RVR 6000.

LOST COMMUNICATIONS (ALL RWYS): **AS DIRECTED BY ATC ON INITIAL CONTACT.**

ADDITIONAL FLIGHT DATA

TDZE: **509**	RWY: **1**	TDZE: **513**	RWY: **14**
TDZE: **504**	RWY: **19**	TDZE: **516**	RWY: **32**

FAS OBST:
RWY 1 FAS OBST: 609 TREE 313426N/0971526W
RWY 14 FAS OBST: 659 TREE 313813N/0971608W
RWY 19 FAS OBST: 619 TREE 313746N/0971435W
RWY 32 FAS OBST: 759 AAO 313408N/0971043W

MAG VAR: **7E** EPOCH YEAR: **85**

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 516 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
WACO, TX	**WACO RGNL**	**ACT ASR**	23 SEP 2010 **RADAR-1 AMDT 4**	AMDT: **3** DATED: **4/6/95**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ASR

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES

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

CHART NOTE: WHEN CONTROL TOWER CLOSED, ASR NA.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
			23 SEP 2010	AMDT: 3
WACO, TX	WACO RGNL	ACT ASR	RADAR-1 AMDT 4	DATED: 4/6/95

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SATTY	XAFLE (FB)	281.88 / 8.84	3000
XAFLE (IAF)	SHAIL (FB)	277.25 / 5.00	3000
SHAIL (IF)	URNER (FB)	007.20 / 6.34	2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW01

CLIMB TO 3000 DIRECT CHRUS AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 187.26 INBOUND.
CHART FAS OBST: 589 TREE 313614N/0971404W
CHART FAS OBST: 599 TREE 313622N/0971413W
CHART: ASR
DISTANCE TO THLD FROM 250 HAT: 0.62 NM.
CHART VDP AT 0.93 MILES TO RW01* *LNAV ONLY.
WAAS CHANNEL # 65919
REFERENCE PATH ID: W01A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT SHAIL
3. FAC: 007.22 FAF: URNER DIST FAF TO MAP: 4.46 THLD: 4.46
4. MIN. ALT: SHAIL 3000, URNER 2000, YAYUC/2.00 NM TO RW01 1200*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: URNER 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.0 34:1 IS NOT CLEAR
8. MSA FROM: RW01 3600

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	759	3/4	250	759	3/4	250	759	3/4	250	759	3/4	250			
LNAV/VNAV DA	859	1 1/4	350	859	1 1/4	350	859	1 1/4	350	859	1 1/4	350			
LNAV MDA	860	1	351	860	1	351	860	1	351	860	1 1/4	351			
CIRCLING	940	1	424	980	1	464	980	1 1/2	464	1080	2	564			

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.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE MC GREGOR EXECUTIVE ALTIMETER SETTING SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 516 TDZE: 509	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 1, ORIG 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
AND INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET; INCREASE LPV ALL CATS VISIBILITY 1/4 MILE.
CHART NOTE: VDP AND BARO-VNAV NA WITH MC GREGOR EXECUTIVE ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SATTY ON V15 SOUTHEAST BOUND.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 509	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: **WACO RGNL**	**RNAV**	**RNAV (GPS) RWY 1, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KACT
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	313612.7200N
LTP/FTP LONGITUDE	0971347.8400W
LTP/FTP ELLIPSOIDAL HEIGHT	+01278
FPAP LATITUDE	313739.2700N
FPAP LONGITUDE	0971322.1900W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0584
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	2477EB21

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01550
FPAP ORTHOMETRIC HEIGHT	+01550

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 509	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 1, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   CHRUS K40    W     N31475033W097102073                      E0044     NAR           CHRUS
         SUSAEAENRT   SATTY K40    C   L N31213770W097012791                      E0043     NAR           SATTY
         SUSAEAENRT   SHAIL K40    W     N31254320W097165401                      E0044     NAR           SHAIL
         SUSAEAENRT   URNER K40    W     N31315285W097150478                      E0044     NAR           URNER
         SUSAEAENRT   XAFLE K40    W     N31242932W097111417                      E0044     NAR           XAFLE
         SUSAEAENRT   YAYUC K40    W     N31341615W097142237                      E0044     NAR           YAYUC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KACTK4AACT     0     071YHN31364390W097134910E007000516         1800018000C    MNAR    WACO RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KACTK4FR01   ASATTY 010SATTYK4EA0E       IF                                          18000               A JS
         SUSAP KACTK4FR01   ASATTY 020XAFLEK4EA0E  A 020TF                    28190088    + 03000                       A JS
         SUSAP KACTK4FR01   ASATTY 030SHAILK4EA0EE B 010TF                    27730050    + 03000                       A JS
         SUSAP KACTK4FR01   R      010SHAILK4EA0E  I    IF                               + 03000     18000             A JS
         SUSAP KACTK4FR01   R      020URNERK4EA1E  F 051TF                    00720063    + 02000                 RW01  K4PGA JS
         SUSAP KACTK4FR01   R      020URNERK4EA2WALPV      ALNAV/VNAV ALNAV                                              JS
         SUSAP KACTK4FR01   R      021YAYUCK4EA0E S  031TF                    00720025    V 0120001204       -300       A JS
         SUSAP KACTK4FR01   R      030RW01 K4PG0GY M 031TF                    00720020      00563            -300       A JS
         SUSAP KACTK4FR01   R      040         0  M  010CA                    0072        + 00759                      A JS
         SUSAP KACTK4FR01   R      050CHRUSK4EA0EY   010DF                               + 03000                       A JS
         SUSAP KACTK4FR01   R      060CHRUSK4EA0EE  R020HM                    18730040    + 03000                       A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KACTK4GRW01    0071070072 N31361272W097134784-0100    +0127800509000054150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KACTK4PR01   RW01 001 0000W01A0N3136127200W09713478400+012780300N3137392700W0971322190010675058400054 0F4005002477EB21
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 509	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 1, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

```
      SUSAP KACTK4PR01   RW01 002E      +01550+01550LPV       65919

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
      ------------------------------------------------------------------------------------------------------------------------------
      SUSAP KACTK4SRW01 K4PG              0   18018003625                                                              M
```



CITY AND STATE				
WACO, TX	ELEVATION: 516 TDZE: 509 AIRPORT NAME: WACO RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 23 SEP 2010	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CELTC	WESLI (FB)	135.97 / 21.88	3000
IGORR	UTPIZ (FB)	085.16 / 10.18	3000
FEPHY (IAF)	CHRUS (FB)	277.32 / 6.32	3000
WESLI (IAF)	CHRUS (FB)	187.28 / 4.93	3000
UTPIZ (IAF)	CHRUS (FB)	097.21 / 5.00	3000
CHRUS (IF)	COFFI (FB)	187.26 / 6.02	2100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW19

CLIMB TO 4000 DIRECT YAYUC AND ON TRACK 171.69 TO BOSEL AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 344.00 INBOUND.
CHART FAS OBST: 599 TREE 313735N/0971358W
FAS OBST: 649 AAO 314048N/0971310W
CHART: ASR
DISTANCE TO THLD FROM 200 HAT: 0.46 NM.
CHART VDP AT 1.08 MILES TO RW19* *LNAV ONLY.
WAAS CHANNEL # 82119
REFERENCE PATH ID: W19A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CHRUS
3. FAC: 187.24 FAF: COFFI DIST FAF TO MAP: 4.78 THLD: 4.78
4. MIN. ALT: CHRUS 3000, COFFI 2100
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2100 GS ALT AT: COFFI 2100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.5 34:1 IS CLEAR
8. MSA FROM: RW19 3600

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	704	2400	200	704	2400	200	704	2400	200	704	2400	200			
LNAV/VNAV DA	869	4000	365	869	4000	365	869	4000	365	869	4000	365			
LNAV MDA	900	2400	396	900	2400	396	900	2400	396	900	5000	396			
CIRCLING	940	1	424	980	1	464	980	1 1/2	464	1080	2	564			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE MC GREGOR EXECUTIVE ALTIMETER SETTING AND INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET; INCREASE LNAV CAT C VISIBILITY TO RVR 4000.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY TO RVR 6000.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 516 TDZE: 504	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 19, ORIG 23 SEP 2010	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: VDP AND BARO-VNAV NA WITH MC GREGOR EXECUTIVE ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IGORR ON V17 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FEPHY ON V15-54 NORTHEAST BOUND.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 504	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: **WACO RGNL**	**RNAV**	**RNAV (GPS) RWY 19, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KACT
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	313720.9000N
LTP/FTP LONGITUDE	0971327.6400W
LTP/FTP ELLIPSOIDAL HEIGHT	+01259
FPAP LATITUDE	313612.7200N
FPAP LONGITUDE	0971347.8400W
THRESHOLD CROSSING HEIGHT (TCH)	00054.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	539096E2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01531
FPAP ORTHOMETRIC HEIGHT	+01531

QUALITY CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 504	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: WACO RGNL	RNAV	RNAV (GPS) RWY 19, ORIG 23 SEP 2010	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BOSEL K40    C   L N31254883W097140885                    E0044     NAR          BOSEL
        SUSAEAENRT   CELTC K40    C   L N32100914W097242372                    E0045     NAR          CELTC
        SUSAEAENRT   CHRUS K40    W     N31475033W097102073                    E0043     NAR          CHRUS
        SUSAEAENRT   COFFI K40    C     N31415961W097120497                    E0044     NAR          COFFI
        SUSAEAENRT   FEPHY K40    C   L N31461656W097030976                    E0043     NAR          FEPHY
        SUSAEAENRT   IGORR K40    C   L N31492787W097275855                    E0045     NAR          IGORR
        SUSAEAENRT   UTPIZ K40    W     N31490426W097160197                    E0044     NAR          UTPIZ
        SUSAEAENRT   WESLI K40    C     N31523768W097085509                    E0043     NAR          WESLI
        SUSAEAENRT   YAYUC K40    W     N31341615W097142237                    E0044     NAR          YAYUC

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4AACT     0     071YHN31364390W097134910E007000516      1800018000C    MNAR    WACO RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KACTK4FR19   ACELTC 010CELTCK4EA0E      IF                                          18000              A JS
        SUSAP KACTK4FR19   ACELTC 020WESLIK4EA0E  A 020TF                    13600219    + 03000                      A JS
        SUSAP KACTK4FR19   ACELTC 030CHRUSK4EA0EE B 010TF                    18730049    + 03000                      A JS
        SUSAP KACTK4FR19   AFEPHY 010FEPHYK4EA0E  A   IF                                          18000              A JS
        SUSAP KACTK4FR19   AFEPHY 020CHRUSK4EA0EE B 010TF                    27730063    + 03000                      A JS
        SUSAP KACTK4FR19   AIGORR 010IGORRK4EA0E      IF                                          18000              A JS
        SUSAP KACTK4FR19   AIGORR 020UTPIZK4EA0E  A 020TF                    08520102    + 03000                      A JS
        SUSAP KACTK4FR19   AIGORR 030CHRUSK4EA0EE B 010TF                    09720050    + 03000                      A JS
        SUSAP KACTK4FR19   R      010CHRUSK4EA0E  I   IF                                + 03000    18000             A JS
        SUSAP KACTK4FR19   R      020COFFIK4EA1E  F 051TF                    18730060    + 02100                RW19  K4PGA JS
        SUSAP KACTK4FR19   R      020COFFIK4EA2WALPV      ALNAV/VNAV ALNAV                                                JS
        SUSAP KACTK4FR19   R      030RW19 K4PG0GY M 031TF                    18720048      00557          -300          A JS
        SUSAP KACTK4FR19   R      040         0   M 010CA                    1872        + 00704                      A JS
        SUSAP KACTK4FR19   R      050YAYUCK4EA0E    010DF                                                            A JS
        SUSAP KACTK4FR19   R      060BOSELK4EA0EY   010TF                    1717        + 04000                      A JS
        SUSAP KACTK4FR19   R      070BOSELK4EA0EE  R020HM                    34400040    + 04000                      A JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 516 TDZE: 504	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	AIRPORT NAME: **WACO RGNL**	**RNAV**	**RNAV (GPS) RWY 19, ORIG** 23 SEP 2010	AMDT: **NONE**
				DATED:

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KACTK4GRW19    0071071872 N31372090W097132764+0100    +01259005020000551501

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KACTK4PR19   RW19 001 0000W19A0N3137209000W09713276400+012590300N3136127200W097134784001067500000000545F400350539096E2
       SUSAP KACTK4PR19   RW19 002E      +01531+01531LPV       82119

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KACTK4SRW19 K4PG              0   18018003625                                                                M
```

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	**ELEVATION: 516 TDZE: 504** AIRPORT NAME: **WACO RGNL**	**RNAV**	**RNAV (GPS) RWY 19, ORIG** 23 SEP 2010	AMDT: **NONE** DATED:

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. 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 1, 14, 19, 32 - STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1, RISING TERRAIN BEGINNING 11' FROM DER, 34' RIGHT OF CENTERLINE, UP TO 504' MSL. POLE 1170' FROM DER, 593' LEFT OF CENTERLINE, 34' AGL/534' MSL. TREE 1674' FROM DER, 794' RIGHT OF CENTERLINE, 80' AGL/581' MSL.
NOTE: RWY 19, ROD 590' FROM DER, 257' RIGHT OF CENTERLINE, 40' AGL/524' MSL.
NOTE: RWY 32, TREES BEGINNING 501' FROM DER, 17' LEFT OF CENTERLINE, UP TO 70' AGL/562' MSL. TREES BEGINNING 836' FROM DER, 30' RIGHT OF CENTERLINE, UP TO 80' AGL/609' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY 2

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
WACO, TX	WACO RGNL	23 SEP 2010	ORIG

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MRB VORTAC (IAF)	STILL INT/I-JYO 12.28 DME	133.97 / 12.28	3000
STILL INT/I-JYO 12.28 DME (IF)	DANMO INT/I-JYO 6.27 DME	171.29 / 6.01 (I-JYO)	2300

MISSED APPROACH

MAP: 5.19 MILES AFTER DANMO INT/JYO 6.27 DME OR AT I-JYO 1.08 DME FIX

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 VIA HEADING 340.00 AND MRB VORTAC R-158 TO GAWDD INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000; OR AS DIRECTED BY ATC, ALTERNATE MA: CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 4000 HEADING 293.00 AND CSN VORTAC R-015 TO GAWDD INT AND HOLD S, RT, 015.38 INBOUND.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 157.56 INBOUND.
CHART: ALTERNATE MA HOLDING, HOLD S GAWDD INT, RT, 015.38 INBOUND.
CHART FAS OBST: 569 TREE 390710N/0773501W
CHART 759 TREE 390743N/0773503W.
CHART WASHINGTON DC METROPOLITAN ADIZ.
DANMO TO RW17: 3.41/45.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT STILL
3. FAC 171.29 FAF DANMO INT/I-JYO 6.27 DME DIST FAF TO MAP 5.19 THLD 5.19
4. MIN. ALT STILL 3000, DANMO 2300, PEARC/I-JYO 3.40 DME 1240*
8. MSA FROM: AML VORTAC 360-180 2500, 180-360 3400

MAG VAR: 10W EPOCH YEAR: 1995

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-17	1240	1	857	1240	1 1/4	857	1240	2 1/2	857	1240	2 3/4	857			
CIRCLING	1240	1	851	1240	1 1/4	851	1240	2 1/2	851	1240	2 3/4	851			
PEARC FIX MINIMUMS															
S-17	820	1	437	820	1	437	820	1 1/4	437	820	1 1/2	437			
CIRCLING	840	1	451	840	1	451	860	1 1/2	471	1040	2	651			

NOTES:

CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 17 PROCEDURE NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
SEE 8260-10

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

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 389 TDZE: 383 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
LEESBURG, VA	LEESBURG EXECUTIVE	I-JYO	LOC RWY 17, AMDT 3 23 SEP 2010	AMDT 2B
				DATE 04/10/2008

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

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WASHINGTON DULLES INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE S-17 AND CIRCLING CAT A, C AND D VISIBILITIES 1/4 MILE AND INCREASE PEARC FIX MINIMUMS CIRCLING CAT D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: WASHINGTON DC ADIZ CTC POTOMAC APP CON.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MRB VORTAC AIRWAY RADIALS 088 CW 137.

***1280 WHEN USING WASHINGTON DULLES INTL ALTIMETER SETTING.**

ORIGINAL 2 CHECKED

CITY AND STATE	ELEVATION: 389 TDZE: 383	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LEESBURG, VA	AIRPORT NAME: LEESBURG EXECUTIVE	I-JYO	LOC RWY 17, AMDT 3 23 SEP 2010	AMDT: 2B
				DATED: 04/10/2008

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HOAGE	GAWDD (FB)	078.38 / 17.43	4000
RAYEE	BICAG (FB)	337.80 / 15.53	3400
GAWDD (IAF)	CACAS (NOPT) (FB)	081.18 / 5.00	2800
MRB VORTAC (IAF)	CACAS (NOPT) (FB)	136.98 / 12.29	2800
BICAG (IAF)	CACAS (NOPT) (FB)	261.30 / 5.00	2800
CACAS (IF/IAF)	JOTUP (FB)	171.24 / 2.63	2500
JOTUP	DANMO (FB)	171.25 / 3.38	2100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

CLIMB TO 4000 DIRECT CAULK AND RIGHT TURN ON TRACK 261.29 TO DROBB AND RIGHT TURN ON TRACK 005.22 TO GAWDD AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 081.18 INBOUND.
CHART FAS OBST: 591 TOWER 390639N/0773500W
CHART FAS OBST: 539 TREE 390544N/0773300W
CHART 779 TREE 390746N/0773506W
CHART WASHINGTON DC METROPOLITAN ADIZ.
DISTANCE TO THLD FROM 250 HAT: 0.66 NM.
WAAS CHANNEL # 60902
REFERENCE PATH ID: W17A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N CACAS, RT, 171.24 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC: 171.27 FAF: DANMO DIST FAF TO MAP: 5.19 THLD: 5.19
4. MIN. ALT: CACAS 2800, JOTUP 2500, DANMO 2100, CEYAC/2.70 NM TO RW17 1280*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2100 GS ALT AT: DANMO 2100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 44.8 34:1 IS NOT CLEAR
8. MSA FROM: RW17 3600

MAG VAR: 10W 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	633	1	250	633	1	250	633	1	250	633	1	250			
LNAV/VNAV DA	798	1 1/2	415	798	1 1/2	415	798	1 1/2	415	798	1 1/2	415			
LNAV MDA	860	1	477	860	1	477	860	1 1/4	477	860	1 1/2	477			
CIRCLING	860	1	471	860	1	471	860	1 1/2	471	1040	2	651			

NOTES:
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 17 PROCEDURE NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
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.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 389 TDZE: 383	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO /EFFECTIVE DATE:	SUP:
LEESBURG, VA	AIRPORT NAME: LEESBURG EXECUTIVE	RNAV	RNAV (GPS) RWY 17, AMDT 2 23 SEP 2010	AMDT: 1A
				DATED 04/10/2008

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES CONT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
***LNAV ONLY**
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WASHINGTON DULLES INTL ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET; INCREASE LNAV CAT C AND D AND CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: WASHINGTON DC ADIZ CTC POTOMAC APP CON
CHART NOTE: BARO-VNAV NA WITH WASHINGTON DULLES INTL ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT MRB VORTAC ON AIRWAY RADIALS 088 CW 101.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HOAGE ON V4-92 NORTHWEST BOUND.

CITY AND STATE	ELEVATION: 389 TDZE: 383	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LEESBURG, VA	AIRPORT NAME: LEESBURG EXECUTIVE	RNAV	RNAV (GPS) RWY 17, AMDT 2 23 SEP 2010	AMDT: 1A
				DATED: 04/10/2008

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KJYO
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	390506.4300N
LTP/FTP LONGITUDE	0773338.1800W
LTP/FTP ELLIPSOIDAL HEIGHT	+00826
FPAP LATITUDE	390414.7100N
FPAP LONGITUDE	0773315.7100W
THRESHOLD CROSSING HEIGHT (TCH)	00044.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	104.25
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	E011A3E7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01151
FPAP ORTHOMETRIC HEIGHT	+01151

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ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
--------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MRB   K6011210VTL  N39230806W077505408    N39230806W077505408W0070006001     NARMARTINSBURG

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
--------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BICAG K60    W     N39171982W077320985                    W0106     NAR          BICAG
        SUSAEAENRT   CACAS K60    W     N39154341W077381572                    W0105     NAR          CACAS
        SUSAEAENRT   CAULK K60    W     N39005616W077314941                    W0105     NAR          CAULK
        SUSAEAENRT   CEYAC K60    W     N39074001W077344496                    W0105     NAR          CEYAC
        SUSAEAENRT   DANMO K60    C     N39100180W077354669                    W0105     NAR          DANMO
        SUSAEAENRT   DROBB K60    W     N38580420W077423791                    W0104     NAR          DROBB
        SUSAEAENRT   GAWDD K60    C     N39140668W077442131                    W0104     NAR          GAWDD
        SUSAEAENRT   HOAGE K60    C   L N39074296W078051241                    W0101     NAR          HOAGE
        SUSAEAENRT   JOTUP K60    W     N39131385W077371042                    W0105     NAR          JOTUP
        SUSAEAENRT   RAYEE K60    R   L N39041088W077213014                    W0106     NAR          RAYEE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KJYOK6AJYO     0      054YHN39044070W077332700W010000389          1800018000C     MNAR     LEESBURG EXECUTIVE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
--------------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJYOK6FR17    ACACAS 010CACASK6EA0EE AR   HF                  17120040     + 02800      18000                A JS
        SUSAP KJYOK6FR17    AHOAGE 010HOAGEK6EA0E       IF                                        18000                A JS
        SUSAP KJYOK6FR17    AHOAGE 020GAWDDK6EA0E  A 020TF                  07840174     + 04000                           A JS
        SUSAP KJYOK6FR17    AHOAGE 030CACASK6EA0EE B 010TF                  08120050     + 02800                           A JS
        SUSAP KJYOK6FR17    AMRB   010MRB  K6D 0V  A    IF                                        18000                A JS
        SUSAP KJYOK6FR17    AMRB   020CACASK6EA0EE B 010TF                  13700123     + 02800                           A JS
        SUSAP KJYOK6FR17    ARAYEE 010RAYEEK6EA0E       IF                                        18000                A JS
        SUSAP KJYOK6FR17    ARAYEE 020BICAGK6EA0E  A 020TF                  33780155     + 03400                           A JS
        SUSAP KJYOK6FR17    ARAYEE 030CACASK6EA0EE B 010TF                  26130050     + 02800                           A JS
        SUSAP KJYOK6FR17    R      010CACASK6EA0E  I    IF                              + 02800      18000                A JS
        SUSAP KJYOK6FR17    R      011JOTUPK6EA0E S  051TF                  17120026     + 02500                           A JS
        SUSAP KJYOK6FR17    R      020DANMOK6EA1E  F 051TF                  17130034     + 02100                RW17  K6PGA JS
```

CITY AND STATE	ELEVATION: 389 TDZE: 383	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LEESBURG, VA	AIRPORT NAME: LEESBURG EXECUTIVE	RNAV	RNAV (GPS) RWY 17, AMDT 2 23 SEP 2010	AMDT: 1A
				DATED: 04/10/2008

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

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                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJYOK6FR17    R       020DANMOK6EA2WALPV        ALNAV/VNAV ALNAV                                          JS
        SUSAP KJYOK6FR17    R       021CEYACK6EA0E S  031TF                        17130025    V 0128001289        -300          A JS
        SUSAP KJYOK6FR17    R       030RW17 K6PG0GY M 031TF                        17130027      00422             -300          A JS
        SUSAP KJYOK6FR17    R       040          0  M  010CA                        1713        + 00633                         A JS
        SUSAP KJYOK6FR17    R       050CAULKK6EA0E     010DF                                                                  A JS
        SUSAP KJYOK6FR17    R       060DROBBK6EA0E    R010TFY                       2613                                       A JS
        SUSAP KJYOK6FR17    R       070GAWDDK6EA0EY   R010TFY                       0052        + 04000                        A JS
        SUSAP KJYOK6FR17    R       080GAWDDK6EA0EE   R020HM                        08120040    + 04000                        A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJYOK6GRW17     0054991713 N39050643W077333818+0200     +00826003780000045100I

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJYOK6PR17    RW17 001 0000W17A0N3905064300W0773338180O+008260300N3904147100W077331571001042500080004 48F400500E011A3E7
        SUSAP KJYOK6PR17    RW17 002E       +01151+01151LPV        60902

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJYOK6SRW17 K6PG                0    18018003625                                                              M
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CITY AND STATE	ELEVATION: 389 TDZE: 383	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LEESBURG, VA	AIRPORT NAME: LEESBURG EXECUTIVE	RNAV	RNAV (GPS) RWY 17, AMDT 2 23 SEP 2010	AMDT: 1A
				DATED: 04/10/2008

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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:

RWY 35- CLIMB HEADING 351.29 TO 1200 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, VEHICLE ON ROADWAY, 320' FROM DER, 565' LEFT OF CENTERLINE, UP TO 15' AGL/414' MSL. BUILDING 167' FROM DER, 360' LEFT OF CENTERLINE, 22' AGL/401' MSL. POLE 958' FROM DER, 373' LEFT OF CENTERLINE, 32' AGL/421' MSL. TREES BEGINNING 138' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/464' MSL.

NOTE: RWY 35 TERRAIN 96' FROM DER, 453' LEFT OF CENTERLINE, 381' MSL. TREE 1078' FROM DER, 525' LEFT OF CENTERLINE, UP TO 100' AGL/413' MSL. POLE 638' FROM DER, 642' RIGHT OF CENTERLINE, 49' AGL/428' MSL.

(4) CONTROLLING OBSTACLES:

RWY 35: 976 MSL AAO 390830.64N-0773619.25W

QUALITY CHECKED

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
LEESBURG, VA	LEESBURG EXECUTIVE	23 SEP 2010	2

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

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: | 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 23 SEP 2010

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 389 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
LEESBURG, VA	AIRPORT NAME: **LEESBURG EXECUTIVE**	**AML**	**VOR OR GPS-A, AMDT 1B, 04/10/2008**	AMDT **1A**
				DATE **03/15/2007**

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GEG VORTAC	LUCEV/I-GEG 13.08 DME	025.31 / 17.04	5500
LUCEV/I-GEG 13.08 DME (IF/IAF)	SIGYO/I-GEG 6.70 DME	209.51 / 6.38 (I-GEG)	3900

MISSED APPROACH

ILS: DA
LOC: I-GEG 1.98 DME FIX

CLIMB TO 4200 ON GEG VORTAC R-027 TO GEG VORTAC AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2800 THEN CLIMBING RIGHT TURN TO 6500 ON HEADING 046.00 TO INTERCEPT COE VOR/DME R-245 TO COE VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 028.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW COE VOR/DME, LT, 051.00 INBOUND.
CHART FAS OBST: 2398 TREE 473821N/1173012W
CHART IN PLANVIEW: COE VOR/DME.
CHART PLANVIEW NOTE: DME REQUIRED
CHART: AIRPORT ELEV 2385

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE LUCEV, LT, 209.51 INBOUND, 5500 FT. IN LIEU OF PT (IAF)
3. FAC: 209.51 FAF: SIGYO/I-GEG 6.70 DME DIST FAF TO MAP: ____ THLD: 4.72
4. MIN. ALT: LUCEV 5500, SIGYO 3900
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: 947 GS ANT: 939
6. MIN GS INCPT: 3900 GS ALT AT: SIGYO/I-GEG 6.70 DME 3900 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 58.8
8. MSA FROM: GEG VORTAC 360-090 7100, 090-180 5300, 180-270 4300, 270-360 5300

MAG VAR: 16E EPOCH YEAR: 2010

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 21	2546	1800	200	2546	1800	200	2546	1800	200	2546	1800	200			
S-LOC 21	2680	2400	334	2680	2400	334	2680	2400	334	2680	4000	334			
CIRCLING	2960	1	575	2960	1	575	2960	1 1/2	575	2980	2	595			

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 21: CAT A, B, C, D, RA 147, RVR 1200, HAT 100, DA 2446 MSL.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS-21: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 2385 TDZE: 2346	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SPOKANE, WA	AIRPORT NAME: SPOKANE INTL	I-GEG	ILS OR LOC/DME RWY 21, AMDT 22 ILS RWY 21 (CAT II) , ILS RWY 21 (CAT III) 23 SEP 2010	AMDT: 21A DATED 03/12/2009

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART PROFILE NOTE: USE I-GEG DME WHEN ON LOCALIZER COURSE.
CAT I CAT II CHART PLANVIEW NOTE: AUTOLAND NA WHEN WEATHER BELOW 300/1 EXCEPT FOR OPERATORS AUTHORIZED CAT III ILS AUTOLAND.
CAT III CHART NOTE: SPECIAL AUTOLAND EVALUATION REQUIRED.
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-LOC 21 CAT D VISIBILITY TO RVR 5000.
CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

CITY AND STATE	ELEVATION: 2385 TDZE: 2346	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SPOKANE, WA	AIRPORT NAME: SPOKANE INTL	I-GEG	ILS OR LOC/DME RWY 21, AMDT 22 ILS RWY 21 (CAT II) , ILS RWY 21 (CAT III) 23 SEP 2010	AMDT: 21A DATED: 03/12/2009

U.S. DEPARTMENT of TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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 3, 7, 21, 25 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 3 - CLIMBING LEFT TURN HEADING 190.00 AND GEG R-010 TO GEG VORTAC. THENCE...
RWY 7 - CLIMBING RIGHT TURN HEADING 255 .00 AND GEG R-075 TO GEG VORTAC. THENCE...
RWY 21 - CLIMBING RIGHT TURN HEADING 208.00 AND GEG R-028 TO GEG VORTAC. THENCE...
RWY 25 - CLIMBING LEFT TURN HEADING 176.00 AND GEG R-356 TO GEG VORTAC. THENCE...

...CLIMB IN GEG VORTAC HOLDING PATTERN (HOLD SW, RIGHT TURNS, 028.00 INBOUND) TO CROSS GEG VORTAC AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 3, MULTIPLE TREES BEGINNING 1089' FROM DER, 666' LEFT OF CENTERLINE, UP TO 100' AGL/2370' MSL. TREE 1524' FROM DER, 851' RIGHT OF CENTERLINE, 100' AGL/2374' MSL.

(4) CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 7 - 4548 FT MSL TOWER 473541.00N/1171757.00W

QUALITY CHECKED

(5) City, State	(6) Airport	(7) Effective Date	(8) Amdt. No.
SPOKANE, WA	SPOKANE INTL	23 SEP 2010	6

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30739 ; Amdt. No. 3387]

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 August 6, 2010

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
23-Sep-10	OK	SAND SPRINGS	WILLIAM R POGUE MUNI	0/0508	7/15/10	NDB RWY 35, AMDT 2E
23-Sep-10	OK	SAND SPRINGS	WILLIAM R POGUE MUNI	0/1461	7/15/10	VOR/DME A, AMDT 3
23-Sep-10	AL	CLANTON	CHILTON COUNTY	0/1946	5/27/10	TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG
23-Sep-10	NH	LEBANON	LEBANON MUNI	0/2536	7/19/10	VOR/DME RWY 7, AMDT 1
23-Sep-10	NH	LEBANON	LEBANON MUNI	0/2537	7/19/10	ILS OR LOC RWY 18, AMDT 5A
23-Sep-10	NH	BERLIN	BERLIN RGNL	0/2958	7/21/10	VOR B, AMDT 2A
23-Sep-10	VT	HIGHGATE	FRANKLIN COUNTY STATE	0/2999	7/21/10	VOR/DME RWY 19, AMDT 4
23-Sep-10	VT	HIGHGATE	FRANKLIN COUNTY STATE	0/3000	7/21/10	RNAV (GPS) RWY 19, ORIG
23-Sep-10	VT	HIGHGATE	FRANKLIN COUNTY STATE	0/3001	7/21/10	RNAV (GPS) RWY 1, AMDT 2
23-Sep-10	NC	RALEIGH/ DURHAM	RALEIGH-DURHAM INTL	0/4050	8/4/10	ILS OR LOC RWY 23R, AMDT 11; ILS RWY 23R (CAT II), AMDT 11; ILS RWY 23R (CAT III), AMDT 11
23-Sep-10	CA	HANFORD	HANFORD MUNI	0/4457	7/29/10	RNAV (GPS) RWY 32, AMDT 1
23-Sep-10	MA	BOSTON	GEN EDWARD LAWRENCE LOGAN INTL	0/5074	7/15/10	RNAV (GPS) RWY 27, ORIG-A
23-Sep-10	MA	BOSTON	GEN EDWARD LAWRENCE LOGAN INTL	0/5075	7/15/10	RNAV (GPS) RWY 32, ORIG-A
23-Sep-10	MA	BOSTON	GEN EDWARD LAWRENCE LOGAN INTL	0/5076	7/15/10	RNAV (GPS) RWY 22L, ORIG
23-Sep-10	MA	BOSTON	GEN EDWARD LAWRENCE LOGAN INTL	0/5081	7/15/10	RNAV (GPS) RWY 33L, ORIG-B
23-Sep-10	MA	BOSTON	GEN EDWARD LAWRENCE LOGAN INTL	0/5082	7/15/10	RNAV (GPS) RWY 15R, ORIG-B
23-Sep-10	ME	PITTSFIELD	PITTSFIELD MUNI	0/5401	7/7/10	NDB RWY 36, AMDT 4

23-Sep-10	AK	GALENA	EDWARD G. PITKA, SR	0/5799	7/15/10	VOR/DME RWY 25, AMDT 10
23-Sep-10	CQ	SAIPAN	SAIPAN/FRANCISCO C. ADA/SAIPAN INTL	0/5800	6/10/10	GPS RWY 25, AMDT 1B
23-Sep-10	AK	GALENA	EDWARD G. PITKA, SR	0/5801	7/15/10	VOR/DME RWY 7, AMDT 7
23-Sep-10	AK	NOME	NOME	0/6640	6/22/10	RNAV (GPS) RWY 3, ORIG
23-Sep-10	AK	NOME	NOME	0/6641	6/22/10	RNAV (GPS) RWY 10, ORIG
23-Sep-10	AK	NOME	NOME	0/6642	6/22/10	NDB/DME RWY 3, AMDT 2
23-Sep-10	AK	NOME	NOME	0/6643	6/22/10	NDB A, ORIG
23-Sep-10	AK	NOME	NOME	0/6644	6/22/10	VOR RWY 28, AMDT 2
23-Sep-10	AK	NOME	NOME	0/6645	6/22/10	VOR/DME RWY 10, AMDT 2
23-Sep-10	AK	CLARKS POINT	CLARKS POINT	0/6649	7/15/10	RNAV (GPS) RWY 18, ORIG
23-Sep-10	AK	CLARKS POINT	CLARKS POINT	0/6652	7/15/10	RNAV (GPS) RWY 36, ORIG
23-Sep-10	AK	QUINHAGAK	QUINHAGAK	0/7691	7/15/10	RNAV (GPS) RWY 12, ORIG
23-Sep-10	AK	QUINHAGAK	QUINHAGAK	0/7692	7/15/10	RNAV (GPS) RWY 30, ORIG
23-Sep-10	MA	BOSTON	GEN EDWARD LAWRENCE LOGAN INTL	0/8349	7/15/10	ILS OR LOC RWY 4R, AMDT 9B
23-Sep-10	MA	BOSTON	GEN EDWARD LAWRENCE LOGAN INTL	0/8350	7/15/10	ILS OR LOC RWY 33L, AMDT 3

AIRAC Date: 23 SEP 2010

FDC 0/0508 OWP FI/P WILLIAM R. POGUE MUNI, SAND SPRINGS, OK. NDB RWY 35, AMDT 2E... TERMINAL ROUTE HOMIN TO WILLIAM POGUE (OWP) NDB MINIMUM ALTITUDE 3300. TERMINAL ROUTE SAPPA TO WILLIAM POGUE (OWP) NDB MINIMUM ALTITUDE 3300. TERMINAL ROUTE TULSA (TUL) TO WILLIAM POGUE (OWP) NDB MINIMUM ALTITUDE 3300. ALTITUDE PRIOR TO OWP NDB IN PROFILE 3300. MSA FROM: OWP NDB 25NM, 3600. THIS IS NDB RWY 35, AMDT 2F.

FDC 0/1461 OWP FI/P WILLIAM R. POGUE MUNI, SAND SPRINGS, OK. VOR/DME A, AMDT 3... MSA FROM GNP VOR/DME 030-300 3600, 300-030 3300. THIS IS VOR/DME A, AMDT 3A.

FDC 0/1946 02A FI/P CHILTON COUNTY, CLANTON, AL. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG...DEPARTURE PROCEDURE: RWY 8, CLIMB HEADING 077.37 TO 1000 BEFORE TURNING ON COURSE. RWY 26, CLIMB HEADING 257.37 TO 1100 BEFORE TURNING ON COURSE. NOTE: RWY 26, TANK 4836 FEET FROM DEPARTURE END OF RUNWAY, 1144 LEFT OF CENTERLINE, 90 FEET AGL/710 FEET MSL. CHANGE ALL REFERENCE TO GRAGG-WADE FIELD TO CHILTON COUNTY. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A.

FDC 0/2536 LEB FI/P LEBANON MUNI, LEBANON, NH. VOR/DME RWY 7, AMDT 1...CIRCLING MDA 1640/HAA 1037 CAT A. ALTERNATE MINIMUMS: CAT A 1100-2, CAT B 1200-2, CAT C/D 1300-3. THIS IS VOR/DME RWY 7, AMDT 1A.

FDC 0/2537 LEB FI/P LEBANON MUNI, LEBANON, NH. ILS OR LOC RWY 18, AMDT 5A...CIRCLING MDA 1640/HAA 1037 CAT A. FRYYS INT MINIMUMS: CIRCLING MDA 1640/HAA 1037 CAT A. ALTERNATE MINIMUMS: ILS AND LOC: CAT A 1100-2, CAT B 1200-2, CAT C/D 1300-2; NA WHEN CONTROL TOWER CLOSED. THIS IS ILS OR LOC RWY 18, AMDT 5B.

FDC 0/2958 BML FI/P BERLIN RGNL, BERLIN, NH. VOR B, AMDT 2A...CIRCLING CAT A MDA 2260/HAA 1099. PROCEDURE TURN COMPLETION ALTITUDE 4600. MAXIMUM ALTITUDE AT BML VOR/DME 10000. THIS IS VOR B, AMDT 2B.

FDC 0/2999 FSO FI/P FRANKLIN COUNTY STATE, HIGHGATE, VT. VOR/DME RWY 19, AMDT 4...DELETE NOTE: IF LOCAL ALTIMETER NOT RECEIVED, USE CLINTON CO, PLATTSBURGH, NY ALTIMETER SETTING AND INCREASE ALL MDAS 200 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. DELETE FROM PROFILE: FOBOP/YJN 8.00 DME. THIS IS VOR/DME RWY 19, AMDT 4A.

FDC 0/3000 FSO FI/P FRANKLIN COUNTY STATE, HIGHGATE, VT. RNAV (GPS) RWY 19, ORIG...DELETE NOTE: GPS OR RNP-0.3 REQUIRED. DELETE NOTE: IF LOCAL ALTIMETER SETTING SETTING NOT RECEIVED, USE CLINTON CO, PLATTSBURGH, NY ALTIMETER SETTING AND INCREASE ALL MDAS 200 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. THIS IS RNAV (GPS) RWY 19, ORIG-A.

FDC 0/3001 FSO FI/P FRANKLIN COUNTY STATE, HIGHGATE, VT. RNAV (GPS) RWY 1, AMDT 2...DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLINTON COUNTY, PLATTSBURGH, NY ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 80 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH ANGLE NOT COINCIDENT. THIS IS RNAV (GPS) RWY 1, AMDT 2A.

FDC 0/4050 RDU FI/P RALEIGHT-DURHAM INTL, RALEIGH/DURHAM, NC. ILS OR LOC RWY 23R AMDT 11...ILS RWY 23R (CAT II) AMDT 11...ILS RWY 23R (CAT III) AMDT 11...CHANGE MISSED APPROACH TO READ: CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2100 VIA HEADING 030 AND RDU VORTAC R-351 TO DUHAM INT/RDU 11DME AND HOLD. THIS IS ILS OR LOC RWY 23R AMDT 11A THIS IS ILS RWY 23R (CAT II) AMDT 11A THIS IS ILS RWY 23R (CAT III) AMDT 11A.

FDC 0/4457 HJO FI/P HANFORD MUNI, HANFORD, CA. RNAV (GPS) RWY 32, AMDT 1...CHANGE CHART FAS OBST TO: 319 TRNSMSN LINE 361820N/1193717W. THIS IS RNAV (GPS) RWY 32, AMDT 1A.

FDC 0/5074 BOS FI/P GEN EDWARD LAWRENCE LOGAN INTL, BOSTON, MA. RNAV (GPS) RWY 27, ORIG-A... LNAV/VNAV DA 504/HAT 487, VIS 1 3/4 ALL CATS. CIRCLING CAT A MDA 940/HAA 920, CAT B MDA 1000/HAA 980, VIS CAT A 1 1/4, CAT B 1 1/2. CIRCLING CATS C/D HAA 620. DELETE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINICIDENT. CHART NOTE: CIRCLING TO RWY 14 NA. CHART ARPT ELEV 20. ALTERNATE MINIMUMS: STANDARD; EXCEPT CAT A/B 1000-2. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. THIS IS RNAV (GPS) RWY 27, ORIG-B.

FDC 0/5075 BOS FI/P GEN EDWARD LAWRENCE LOGAN INTL, BOSTON, MA. RNAV (GPS) RWY 32, ORIG-A... CIRCLING CAT A MDA 940/HAA 920, CAT B MDA 1000/HAA 980, CATS C/D MDA 820/HAA 800. VIS CAT A 1 1/4, CAT B 1 1/2, CAT C 2 1/4, CAT D 2 1/2. CHART NOTE: CIRCLING NA FOR CATS C AND D WEST OF RWYS 4L AND 15R. DELETE NOTE: CIRCLING NA FOR CATS B, C AND D WEST OF RWYS 4L AND 15R. ALTERNATE MINIMUMS: CATS A/B 1000-2, CAT C 800-2 1/4, CAT D 800-2 1/2. THIS IS RNAV (GPS) RWY 32, ORIG-B.

FDC 0/5076 BOS FI/P GEN EDWARD LAWRENCE LOGAN INTL, BOSTON, MA. RNAV (GPS) RWY 22L, ORIG... CIRCLING CAT A MDA 940/HAA 920, CAT B MDA 1000/HAA 980, VIS CAT A 1 1/4, CAT B 1 1/2. CIRCLING CATS C/D HAA 620. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINICIDENT. CHART NOTE: CIRCLING TO RWY 14 NA. CHART ARPT ELEV 20. ALTERNATE MINIMUMS: STANDARD; EXCEPT CAT A/B 1000-2. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. THIS IS RNAV (GPS) RWY 22L, ORIG-A.

FDC 0/5081 BOS FI/P GEN EDWARD LAWRENCE LOGAN INTL, BOSTON, MA. RNAV (GPS) RWY 33L, ORIG-B... LNAV/VNAV DA 546/HAT 530, VIS RVR 6000 ALL CATS. CIRCLING CAT A MDA 940/HAA 920, CAT B MDA 1000/HAA 980, VIS CAT A 1 1/4, CAT B 1 1/2. CIRCLING CATS C/D HAA 620. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINICIDENT. CHART NOTE: CIRCLING TO RWY 14 NA. CHART ARPT ELEV 20. ALTERNATE MINIMUMS: STANDARD; EXCEPT CAT A/B 1000-2. DELETE NOTE: BARO-VNAV NA BELOW -15C (5F). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). THIS IS RNAV (GPS) RWY 33L, ORIG-C.

FDC 0/5082 BOS FI/P GEN EDWARD LAWRENCE LOGAN INTL, BOSTON, MA. RNAV (GPS) RWY 15R, ORIG-B... CIRCLING CAT A MDA 940/HAA 920, CAT B MDA 1000/HAA 980, VIS CAT A 1 1/4, CAT B 1 1/2. CIRCLING CATS C/D HAA 760, VIS CAT C 2 1/4. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINICIDENT. CHART NOTE: CIRCLING TO RWY 14 NA. CHART ARPT ELEV 20. ALTERNATE MINIMUMS: STANDARD; EXCEPT CAT A/B 1000-2. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. DELETE NOTE: ARM APPROACH MODE PRIOR TO IAF. DELETE NOTE: BARO-VNAV NA BELOW -15C (5F). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). THIS IS RNAV (GPS) RWY 15R, ORIG-C

FDC 0/5401 2B7 FI/P PITTSFIELD MUNI, PITTSFIELD, ME. NDB RWY 36, AMDT 4...CHART MINIMUM ALTITUDE BUP NDB 1700 THIS IS NDB RWY 36, AMDT 4A.

FDC 0/5799 GAL FI/P EDWARD G. PITKA, SR, GALENA, AK. VOR/DME RWY 25, AMDT 10... DELETE NOTE: DME REQUIRED TERMINAL ROUTE NAJMY/GAL 50.00 DME TO OBFIY/GAL 10.00 DME MNM ALT 5500. THIS IS VOR/DME RWY 25, AMDT 10A.

FDC 0/5800 GSN FI/P FRANCISCO C. ADA/SAIPAN INTL, SAIPAN, CQ. GPS RWY 25 AMDT 1B...CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

FDC 0/5801 GAL FI/P EDWARD G. PITKA, SR, GALENA, AK. VOR/DME RWY 7, AMDT 7... TERMINAL ROUTE NAJMY/50.00 DME TO GAL VOR/DME MNM ALT 5500. THIS IS VOR/DME RWY 7, AMDT 7A.

FDC 0/6640 OME FI/P NOME, NOME, AK. RNAV (GPS) RWY 3, ORIG...CIRCLING CAT A MDA 540/HAA 503, CAT B MDA 580/HAA 543. THIS IS RNAV (GPS) RWY 3, ORIG-A.

FDC 0/6641 OME FI/P NOME, NOME, AK. RNAV (GPS) RWY 10, ORIG...CIRCLING CAT A MDA 540/HAA 503, CAT B MDA 580/HAA 543. THIS IS RNAV (GPS) RWY 10, ORIG-A.

FDC 0/6642 OME FI/P NOME, NOME, AK. NDB/DME RWY 3, AMDT 2...CIRCLING CAT A MDA 540/HAA 503, CAT B MDA 580/HAA 543. THIS IS NDB/DME RWY 3, AMDT 2A.

FDC 0/6643 OME FI/P NOME, NOME, AK. NDB A, ORIG...CIRCLING CAT A MDA 540/HAA 503, CAT B MDA 580/HAA 543. THIS IS NDB A, ORIG-A.

FDC 0/6644 OME FI/P NOME, NOME, AK. VOR RWY 28, AMDT 2...CIRCLING CAT B MDA 580/HAA 543. DELETE: ECECE FIX MINIMUMS. DELETE: ECECE OME 3.45 DME 540. DELETE NOTE: ECECE FIX MINIMUMS: FOR INOPERATIVE MALSR INCREASE S-28 CAT A/B VISIBILITY TO RVR 5000, CAT D VISIBILITY TO RVR 6000. CHART VDP AT 3.39 DME; DISTANCE VDP TO THLD 1.47 MILES. THIS IS VOR RWY 28, AMDT 2A.

FDC 0/6645 OME FI/P NOME, NOME, AK. VOR/DME RWY 10, AMDT 2...CIRCLING CAT A MDA 540/HAA 503, CAT B MDA 580/HAA 543. THIS IS VOR/DME RWY 10, AMDT 2A.

FDC 0/6649 CLP FI/P CLARKS POINT, CLARKS POINT, AK. RNAV (GPS) RWY 18, ORIG... CHART NOTE: PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 18, ORIG-A.

FDC 0/6652 CLP FI/P CLARKS POINT, CLARKS POINT, AK. RNAV (GPS) RWY 36, ORIG... CHART NOTE: PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 36, ORIG-A.

FDC 0/7691 AQH FI/P QUINHAGAK, QUINHAGAK, AK. RNAV (GPS) RWY 12, ORIG... CHART NOTE: PROCEDURE NA AT NIGHT. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. THIS IS RNAV (GPS) RWY 12, ORIG-A.

FDC 0/7692 AQH FI/P QUINHAGAK, QUINHAGAK, AK. RNAV (GPS) RWY 30, ORIG... CHART NOTE: PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 30, ORIG-A.

FDC 0/8349 BOS FI/P GEN EDWARD LAWRENCE LOGAN INTL, BOSTON, MA. ILS OR LOC RWY 4R, AMDT 9B... CIRCLING CAT A MDA 940/HAA 920, CAT B MDA 1000/HAA 980, VIS CAT A 1 1/4, CAT B 1 1/2. CIRCLING CATS C/D HAA 620. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINICIDENT. CHART NOTE: CIRCLING TO RWY 14 NA. CHART ARPT ELEV 20. ALTERNATE MINIMUMS: STANDARD EXCEPT; ILS CATS A/B 1000-2, ILS CATS C/D 700-2. LOC CATS A/B 1000-2. CHART NOTE: CIRCLING NA FOR CATS C AND D WEST OF RWYS 4L AND 15R. CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN. DELETE NOTE: CATS C AND D CIRCLING NOT AUTHORIZED WEST OF RWYS 4L AND 15R. THIS IS ILS OR LOC RWY 4R, AMDT 9C, ILS RWY 4R (CAT II) AMDT 9C, ILS RWY 4R (CAT III) AMDT 9C.

FDC 0/8350 BOS FI/P GEN EDWARD LAWRENCE LOGAN INTL, BOSTON, MA. ILS OR LOC RWY 33L, AMDT 3... CIRCLING CAT A MDA 940/HAA 920, CAT B MDA 1000/HAA 980, VIS CAT A 1 1/4, CAT B 1 1/2. CHART NOTE: CIRCLING TO RWY 14 NA. ALTERNATE MINIMUMS: STANDARD EXCEPT ILS CATS A/B 1000-2, CATS C/D 700-2. LOC CATS A/B 1000-2. THIS IS ILS OR LOC RWY 33L, AMDT 3A, ILS RWY 33L (CAT II) AMDT 3A.