U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 11-10 **April 1, 2011**

**PREPARED BY THE NATIONAL FLIGHT DATA CENTER, AJV-21
(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 11-08 and 11-09:

Fayetteville/Springdale, AR, Northwest Arkansas Rgnl, ILS OR LOC/DME RWY 17, Orig
Fayetteville/Springdale, AR, Northwest Arkansas Rgnl, ILS OR LOC/DME RWY 35, Orig
Fayetteville/Springdale, AR, Northwest Arkansas Rgnl, Takeoff Minimums and Obstacle DP, Amdt 3
Cochran, GA, Cochran, RNAV (GPS) RWY 11, Amdt 1
Hattiesburg, MS, Hattiesburg Bobby L Chain Muni, RNAV (GPS) Y RWY 13, Amdt 2A
Ruidoso, NM, Sierra Blanca Rgnl, CAPITAN ONE Graphic DP
Portland, OR, Portland Intl, ILS OR LOC RWY 10L, Amdt 3A
San Antonio, TX, San Antonio Intl, RNAV (RNP) Z RWY 21, Orig
Sherman-Denison, TX, North Texas Rgnl/Perrin Field, Takeoff Minimums and Obstacle DP Orig
Waco, TX, TSTC Waco, RNAV (GPS) RWY 35R, Orig

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
RZC VORTAC	WOPSA/I-XSQ 12.12 DME	312.53 / 19.73	3100
WOPSA/12.12 DME (IF/IAF)	FANAX/5.02 DME	155.73 / 7.10 (I-XSQ)	3000

This is a corrected copy of a procedure published in TL 11-09.

MISSED APPROACH

ILS: DA
LOC: I-XSQ 0.19 DME FIX

CLIMB TO 3700 ON HEADING 156 AND ON DAK VOR/DME R-329 TO WUVEK INT/DAK 2.18 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 3100 ON HEADING 320 AND ON EOS VOR/DME R-169 TO (SEE FORM 8260-10)

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW WOPSA, RT, 155.73 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 155.73 FAF: FANAX/5.02 DME DIST FAF TO MAP: ____ THLD: 5.19
4. MIN. ALT: WOPSA 3100, FANAX 3000, TENYU/2.13 DME 2060*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1169
6. MIN GS INCPT: 3000 GS ALT AT: FANAX 3000 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 57.6
8. MSA FROM: RZC VORTAC 090-180 4500, 180-270 3600, 270-090 3200

ADDITIONAL FLIGHT DATA:
HOLD SE, LT, 329.43 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N WOPSA/EOS 21.48 DME, RT, 168.63 INBOUND.
CHART FAS OBST: 1448 TRMSN TWR 361948N/0941925W
CHART IN PLANVIEW: EOS VOR/DME
CHART VDP AT 0.94 DME*;
DISTANCE VDP TO THLD 1.11 MILES.
*LOC ONLY.
CHART I-XSQ DME ANTENNA IN PROFILE
CHART IN PLANVIEW: RZC VORTAC 19.73 DME AT WOPSA

MAG VAR: 4E EPOCH YEAR: 2000

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 17	1488	3/4	200	1488	3/4	200	1488	3/4	200	1488	3/4	200			
S-LOC 17	1700	1	412	1700	1	412	1700	1 1/8	412	1700	1 1/8	412			
CIRCLING	1740	1	452	1740	1	452	1740	1 1/2	452	1840	2	552			

NOTES:
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART PLANVIEW NOTE: DME REQUIRED.
CHART NOTE: VDP NA WITH BENTONVILLE ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BENTONVILLE ALTIMETER SETTING AND INCREASE ALL DA 15 FEET AND ALL MDA 20 FEET. INCREASE S-LOC 17 CATS C/D VISIBILITY 1/8 MILE.

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

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1288 THRE: 1288	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FAYETTEVILLE/SPRINGDALE/, AR	AIRPORT NAME: NORTHWEST ARKANSAS RGNL	I-XSQ	ILS OR LOC/DME RWY 17, ORIG 5 MAY 2011	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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

MISSED APPROACH INSTRUCTIONS, (CONT.):
WOPSA/EOS 21.48 DME AND HOLD. (DME REQUIRED)

CITY AND STATE	ELEVATION: 1288 THRE: 1288	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FAYETTEVILLE/SPRINGDALE/, AR	AIRPORT NAME: NORTHWEST ARKANSAS RGNL	I-XSQ	ILS OR LOC/DME RWY 17, ORIG 5 MAY 2011	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC PACKET - 424-18 - ILS

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DAK   K4010880VDTW N36023441W094115123    N36023441W094115123E0070015300     NARDRAKE
        SUSAD        RZC   K4011640VTHW N36144713W094071700    N36144713W094071700E0040013312     NARRAZORBACK
        SUSAD KXNAK4 IXSQ  K4011175 IT                      IXSQN36174164W094185989     012850     NARNORTHWEST ARKANSAS RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FANAX K40    C     N36222621W094210371                      E0023     NAR          FANAX
        SUSAEAENRT   WOPSA K40    C     N36290605W094240681                      E0023     NAR          WOPSA
        SUSAEAENRT   WUVEK K40    C     N36043445W094125573                      E0022     NAR          WUVEK

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KXNAK4AXNA     0     088YHN36165473W094182452E004001288        1800018000C    MNAR    NORTHWEST ARKANSAS RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KXNAK4FI17   ARZC   010RZC  K4D 0V      IF                                                18000                 0 DS
        SUSAP KXNAK4FI17   ARZC   020WOPSAK4EA0EY      TF                                      + 03100                       0 DS
        SUSAP KXNAK4FI17   ARZC   030WOPSAK4EA0EE AR   HF RZC K4      312501971557T010D        + 03100                       0 DS
        SUSAP KXNAK4FI17   I      010WOPSAK4EA0E  I    IF IXSQK4      33570139         PI      J 031000300018000             0 DS
        SUSAP KXNAK4FI17   I      020FANAXK4EA0E  F    CF IXSQK4      3357006815600071PI      H 0300003000       -300RZC    K4D 0 DS
        SUSAP KXNAK4FI17   I      030RW17 K4PG0GY M    CF IXSQK4      3357001615600052PI        01346            -300          0 DS
        SUSAP KXNAK4FI17   I      040          0  M    VI                        1560                                           0 DS
        SUSAP KXNAK4FI17   I      050WUVEKK4EA0EY      CF DAK K4      3294002214940020D        + 03700                       0 DS
        SUSAP KXNAK4FI17   I      060WUVEKK4EA0EE  L   HM                        3294T010       + 03700                       0 DS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KXNAK4GRW17    0088011557 N36173347W094185001-0300    +036450128800005819lIIXSQ1

                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KXNAK4IIXSQ1   011175RW17 N36160252W0941808531557N36172360W0941841801005 11690409300E00405801279

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

CITY AND STATE	ELEVATION: 1288 THRE: 1288	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FAYETTEVILLE/SPRINGDALE/, AR	AIRPORT NAME: **NORTHWEST ARKANSAS RGNL**	**I-XSQ**	**ILS OR LOC/DME RWY 17, ORIG** 5 MAY 2011	AMDT: **NONE**
				DATED:

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

```
SUSAP KXNAK4SRZC  K4D              0   090270032252703600452536009003625                                M
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 1288 THRE: 1288	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FAYETTEVILLE/SPRINGDALE/, AR	AIRPORT NAME: NORTHWEST ARKANSAS RGNL	I-XSQ	ILS OR LOC/DME RWY 17, ORIG 5 MAY 2011	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RZC	RZC	010		IF		FB					
	RZC	WOPSA	020		TF		FO				AA 03100	
	RZC	WOPSA	030	IAF	HF	R	FO		155.7()	T01.0	AA 03100	
		WOPSA	010	FACF	IF		FB				AA 03100 GI 03000	
		FANAX	020	FAF	CF		FB		156.0()	007.1	GI 03000 GS 03000	
		RW17	030	MAP	CF		FO		156.0()	005.2	AT 01346	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		156.0()			
	WUVEK	050		CF		FO		149.4()	002.0	AA 03700	
	WUVEK	060		HM	L	FO		329.4()	T01.0	AA 03700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DAK	N360234.41	W0941151.23	N3602.574	W09411.854
	RZC	N361447.13	W0940717.00	N3614.786	W09407.283
	IXSQ (DME)	N361741.64	W0941859.89	N3617.694	W09418.998
	FANAX	N362226.21	W0942103.71	N3622.437	W09421.062
	WOPSA	N362901.54	W0942404.74	N3629.026	W09424.079
	WUVEK	N360434.45	W0941255.73	N3604.574	W09412.929
	RW17	N361733.47	W0941850.01	N3617.558	W09418.834
	IXSQ (LOC)	N361602.52	W0941808.53	N3616.042	W09418.142

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	01288	58

CITY AND STATE	ELEVATION: 1288 THRE: 1288	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FAYETTEVILLE/SPRINGDALE/, AR	AIRPORT NAME: **NORTHWEST ARKANSAS RGNL**	**I-XSQ**	**ILS OR LOC/DME RWY 17, ORIG** 5 MAY 2011	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
BARKK/FSM 24.95 DME	DAK VOR/DME	356.86 / 14.43	3700
DAK VOR/DME (IAF)	WUVEK/I-XGH 13.99 DME (NOPT)	329.43 / 2.18	3700
WUVEK/I-XGH 13.99 DME (IF/IAF)	HEXET/6.89 DME	335.74 / 7.10 (I-XGH)	3000

This is a corrected copy of a procedure published in TL 11-09.

MISSED APPROACH

ILS: DA
LOC: I-XGH 1.62 DME FIX

CLIMB TO 3100 ON HEADING 336 AND ON EOS VOR/DME R-169 TO WOPSA/EOS 21.48 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1800 THEN CLIMBING RIGHT TURN 3700 ON HEADING 179 AND ON DAK VOR/DME R-329 TO WUVEK/DAK 2.18 DME AND HOLD SE, RT, 335.74 INBOUND.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 168.63 INBOUND.
CHART FAS OBST: 1347 TREE 361457N/0941746W
CHART VDP AT 2.49 DME*;
DISTANCE VDP TO THLD 0.87 MILES.
*LOC ONLY.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE WUVEK, RT, 335.74 INBOUND, 3700 FT. IN LIEU OF PT (IAF)
3. FAC: 335.74 FAF: HEXET/6.89 DME DIST FAF TO MAP: ____ THLD: 5.27
4. MIN. ALT: WUVEK 3700, HEXET 3000, CINKO/3.22 DME 1820*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1034
6. MIN GS INCPT: 3000 GS ALT AT: HEXET 3000 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 57.4
8. MSA FROM: RZC VORTAC 090-180 4500, 180-270 3600, 270-090 3200

MAG VAR: 4E EPOCH YEAR: 2000

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 35	1465	3/4	200	1465	3/4	200	1465	3/4	200	1465	3/4	200			
S-LOC 35	1600	1	335	1600	1	335	1600	1	335	1600	1	335			
CIRCLING	1740	1	452	1740	1	452	1740	1 1/2	452	1840	2	552			

NOTES:
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: DME REQUIRED.
CHART PLANVIEW NOTE: DME REQUIRED.
CHART NOTE: VDP NA WITH BENTONVILLE ALTIMETER SETTING.
(SEE FORM 8260-10)

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

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1288 THRE: 1265 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FAYETTEVILLE/SPRINGDALE/, AR	NORTHWEST ARKANSAS RGNL	I-XGH	ILS OR LOC/DME RWY 35, ORIG 5 MAY 2011	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 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 BENTONVILLE ALTIMETER SETTING AND INCREASE ALL DA 15 FEET AND ALL MDA 20 FEET.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FAYETTEVILLE/SPRINGDALE/, AR	**ELEVATION: 1288** **THRE: 1265** AIRPORT NAME: **NORTHWEST ARKANSAS RGNL**	**I-XGH**	**ILS OR LOC/DME RWY 35, ORIG** 5 MAY 2011	AMDT: **NONE** DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC PACKET - 424-18 - ILS

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD       DAK   K4010880VDTW N36023441W094115123    N36023441W094115123E0070015300     NARDRAKE
        SUSAD       EOS   K3011730VDH  N36503281W094260852    N36503281W094260852E0070012002     NARNEOSHO
        SUSAD       RZC   K4011640VTHW N36144713W094071700    N36144713W094071700E0040013312     NARRAZORBACK
        SUSAD KXNAK4 IXGH  K4011175 IT                    IXGHN36174164W094185989     012850     NARNORTHWEST ARKANSAS RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BARKK K40    C   L N35480929W094130284                          E0022     NAR           BARKK
        SUSAEAENRT   HEXET K40    C     N36111495W094155760                          E0023     NAR           HEXET
        SUSAEAENRT   WOPSA K40    C     N36290605W094240681                          E0023     NAR           WOPSA
        SUSAEAENRT   WUVEK K40    C     N36043445W094125573                          E0022     NAR           WUVEK

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KXNAK4AXNA     0     088YHN36165473W094182452E004001288          1800018000C    MNAR    NORTHWEST ARKANSAS RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KXNAK4FI35   ABARKK 010BARKKK4EA0E       IF                                          18000                  0 DS
        SUSAP KXNAK4FI35   ABARKK 020DAK  K4D 0V  A     TF                                + 03700                      0 DS
        SUSAP KXNAK4FI35   ABARKK 030DAK  K4D 0V        FC DAK K4      0000000032940002D  + 03700                      0 DS
        SUSAP KXNAK4FI35   ABARKK 040WUVEKK4EA0EE B     CF IXGHK4      155701403357002OPI + 03700                      0 DS
        SUSAP KXNAK4FI35   AWUVEK 010WUVEKK4EA0EE AR    HF RZC K4      200201123357T010D  + 03700     18000               0 DS
        SUSAP KXNAK4FI35   I       010WUVEKK4EA0E  I     IF IXGHK4      15570140         PI  J 037000300018000               0 DS
        SUSAP KXNAK4FI35   I       020HEXETK4EA0E  F     CF IXGHK4      155700693360007lPI  H 0300003000        -300RZC   K4D 0 DS
        SUSAP KXNAK4FI35   I       030RW35 K4PG0GY M     CF IXGHK4      155700163360005lPI    01323             -300          0 DS
        SUSAP KXNAK4FI35   I       040          0  M     VI                      3360                                         0 DS
        SUSAP KXNAK4FI35   I       050WOPSAK4EA0EY       CF EOS K3      1686021534860020D  + 03100                      0 DS
        SUSAP KXNAK4FI35   I       060WOPSAK4EA0EE  R    HM                   1686T010     + 03100                      0 DS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KXNAK4GRW35    0088013357 N36161184W094181278+0300    +035750126500005719lIIXGH1

                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 1288 THRE: 1265	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FAYETTEVILLE/SPRINGDALE/, AR	AIRPORT NAME: NORTHWEST ARKANSAS RGNL	I-XGH	ILS OR LOC/DME RWY 35, ORIG 5 MAY 2011	AMDT: NONE
				DATED:

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

```
      SUSAP KXNAK4IIXGH1   011175RW35 N36174279W0941854273357N36162241W0941813891005 10340409300E00405701262

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
      ------------------------------------------------------------------------------------------------------------------------------
      SUSAP KXNAK4SRZC  K4D               0   090270032252703600452536009003625                                              M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1288 THRE: 1265	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FAYETTEVILLE/SPRINGDALE/, AR	AIRPORT NAME: NORTHWEST ARKANSAS RGNL	I-XGH	ILS OR LOC/DME RWY 35, ORIG 5 MAY 2011	AMDT: NONE DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BARKK	BARKK	010		IF		FB					
	BARKK	DAK	020	IAF	TF		FB				AA 03700	
	BARKK	DAK	030		FC		FB		329.4()	000.2	AA 03700	
	BARKK	WUVEK	040		CF		FB		335.7()	002.0	AA 03700	
	WUVEK	WUVEK	010	IAF	HF	R	FO		335.7()	T01.0	AA 03700	
		WUVEK	010	FACF	IF		FB				AA 03700 GI 03000	
		HEXET	020	FAF	CF		FB		336.0()	007.1	GI 03000 GS 03000	
		RW35	030	MAP	CF		FO		336.0()	005.3	AT 01323	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		336.0()			
	WOPSA	050		CF		FO		348.6()	002.0	AA 03100	
	WOPSA	060		HM	R	FO		168.6()	T01.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DAK	N360234.41	W0941151.23	N3602.574	W09411.854
	EOS	N365032.81	W0942608.52	N3650.547	W09426.142
	RZC	N361447.13	W0940717.00	N3614.786	W09407.283
	IXGH (DME)	N361741.64	W0941859.89	N3617.694	W09418.998
	BARKK	N354809.29	W0941302.84	N3548.155	W09413.047
	HEXET	N361114.95	W0941557.60	N3611.249	W09415.960
	WOPSA	N362901.54	W0942404.74	N3629.026	W09424.079
	WUVEK	N360434.45	W0941255.73	N3604.574	W09412.929
	RW35	N361611.84	W0941812.78	N3616.197	W09418.213
	IXGH (LOC)	N361742.79	W0941854.27	N3617.713	W09418.905

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	01265	57

CITY AND STATE	ELEVATION: 1288 THRE: 1265	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FAYETTEVILLE/SPRINGDALE/, AR	AIRPORT NAME: **NORTHWEST ARKANSAS RGNL**	**I-XGH**	**ILS OR LOC/DME RWY 35, ORIG** 5 MAY 2011	AMDT: **NONE** DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
FAYETTEVILLE/SPRINGDALE/ROGERS, AR	NORTHWEST ARKANSAS REGIONAL	5 MAY 2011	3

TAKEOFF MINIMUMS:

RWY 16, 17, 35, STANDARD.
RWY 34, 500-2 ¾ OR STANDARD WITH A MINIMUM CLIMB OF 227 FT PER NM TO 1900.

TEXTUAL DEPARTURE PROCEDURES:

RWY 35-CLIMB HEADING 335.74 TO 1800 BEFORE TURNING LEFT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16, TREES BEGINNING 1985FT FROM DER, 1020FT RIGHT OF CENTERLINE, UP TO 100FT AGL/1321FT MSL. **NOTE: RWY 34,** TOWER 1.99 NM FROM DER, 1.29 NM LEFT OF CENTERLINE, 309FT AGL/1729FT MSL. **NOTE: RWY 35,** TREES BEGINNING 802FT FROM DER, 694FT LEFT OF CENTERLINE, UP TO 56FT AGL/1356FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 34, 1729FT MSL TOWER 361901.00N/0942104.00W. **RWY 35,** 1735FT MSL TOWER 361901.30N/0942104.10W, 1724FT MSL TOWER 361903.00N/0942107.00W

This is a corrected copy of a procedure published in TL 11-09.

QUALITY 6 CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
VNA VORTAC	HIGEN (FB)	351.11 / 8.56	2100
HIGEN (IAF)	COSSA (NOPT) (FB)	016.91 / 5.90	2100
MCN VORTAC (IAF)	COSSA (NOPT) (FB)	156.38 / 16.22	2100
COSSA (IF/IAF)	WEKED (FB)	106.93 / 6.74	1900
WEKED (FAF)	JATAV/2.30 NM TO RW11 (FB)	107.00 / 2.31	
JATAV/2.30 NM TO RW11	RW11 (MAP) (FO)	107.03 / 2.30	
(SEE FORM 8260-10)			

This is a corrected copy of a procedure published in TL 11-09.
(ARINC pages updated)

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW11

CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 2100 DIRECT VNA VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, LT, 090.00 INBOUND.
CHART FAS OBST: 495 TOWER 322350N/0831820W
CHART FAS OBST: 569 TREE 322425N/0831931W
DISTANCE TO THLD FROM 301 HATH: 0.77 NM.
WAAS CHANNEL # 82521
REFERENCE PATH ID: W11A
CHART DUBLIN AWOS-3
LTP HAE: 87.4 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W COSSA, LT, 106.93 INBOUND, 2100 FT. IN LIEU OF PT (IAF)
3. FAC: 107.00 FAF: WEKED DIST FAF TO MAP: 4.61 THLD: 4.61
4. MIN. ALT: COSSA 2100, WEKED 1900, JATAV/2.30 NM TO RW11 1160*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1900 GS ALT AT: WEKED 1900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.0 34:1 IS NOT CLEAR
8. MSA FROM: RW11 2600

MAG VAR: 3W EPOCH YEAR: 1985

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	678	1	301	678	1	301	678	1	301		NA				
LNAV/VNAV DA	746	1 1/4	369	746	1 1/4	369	746	1 1/4	369		NA				
LNAV MDA	880	1	503	880	1	503	880	1 3/8	503		NA				
CIRCLING	900	1	523	900	1	523	900	1 1/2	523		NA				

NOTES:
CHART NOTE: BARO-VNAV NA.
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 FORM 8260-10)

QUALITY 3 ORIG

CITY AND STATE	ELEVATION: 377 THRE: 377 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
COCHRAN, GA	COCHRAN	RNAV	RNAV (GPS) RWY 11, AMDT 1 05 MAY 2011	AMDT: ORIG DATED 11/19/2009

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW11 (MAP)	900 MSL	107.03	900
900 MSL	VNA VORTAC (FO)		2100

NOTES, (CONT.):

*LNAV ONLY

CHART NOTE: USE DUBLIN ALTIMETER SETTING; WHEN NOT RECEIVED, USE MIDDLE GEORGIA RGNL ALTIMETER SETTING AND INCREASE LPV DA TO 690, LNAV/VNAV DA TO 758 AND ALL MDA 20 FEET; INCREASE LNAV CAT C VISIBILITY 1/8 MILE.

CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 11 NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MCN VORTAC AIRWAY RADIALS 099 CW 239.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON VNA VORTAC AIRWAY RADIALS 259 CW 065.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 377 THRE: 377	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
COCHRAN, GA	AIRPORT NAME: COCHRAN	RNAV	RNAV (GPS) RWY 11, AMDT 1 05 MAY 2011	AMDT: ORIG DATED: 11/19/2009

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	48A
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	322411.0650N
LTP/FTP LONGITUDE	0831713.6690W
LTP/FTP ELLIPSOIDAL HEIGHT	+00874
FPAP LATITUDE	322349.3800N
FPAP LONGITUDE	0831531.5800W
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	1408
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	B20199BF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01150
FPAP ORTHOMETRIC HEIGHT	+01150

QUALITY CHECKED

CITY AND STATE	ELEVATION: 377 THRE: 377	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
COCHRAN, GA	AIRPORT NAME: COCHRAN	RNAV	RNAV (GPS) RWY 11, AMDT 1 05 MAY 2011	AMDT: ORIG
				DATED: 11/19/2009

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)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MCN   K7011420VTHW N32412826W083384986    N32412826W083384986E0010003812     NARMACON
        SUSAD        VNA   K7011650VTL  N32124839W083295012    N32124839W083295012E0010003001     NARVIENNA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   COSSA K70    W     N32265606W083301437                    W0050     NAR           COSSA
        SUSAEAENRT   HIGEN K70    W     N32211176W083315497                    W0050     NAR           HIGEN
        SUSAEAENRT   JATAV K70    W     N32244461W083195181                    W0051     NAR           JATAV
        SUSAEAENRT   WEKED K70    W     N32251827W083223080                    W0051     NAR           WEKED

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 48A K7A48A     0     044YHN32240580W083164880W003000377        1800018000C    MNAR    COCHRAN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 48A K7FR11   ACOSSA 010COSSAK7EA0EE AL   HF                  10690040    + 02100     18000                A JS
        SUSAP 48A K7FR11   AMCN   010MCN  K7D 0V  A    IF                                          18000                A JS
        SUSAP 48A K7FR11   AMCN   020COSSAK7EA0EE B 010TF                   15640162    + 02100                          A JS
        SUSAP 48A K7FR11   AVNA   010VNA  K7D 0V       IF                                          18000                A JS
        SUSAP 48A K7FR11   AVNA   020HIGENK7EA0E  A 020TF                   35110086    + 02100                          A JS
        SUSAP 48A K7FR11   AVNA   030COSSAK7EA0EE B 010TF                   01690059    + 02100                          A JS
        SUSAP 48A K7FR11   R      010COSSAK7EA0E  I    IF                              + 02100     18000                A JS
        SUSAP 48A K7FR11   R      020WEKEDK7EA1E  F 051TF                   10690067    + 01900                RW11  K7PGA JS
        SUSAP 48A K7FR11   R      020WEKEDK7EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP 48A K7FR11   R      021JATAVK7EA0E S  031TF                   10700023    V 0116001164       -300          A JS
        SUSAP 48A K7FR11   R      030RW11 K7PG0GY M 031TF                   10700023      00431            -300          A JS
        SUSAP 48A K7FR11   R      040         0  M     CA                   1070        + 00900                          A JS
        SUSAP 48A K7FR11   R      050VNA  K7D 0VY  R   DF                              + 02100                          A JS
        SUSAP 48A K7FR11   R      060VNA  K7D 0VE  L   HM                   09000040    + 02100                          A JS
```

CITY AND STATE	ELEVATION: 377 THRE: 377	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
COCHRAN, GA	AIRPORT NAME: COCHRAN	RNAV	RNAV (GPS) RWY 11, AMDT 1 05 MAY 2011	AMDT: ORIG DATED: 11/19/2009

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
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP 48A K7GRW11    0044011071 N32241107W083171367-1000    +00874003770000540 75R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP 48A K7PR11   RW11 001 0000W11A0N3224110650W08317136690+008740300N3223493800W083153158001067514080005 40F400500B20199BF
       SUSAP 48A K7PR11   RW11 002E      +01150+01150LPV       82521

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP 48A K7SRW11 K7PG               0   18018002625                                                                  M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 377 THRE: 377	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
COCHRAN, GA	AIRPORT NAME: COCHRAN	RNAV	RNAV (GPS) RWY 11, AMDT 1 05 MAY 2011	AMDT: ORIG
				DATED: 11/19/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DIYET (IAF)	HILGA (NOPT) (FB)	221.95 / 10.00	2500
CERNU (IAF)	HILGA (NOPT) (FB)	041.81 / 10.00	2500
HILGA (IF/IAF)	CUPPA (FB)	131.88 / 7.20	2000
CUPPA (FAF)	NETTI/2.10 NM TO ZENBO (FB)	131.94 / 2.89	
NETTI/2.10 NM TO ZENBO	ZENBO (MAP) (FO)	131.96 / 2.10	
ZENBO (MAP)	440 MSL	131.96	
440 MSL	HILGA (FO)		2500

This is a corrected copy of a procedure published in TL-09

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: ZENBO

CLIMBING RIGHT TURN TO 2500 DIRECT HILGA AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW HILGA, RT, 131.88 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 131.94 FAF: CUPPA DIST FAF TO MAP: 4.99 THLD: 5.69
4. MIN. ALT: HILGA 2500, CUPPA 2000, NETTI/2.10 NM TO ZENBO 1080*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: CUPPA 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 245 TREE 311627N/0891539W
CHART FAS OBST: 319 TREE 311734N/0891808W
CHART R-4401A/B, DE SOTO 1 MOA.
DISTANCE TO THLD FROM 291 HATH: 0.79 NM.
CHART VDP AT 1.23 MILES TO RW13*
*LNAV ONLY.
WAAS CHANNEL # 86720
REFERENCE PATH ID: W13B
CHART: SHELBY AUXILIARY 1 AIRFIELD
CHART: HAGLER AAF
CHART: LBY VORTAC
LTP HAE: 18.5 M

MAG VAR: 1W 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	440	1	291	440	1	291	440	1	291	440	1	291			
LNAV/VNAV DA	521	1 1/4	372	521	1 1/4	372	521	1 1/4	372	521	1 1/4	372			
LNAV MDA	580	1	431	580	1	431	580	1 1/4	431	580	1 1/4	431			
CIRCLING	620	1	469	620	1	469	620	1 1/2	469	720	2	569			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (109F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: UNCONTROLLED HELICOPTER AND MILITARY AIRLIFT AIRCRAFT IN VICINITY OF HAGLER AAF AND SHELBY AUXILIARY 1 AIRFIELD.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 151 THRE: 149	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HATTIESBURG, MS	AIRPORT NAME: HATTIESBURG BOBBY L CHAIN MUNI	RNAV	RNAV (GPS) Y RWY 13, AMDT 2A 5 MAY 2011	AMDT: 2 DATED 03/10/2011

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

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HATTIESBURG-LAUREL RGNL ALTIMETER SETTING AND INCREASE LPV DA ALL CATS TO 491, LNAV/VNAV DA ALL CATS TO 572, AND ALL MDA 60 FEET; INCREASE LPV ALL CATS AND LNAV CATS C/D VISIBILITY 1/8 MILE, AND INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.
CHART NOTE BARO-VNAV AND VDP NA WHEN USING HATTIESBURG-LAUREL RGNL ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	042/30 CW 222/30 (NOPT)	HILGA (IF/IAF) (FB)	2500
2.	222/30 CW 312/30	DIYET (IAF) (FB)	2500
3.	312/30 CW 042/30	CERNU (IAF) (FB)	2500

CITY AND STATE	ELEVATION: 151 THRE: 149	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HATTIESBURG, MS	AIRPORT NAME: HATTIESBURG BOBBY L CHAIN MUNI	RNAV	RNAV (GPS) Y RWY 13, AMDT 2A 5 MAY 2011	AMDT: 2 DATED: 03/10/2011

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHBG
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13B
LTP/FTP LATITUDE	311607.1235N
LTP/FTP LONGITUDE	0891528.2685W
LTP/FTP ELLIPSOIDAL HEIGHT	+00185
FPAP LATITUDE	311508.5500N
FPAP LONGITUDE	0891409.8000W
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	1200
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	9F6175E1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00454
FPAP ORTHOMETRIC HEIGHT	+00454

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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   CERNU K70    W     N31170005W089342879                     W0006     NAR           CERNU                    I
        SUSAEAENRT   CUPPA K70    W     N31195128W089202903                     W0008     NAR           CUPPA                    I
        SUSAEAENRT   DIYET K70    W     N31320934W089191106                     W0008     NAR           DIYET                    I
        SUSAEAENRT   HILGA K70    W     N31243493W089265054                     W0007     NAR           HILGA                    I
        SUSAEAENRT   NETTI K70    W     N31175751W089175630                     W0008     NAR           NETTI                    I
        SUSAEAENRT   ZENBO K70    W     N31163472W089160527                     W0008     NAR           ZENBO                    I

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHBGK7AHBG     0     060YHN31155380W089151040W001000151         1800018000C    MNAR    HATTIESBURG BOBBY L CHAIN MUNII

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHBGK7FR13-Y ACERNU 010CERNUK7EA0E  A    IF                                          18000                A JS   I
        SUSAP KHBGK7FR13-Y ACERNU 020HILGAK7EA0EE B 010TF                     04180100    + 02500                       A JS   I
        SUSAP KHBGK7FR13-Y ADIYET 010DIYETK7EA0E  A    IF                                          18000                A JS   I
        SUSAP KHBGK7FR13-Y ADIYET 020HILGAK7EA0EE B 010TF                     22200100    + 02500                       A JS   I
        SUSAP KHBGK7FR13-Y AHILGA 010HILGAK7EA0EE AR   HF                     13190050    + 02500     18000             A JS   I
        SUSAP KHBGK7FR13-Y R      010HILGAK7EA0E  I    IF                                 + 02500     18000             A JS   I
        SUSAP KHBGK7FR13-Y R      020CUPPAK7EA1E  F 051TF                     13190072    + 02000                       A JS   I
        SUSAP KHBGK7FR13-Y R      020CUPPAK7EA2WALPV       ALNAV/VNAV ALNAV                                              JS   I
        SUSAP KHBGK7FR13-Y R      021NETTIK7EA0E S  031TF                     13190029    V 0108001080        -300      A JS   I
        SUSAP KHBGK7FR13-Y R      030ZENBOK7EA0EY M 031TF                     13200021      00411             -300      A JS   I
        SUSAP KHBGK7FR13-Y R      040          0  M     CA                    1320        + 00440                       A JS   I
        SUSAP KHBGK7FR13-Y R      050HILGAK7EA0EY  R   DF                                 + 02500                       A JS   I
        SUSAP KHBGK7FR13-Y R      060HILGAK7EA0EE  R   HM                     13190050    + 02500                       A JS   I

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHBGK7GRW13    0060941320 N31160712W089152827-0100    +00185001490996401 50R                                    I
```

CITY AND STATE	ELEVATION: 151 THRE: 149	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HATTIESBURG, MS	AIRPORT NAME: HATTIESBURG BOBBY L CHAIN MUNI	RNAV	RNAV (GPS) Y RWY 13, AMDT 2A 5 MAY 2011	AMDT: 2 DATED: 03/10/2011

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHBGK7PR13-Y RW13 001Y0000W13B0N3116071235W08915282685+00185030ON3115085500W089140980001067512000004O0F4005009F6175E1I
        SUSAP KHBGK7PR13-Y RW13 002E      +00454+00454LPV       86720                                                                 I
```

CITY AND STATE	ELEVATION: 151 THRE: 149	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HATTIESBURG, MS	AIRPORT NAME: HATTIESBURG BOBBY L CHAIN MUNI	RNAV	RNAV (GPS) Y RWY 13, AMDT 2A 5 MAY 2011	AMDT: 2
				DATED: 03/10/2011

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
CAPITAN	ONE	CAP1.CEP	NONE		5 MAY 2011

TYPE: OBSTACLE

This is a corrected copy of a procedure published in TL 11-08.

DP ROUTE DESCRIPTION:

TAKEOFF RWY 6: CLIMB DIRECT CEP NDB, THEN ON CEP BEARING 090.00 TO 11000 BEFORE PROCEEDING ON COURSE.
TAKEOFF RWY 12: CLIMBING LEFT TURN DIRECT CEP NDB, THEN ON CEP BEARING 090.00 TO 11000 BEFORE PROCEEDING ON COURSE.
TAKEOFF RWY 24: CLIMBING LEFT TURN DIRECT CEP NDB, THEN ON CEP BEARING 090.00 TO 11000 BEFORE PROCEEDING ON COURSE.
TAKEOFF RWY 30: CLIMBING RIGHT TURN DIRECT CEP NDB, THEN ON CEP BEARING 090.00 TO 11000 BEFORE PROCEEDING ON COURSE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

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

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS: RWY 6, 12, 24, 30 STANDARD.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 12, TREES BEGINNING 61 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/6728 FT MSL.
NOTE: RWY 24, BUSH 758 FT FROM DER, 374 FT LEFT OF CENTERLINE, UP TO 21 FT AGL/6835 FT MSL. BUSH 659 FT FROM DER, 265 FT RIGHT OF CENTERLINE, UP TO 19 FT AGL/6832 FT MSL.
NOTE: RWY 30, POLES 1092 FT FROM DER, 433 FT LEFT OF CENTERLINE, 72 FT AGL/6847 FT MSL. BUILDINGS 753 FT FROM DER, 410 FT LEFT OF CENTERLINE, 35 FT AGL/6808 FT MSL. VEHICLES ON ROADWAY 436 FT FROM DER, 254 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/6787 FT MSL. SIGN 47 FT FROM DER, 60 FT RIGHT OF CENTERLINE, UP TO 6 FT AGL/6774 FT MSL. SIGNS BEGINNING 72 FT FROM DER, 455 FT LEFT OF CENTERLINE, UP TO 6 FT AGL/6779 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 6, 12, 24, 30 12173 MSL AAO 332229.40N/1054818.50W.

LOST COMMUNICATIONS PROCEDURES:

QUALITY 6 CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
CAPITAN	ONE	CAP1.CEP	NONE		5 MAY 2011

ADDITIONAL FLIGHT DATA:

AIRPORTS SERVED:

SIERRA BLANCA RGNL, NM

COMMUNICATIONS:

ZAB

FIXES AND/OR NAVAIDS:

REMARKS:

03/25/11THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 10/26/2010
1. CHANGED DP COMPUTER CODE FROM CAP1.CAP TO CAP1.CEP

QUALITY CHECKED

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
BUXOM INT/I-VDG 12.39 DME/RADAR (IF)	TRAYL INT/I-VDG 8.99 DME/RADAR	099.03 / 3.40 (I-VDG)	2300
TRAYL INT/I-VDG 8.99 DME/RADAR	BLAZR INT/I-VDG 5.58 DME/RADAR	099.03 / 3.41 (I-VDG)	2000

THIS IS A CORRECTED COPY OF A PROCEDURE PREVIOUSLY PUBLISHED IN TL 11-09.

MISSED APPROACH

ILS: DA
LOC: 5.58 MILES AFTER BLAZR INT/I-VDG 5.58 DME/RADAR

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 4200 ON BTG VORTAC R-160 TO BTG VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4200, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 4200 ON PDX VOR/DME R-344 TO BTG VORTAC/PDX 9.27 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4200, HOLD N, RT, 163.83

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 163.83 INBOUND.
CHART FAS OBST: 157 CRANE 453644N/1223841W
CHART (ZZZZZ) AT LOC MAP
CHART 298 TOWER 453741N/1223955W
CHART PEARSON FIELD
DO NOT CHART ALTERNATE MA HOLDING
CHART PDX VOR/DME R-344/9.27 DME AT BTG VORTAC

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT BUXOM
3. FAC: 099.03 FAF: BLAZR INT/I-VDG 5.58 DME/RADAR DIST FAF TO MAP: 5.48 THLD: 5.93
4. MIN. ALT: TRAYL 2300, BLAZR 2000, JALAG INT/I-VDG 2.81 DME/RADAR 1100*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 946
6. MIN GS INCPT: 2000 GS ALT AT: BLAZR 2000 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 49.6
8. MSA FROM: BTG VORTAC 120-300 3500, 300-120 6200

MAG VAR: 20E EPOCH YEAR: 1980

MINIMUMS

TAKEOFF: 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 10L	293	2000	263	293	2000	263	293	2000	263	293	2000	263			
S-LOC 10L	420	2400	390	420	2400	390	420	2400	390	420	4000	390			
CIRCLING	720	1	689	740	1	709	760	2	729	1000	3	969			

NOTES:
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI 3.00/TCH 60).
*LOC ONLY
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 10L VISIBILITY TO RVR 5000 ALL CATS.
CHART NOTE: RVR 20 WITH FLIGHT DIRECTOR OR AUTOPILOT OR HUD TO DA.

CAT A 700-2, CAT B 800-2, CAT C 800-2, CAT D 1000-3
@ CAT D 1000-3

QUALITY CHECKED

CITY AND STATE	ELEVATION: 31 TDZE: 30	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PORTLAND, OR	AIRPORT NAME: PORTLAND INTL	I-VDG	ILS OR LOC RWY 10L, AMDT 3A	AMDT: 3
			05 MAY 2011	DATED 09/23/2010

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MEDIN (IAF)	JUMDI (TF) (FB) (RNP 1.00)	096.84 / 14.42	6000
JUMDI	WAFSY (TF) (FB) (RNP 1.00)	114.77 / 7.00	3000
WAFSY (IF)	HUKAX (TF) (FB) (RNP 1.00)	114.83 / 5.71	2500
HUKAX	ZOLUR (RF) (FB) (RNP 0.50)	(2.24 NM RADIUS CW IXINY)/2.26	2100
ZOLUR	ZIGDA (RF) (FB) (RNP 0.50)	(2.24 NM RADIUS CW IXINY)/1.56	1700
(SEE FORM 8260-10)			

This is a corrected copy of a procedure published in TL 11-09.
***Note: ONLY this page has corrections, all other pages of this procedure remain accurate as published. ***

MISSED APPROACH

MAP: DA

CLIMB TO 3100 ON TRACK 212.79 TO HULOK AND LEFT TURN ON TRACK 137.28 TO EMBOW AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ZIGDA
3. FAC: 212.80 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: ____
5. DIST TO THLD FROM OM: 2.77 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1700 GS ALT AT: ZIGDA 1700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 # 34:1 IS CLEAR
8. MSA FROM: RW21 4200

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 340.00 INBOUND.
CHART A-635.
DISTANCE TO THLD FROM 392 HATH: 1.06 NM.
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
CHART MAXIMUM 9000 AT MEDIN
#TCH 816.7 MSL (DO NOT CHART)
CHART AT OR ABOVE 6000 AT ELKAY

MAG VAR: 8E 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
AUTHORIZATION REQUIRED															
RNP 0.30 DA	1154	1 1/4	392	1154	1 1/4	392	1154	1 1/4	392	1154	1 1/4	392			

NOTES:
CHART NOTE: GPS REQUIRED.
CHART PLANVIEW NOTE AT HUKAX : MAX 180 KIAS.
CHART PLANVIEW NOTE AT WUDEL : MAX 180 KIAS.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 809 THRE: 762 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN ANTONIO, TX	SAN ANTONIO INTL	RNAV	RNAV (RNP) Z RWY 21, ORIG 5 MAY 2011	AMDT: NONE DATED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
SHERMAN/DENISON, TX	NORTH TEXAS RGNL/PERRIN FIELD	5 MAY 2011	ORIG

TAKEOFF MINIMUMS:

RWY 13, 17L, 31, 35R STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 17L - CLIMB HEADING 175.78 TO 1800 BEFORE TURNING RIGHT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, RISING TERRAIN BEGINNING 48 FT FROM DER, 202 FT LEFT OF CENTERLINE, 745 FT MSL. PLANE ON TXY 521 FT FROM DER, 48 FT LEFT OF CENTERLINE, UP TO 55 FT AGL/804 FT MSL. TREES BEGINNING 3299 FT FROM DER, 519 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/859 FT MSL.

NOTE: RWY 17L, VEHICLE ON ROAD 123 FT FROM DER, 446 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/784 FT MSL. POLE 1088 FT FROM DER, 740 FT LEFT OF CENTERLINE, 10 FT AGL/779 FT MSL. RIG 3711 FT FROM DER, 821 FT LEFT OF CENTERLINE, 96 FT AGL/861 FT MSL.

NOTE: RWY 31, PLANE ON TXY 605 FT FROM DER, 620 FT RIGHT OF CENTERLINE, UP TO 25 FT AGL/854 FT MSL. TREES BEGINNING 1791 FT FROM DER, 445 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/819 FT MSL.

NOTE: RWY 35R, PLANE ON TXY 242 FT FROM DER, 440FT RIGHT OF CENTERLINE, UP TO 25 FT AGL/764 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 17L - 2719 FT MSL TOWER 333208.00N/0964955.00W.

This is a corrected copy of a procedure in TL 11-09.
All reference to Rwy 17-35 is changed to Rwy 17L-35R.

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
ACT VORTAC	OMOBE (FO)	136.17 / 18.65	2300
TPL VOR/DME	OMOBE (FO)	050.62 / 22.10	2900
OMOBE (IF/IAF)	RUBDY (FB)	350.56 / 7.60	2300
RUBDY (FAF)	OLHUF/2.00 NM TO RW35R (FB)	350.55 / 3.67	
OLHUF/2.00 NM TO RW35R	RW35R (MAP) (FO)	350.55 / 2.00	
RW35R (MAP)	860 MSL	350.55	
860 MSL	CUKAV (FO)		2300

MISSED APPROACH

LNAV: RW35R

CLIMB TO 2300 DIRECT CUKAV AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, LT, 170.55 INBOUND.
CHART FAS OBST: 602 TANK 313629N/0970456W
CHART VDP AT 1.15 MILES TO RW35R.
RUBDY TO RW35R: 3.00/39.
CHART: ASR

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S OMOBE, RT, 350.56 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
3. FAC: 350.55 FAF: RUBDY DIST FAF TO MAP: 5.67 THLD: 5.67
4. MIN. ALT: OMOBE 2300, RUBDY 2300, OLHUF/2.00 NM TO RW35R 1120
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: RW35R 3600

MAG VAR: 7E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	860	1	404	860	1	404	860	1 1/8	404	860	1 1/8	404			
CIRCLING	940	1	470	960	1	490	1040	1 1/2	570	1040	2	570			

This is a corrected copy of a procedure published in TL 11-08.
***Note: ONLY this page has corrections, all other pages of this procedure remain accurate as published. ***

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VDP NA WITH WACO RGNL ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ACT VORTAC ON AIRWAY RADIALS 050 CW 181.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WACO RGNL ALTIMETER SETTING AND (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 470 THRE: 456 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WACO, TX	TSTC WACO	RNAV	RNAV (GPS) RWY 35R, ORIG 5 MAY 2011	AMDT: NONE
				DATED

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30776 ; Amdt. No. 3420]

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 April 1, 2011

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 5 MAY 2011

Deadhorse, AK, Deadhorse, RNAV (RNP) Z RWY 5, Orig
Deadhorse, AK, Deadhorse, RNAV (RNP) Z RWY 23, Orig
Fairhope, AL, H L Sonny Callahan, RNAV (GPS) RWY 1, Amdt 2
Fairhope, AL, H L Sonny Callahan, RNAV (GPS) RWY 19, Amdt 2
Fairhope, AL, H L Sonny Callahan, Takeoff Minimums and Obstacle DP, Amdt 1
Fairhope, AL, H L Sonny Callahan, VOR/DME-A, Amdt 7
Gulf Shores, AL, Jack Edwards, ILS OR LOC RWY 27, Amdt 1
Gulf Shores, AL, Jack Edwards, RNAV (GPS) RWY 9, Amdt 3
Gulf Shores, AL, Jack Edwards, RNAV (GPS) RWY 27, Amdt 2
Montgomery, AL, Montgomery Rgnl (Dannelly Field), ILS OR LOC RWY 28, Amdt 10
Montgomery, AL, Montgomery Rgnl (Dannelly Field), NDB RWY 10, Amdt 19
Montgomery, AL, Montgomery Rgnl (Dannelly Field), RADAR-1, Amdt 9
Montgomery, AL, Montgomery Rgnl (Dannelly Field), RNAV (GPS) RWY 3, Amdt 1
Montgomery, AL, Montgomery Rgnl (Dannelly Field), RNAV (GPS) RWY 10, Amdt 1
Montgomery, AL, Montgomery Rgnl (Dannelly Field), RNAV (GPS) RWY 28, Amdt 1
Montgomery, AL, Montgomery Rgnl (Dannelly Field), VOR-A, Amdt 4
Almyra, AR, Almyra Muni, VOR/DME-A, Amdt 6, CANCELLED
Corning, AR, Corning Muni, Takeoff Minimums and Obstacle DP, Orig
Jonesboro, AR, Jonesboro Muni, RNAV (GPS) RWY 5, Orig
Pine Bluff, AR, Grider Field, RNAV (GPS) RWY 18, Amdt 1
Pine Bluff, AR, Grider Field, RNAV (GPS) RWY 36, Amdt 1
Pine Bluff, AR, Grider Field, Takeoff Minimums and Obstacle DP, Orig
Hayward, CA, Hayward Executive, LOC/DME RWY 28L, Amdt 2
Hayward, CA, Hayward Executive, VOR/DME-B, Amdt 2
Napa, CA, Napa County, VOR RWY 6, Amdt 13
Atlanta, GA, Hartsfield-Jackson Atlanta Intl, ILS OR LOC RWY 10, ILS RWY 10 (SA CAT I), ILS RWY 10 (CAT II), ILS RWY 10 (CAT III), Amdt 2
Atlanta, GA, Hartsfield-Jackson Atlanta Intl, ILS OR LOC RWY 28, ILS RWY 28 (SA CAT I), ILS RWY 28 (CAT II), Amdt 2
Atlanta, GA, Hartsfield-Jackson Atlanta Intl, ILS PRM RWY 10, ILS RWY 10 (CAT II), ILS RWY 10 (CAT III), (Simultaneous Close Parallel), Amdt 2
Atlanta, GA, Hartsfield-Jackson Atlanta Intl, ILS PRM RWY 28, ILS RWY 28 (CAT II), (Simultaneous Close Parallel), Amdt 2
Atlanta, GA, Hartsfield-Jackson Atlanta Intl, RNAV (GPS) Y RWY 10, Amdt 2
Atlanta, GA, Hartsfield-Jackson Atlanta Intl, RNAV (GPS) Y RWY 28, Amdt 2
Atlanta, GA, Hartsfield-Jackson Atlanta Intl, RNAV (RNP) Z RWY 10, Amdt 1
Atlanta, GA, Hartsfield-Jackson Atlanta Intl, RNAV (RNP) Z RWY 28, Amdt 1
Lawrenceville, GA, Gwinnett County-Briscoe Field, NDB RWY 25, Amdt 1
Lawrenceville, GA, Gwinnett County-Briscoe Field, VOR/DME RWY 7, Amdt 2
Macon, GA, Macon Downtown, LOC RWY 10, Amdt 7
Macon, GA, Macon Downtown, RNAV (GPS) RWY 10, Amdt 1
Macon, GA, Macon Downtown, RNAV (GPS) RWY 28, Amdt 1

Bloomington/Normal, IL, Central Il Rgnl Arpt at Bloomington-Normal, ILS OR LOC RWY 29, Amdt 10
Bloomington/Normal, IL, Central Il Rgnl Arpt at Bloomington-Normal, LOC BC RWY 11, Amdt 10
Larned, KS, Larned-Pawnee County, NDB RWY 17, Amdt 4
Larned, KS, Larned-Pawnee County, RNAV (GPS) RWY 17, Orig
Larned, KS, Larned-Pawnee County, RNAV (GPS) RWY 35, Orig
Marysville, KS, Marysville Muni, Takeoff Minimums and Obstacle DP, Amdt 1
Patterson, LA, Harry P Williams Memorial, ILS OR LOC/DME RWY 24, Amdt 2
Patterson, LA, Harry P Williams Memorial, RNAV (GPS) RWY 24, Amdt 1
Vineyard Haven, MA, Marthas Vineyard, RNAV (GPS) RWY 6, Amdt 1
Sanford, ME, Sanford Rgnl, ILS OR LOC RWY 7, Amdt 4
Sanford, ME, Sanford Rgnl, RNAV (GPS) RWY 7, Orig
Sanford, ME, Sanford Rgnl, RNAV (GPS) RWY 25, Orig
Sanford, ME, Sanford Rgnl, Takeoff Minimums and Obstacle DP, Amdt 3
Sanford, ME, Sanford Rgnl, VOR RWY 7, Amdt 4
Sanford, ME, Sanford Rgnl, VOR RWY 25, Amdt 14
Battle Creek, MI, W K Kellogg, Takeoff Minimums and Obstacle DP, Amdt 3
Niles, MI, Jerry Tyler Memorial, VOR OR GPS RWY 4, Amdt 7A CANCELLED
Niles, MI, Jerry Tyler Memorial, VOR OR GPS RWY 22, Amdt 3A CANCELLED
Buffalo, MN, Buffalo Muni, RNAV (GPS) RWY 36, Orig
Buffalo, MN, Buffalo Muni, VOR-A, Orig
Buffalo, MN, Buffalo Muni, VOR OR GPS-B, Amdt 4, CANCELLED
Hallock, MN, Hallock Muni, GPS RWY 31, Orig, CANCELLED
Hallock, MN, Hallock Muni, RNAV (GPS) RWY 31, Orig
Hallock, MN, Hallock Muni, Takeoff Minimums and Obstacle DP, Orig
Little Falls, MN, Little Falls/Morrison County-Lindbergh Fld, GPS RWY 31, Orig-A, CANCELLED
Little Falls, MN, Little Falls/Morrison County-Lindbergh Fld, RNAV (GPS) RWY 31, Orig
Marshall, MN, Southwest Minnesota Rgnl/Marshall/Ryan Fld, GPS RWY 30, Orig-A, CANCELLED
Marshall, MN, Southwest Minnesota Rgnl/Marshall/Ryan Fld, RNAV (GPS) RWY 30, Orig
St Paul, MN, Lake Elmo, NDB RWY 4, Amdt 5
St Paul, MN, Lake Elmo, RNAV (GPS) RWY 32, Amdt 1
Moberly, MO, Omar N Bradley, VOR/DME RNAV OR GPS RWY 13, Amdt 1, CANCELLED
Moberly, MO, Omar N Bradley, VOR/DME RNAV OR GPS RWY 31, Amdt 1, CANCELLED
Clarksdale, MS, Fletcher Field, RNAV (GPS) RWY 18, Amdt 1
Clarksdale, MS, Fletcher Field, RNAV (GPS) RWY 36, Amdt 1
Tunica, MS, Tunica Muni, ILS or LOC/DME RWY 35, Amdt 1
Tunica, MS, Tunica Muni, RNAV (GPS) RWY 17, Amdt 3
Tunica, MS, Tunica Muni, RNAV (GPS) RWY 35, Amdt 2
Tunica, MS, Tunica Muni, VOR/DME-A, Orig

Bismarck, ND, Bismarck Muni, ILS OR LOC RWY 13, Amdt 3
Bismarck, ND, Bismarck Muni, ILS OR LOC RWY 31, Amdt 33
Bismarck, ND, Bismarck Muni, RNAV (GPS) RWY 3, Amdt 2
Bismarck, ND, Bismarck Muni, RNAV (GPS) RWY 13, Orig
Bismarck, ND, Bismarck Muni, RNAV (GPS) RWY 21, Amdt 1
Bismarck, ND, Bismarck Muni, RNAV (GPS) RWY 31, Amdt 1
Bismarck, ND, Bismarck Muni, VOR-A, Amdt 21
Walhalla, ND, Walhalla Muni, Takeoff Minimums and Obstacle DP, Orig
Creighton, NE, Creighton Muni, RNAV (GPS) RWY 13, Orig
Creighton, NE, Creighton Muni, RNAV (GPS) RWY 31, Orig
Creighton, NE, Creighton Muni, Takeoff Minimums and Obstacle DP, Orig
Lincoln, NE, Lincoln, VOR RWY 17, Amdt 7
Lincoln, NE, Lincoln, VOR RWY 18, Amdt 13
Nashua, NH, Boire Field, RNAV (GPS) RWY 32, Orig-A
Poughkeepsie, NY, Dutchess County, ILS OR LOC RWY 6, Amdt 6A
Poughkeepsie, NY, Dutchess County, RNAV (GPS) RWY 6, Orig-A
Poughkeepsie, NY, Dutchess County, VOR/DME RWY 6, Amdt 6A
Watertown, NY, Watertown Intl, ILS OR LOC RWY 7, Amdt 7
Watertown, NY, Watertown Intl, RNAV (GPS) RWY 7, Amdt 2
Watertown, NY, Watertown Intl, VOR RWY 7, Amdt 14
White Plains, NY, Westchester County, ILS OR LOC RWY 16, Amdt 23A
Cadiz, OH, Harrison County, GPS RWY 13, Orig, CANCELLED
Cadiz, OH, Harrison County, GPS RWY 31, Orig, CANCELLED
Cadiz, OH, Harrison County, RNAV (GPS) RWY 13, Orig
Cadiz, OH, Harrison County, RNAV (GPS) RWY 31, Orig
Cadiz, OH, Harrison County, Takeoff Minimums and Obstacle DP, Amdt 3
Cleveland, OH, Cleveland-Hopkins Intl, CONVERGING ILS RWY 24R, Amdt 1
Cleveland, OH, Cleveland-Hopkins Intl, ILS OR LOC RWY 6R, ILS RWY 6R (SA CAT II), Amdt 21
Cleveland, OH, Cleveland-Hopkins Intl, ILS OR LOC RWY 24L, ILS RWY 24L (SA CAT II), Amdt 22
Cleveland, OH, Cleveland-Hopkins Intl, ILS OR LOC/DME RWY 24R, ILS RWY 24R (CAT II), ILS RWY 24R (CAT III), ILS RWY 24R (SA CAT I), Amdt 5
Cleveland, OH, Cleveland-Hopkins Intl, ILS PRM RWY 24R (Simultaneous Close Parallel), Amdt 1
Cleveland, OH, Cleveland-Hopkins Intl, RNAV (GPS) RWY 24L, Amdt 3
Cleveland, OH, Cleveland-Hopkins Intl, RNAV (GPS) RWY 24R, Amdt 3
Oklahoma City, OK, Wiley Post, ILS OR LOC RWY 35R, Orig
Scappoose, OR, Scappoose Industrial Airpark, RNAV (GPS) RWY 15, Orig
Scappoose, OR, Scappoose Industrial Airpark, VOR/DME-A, Amdt 3
St. George, SC, St George, VOR/DME-A, Amdt 2, CANCELLED
Dyersburg, TN, Dyersburg Rgnl, Takeoff Minimums and Obstacle DP, Amdt 1
Gallatin, TN, Summer County Rgnl, Takeoff Minimums and Obstacle DP, Amdt 3

Charlottesville, VA, Charlottesville-Albemarle, ILS OR LOC RWY 3, Amdt 14, CANCELLED
Charlottesville, VA, Charlottesville-Albemarle, ILS OR LOC RWY 3, Orig
Burlington, VT, Burlington Intl, RNAV (GPS) RWY 33, Orig, CANCELLED
Burlington, VT, Burlington Intl, RNAV (GPS) Y RWY 33, Orig
Burlington, VT, Burlington Intl, RNAV (GPS) Z RWY 33, Orig
Amery, WI, Amery Muni, NDB RWY 18, Amdt 6A, CANCELLED
Madison, WI, Dane County Rgnl-Traux Field, RNAV (GPS) RWY 14, Amdt 2
Madison, WI, Dane County Rgnl-Traux Field, RNAV (GPS) RWY 32, Amdt 2
Madison, WI, Dane County Rgnl-Traux Field, Takeoff Minimums and Obstacle DP, Amdt 8
Madison, WI, Dane County Rgnl-Traux Field, VOR RWY 18, Amdt 1
Madison, WI, Dane County Rgnl-Traux Field, VOR RWY 32, Amdt 1
Middleton, WI, Middleton Muni-Morey Field, VOR RWY 10, Amdt 10
Mosinee, WI, Central Wisconsin, ILS OR LOC RWY 8, Amdt 13
Mosinee, WI, Central Wisconsin, ILS OR LOC RWY 35, Amdt 2
Mosinee, WI, Central Wisconsin, RNAV (GPS) RWY 8, Amdt 1
Mosinee, WI, Central Wisconsin, RNAV (GPS) RWY 17, Amdt 1
Mosinee, WI, Central Wisconsin, RNAV (GPS) RWY 26, Amdt 1
Mosinee, WI, Central Wisconsin, RNAV (GPS) RWY 35, Amdt 1
Mosinee, WI, Central Wisconsin, VOR/DME RWY 35, Amdt 9
Waupaca, WI, Waupaca Muni, RNAV (GPS) RWY 10, Amdt 1
Waupaca, WI, Waupaca Muni, RNAV (GPS) RWY 28, Amdt 1

On March 4, 2011 (76 FR 11944) the FAA published an Amendment in Docket No. 30770, Amdt 3414 to Part 97 of the Federal Aviation Regulations under section 97.33. The following entries, published in TL 11-07 effective for 05 MAY 2011, are hereby rescinded:

Hartford, CT, Hartford-Brainard, LDA RWY 2, Amdt 1G
Hartford, CT, Hartford-Brainard, VOR OR GPS-A, Amdt 9C

On March 25, 2011 (76 FR 16690) the FAA published an Amendment in Docket No. 30772, Amdt 3416 to Part 97 of the Federal Aviation Regulations under section 97.33. The following entry, published in TL 11-08 effective for 05 MAY 2011, is hereby rescinded:

Kamuela, HI, Waimea-Kohala, RNAV (GPS) RWY 4, Amdt 1

On March 25, 2011 (76 FR 16691) the FAA published an Amendment in Docket No. 30772, Amdt 3416 to Part 97 of the Federal Aviation Regulations under section 97.33. The following entries, published in TL 11-08 effective for 05 MAY 2011, are hereby rescinded:

Kamuela, HI, Waimea-Kohala, VOR/DME RWY 4, Amdt 1
Niles, MI, Jerry Tyler Memorial, VOR OR GPS RWY 3, Amdt 7A, CANCELLED
Niles, MI, Jerry Tyler Memorial, VOR OR GPS RWY 21, Amdt 3A,CANCELLED

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
OOSIK (40E)	**WEDAD (TF) (FB) (RNP 1.40) (40E)(43A)**	**101.79 / 19.76**	**4000**
WEDAD (IAF) (40E)(43A)	**FONBA (TF) (FB) (RNP 1.00) (40E)**	**102.54 / 7.00**	**2700**
FONBA (40E)	**RINLE (RF) (FB) (RNP 1.00) (40E) (41E)**	**(4.50 NM RADIUS CCW DMBGW) / 4.02**	**1600**
BIXER (40E)	**PIMBE (TF) (FB) (RNP 2.00) (40E)(43A)**	**323.42 / 34.01**	**4000**
PIMBE (IAF) (40E)(43A)	**MAZAT (TF) (FB) (RNP 1.00) (40E)**	**323.05 / 5.00**	**3400**
WOKET (IAF) (40E)(43A) (CONT'D ON PG 2)	**KLOUT (TF) (FB) (RNP 1.00) (40E)**	**232.06 / 4.02**	**4000**

MISSED APPROACH

MAP: DA

CLIMB TO 4000' ON TRACK 051.99 TO HITRA, RIGHT TURN TO JONTA, THEN TRACK 232.36 TO WOKET AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 232.36 INBOUND
CHART FAS OBS: 54 TERRAIN 701106N/1483056W
CHART FAS OBS: 56 TERRAIN 701046N/1483117W
CHART R-2204

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. **PROFILE STARTS AT RINLE**
3. FAC: **051.87** FAF: ____ DIST FAF TO MAP: **2.77** THLD: ____
4. MIN. ALT: **RINLE 1600**
5. DIST TO THLD FROM OM: **2.77** MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: **1000** GS ALT AT: **BOLDT 1000** OM: ____ MM: ____ IM: ____
7. GS ANGLE: **3.00** TCH: **55.0 # 34:1 IS CLEAR**
8. MSA FROM: **RW05 2300**

DISTANCE TO THLD FROM 302 HAT: 0.77 NM

ROUTE TYPE: A, R, Z
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: A
#TCH 119.3 MSL (DO NOT CHART)

MAG VAR: **23E** 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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.15 DA	**366**	**2400**	**302**	**366**	**2400**	**302**	**366**	**2400**	**302**	**366**	**2400**	**302**			
RNP 0.30 DA	**431**	**3500**	**366**	**431**	**3500**	**366**	**431**	**3500**	**366**	**431**	**3500**	**366**			

NOTES:
CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -23C (-11F) OR ABOVE 32C (90F). & NA WHEN LOCAL WEATHER NOT AVAILABLE
RF REQUIRED.
(CONTINUED ON PG 2)

CITY AND STATE	ELEVATION: **65** TDZE: **65** AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DEADHORSE, AK	**DEADHORSE**	**RNAV**	05 MAY 2011 **RNAV (RNP) Z RWY 5, ORIG**	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.

TERMINAL ROUTES (CONT'D)

FROM	TO	COURSE AND DISTANCE	ALTITUDE
KLOUT (40E)	MAZAT (RF) (FB) (RNP 1.00) (40E)	(4.50 NM RADIUS CW DMCDS) / 7.18	3400
MAZAT (40E)	RINLE (RF) (FB) (RNP 1.00) (40E) (41E)	(4.50 NM RADIUS CW DMCDS) / 6.96	1600
RINLE (IF) (40E)	BOLDT (TF) (FB) (RNP 1.00) (40E) (43F)	051.77 / 2.16	1000
BOLDT (FAF) (40E) (43F)	RW05 (TF) (FO) (40G) (41Y) (43M)	051.87 / 2.77	
RW05 (MAP) (40G) (41Y) (43M)	HITRA (TF) (FB) (RNP 1.00) (40E) (42M)	051.99 / 6.02	
HITRA (40E) (42M)	JONTA (RF) (FB) (RNP 1.00) (40E)	(4.50 NM RADIUS CW CFHLK) / 14.14	
JONTA (40E)	WOKET (TF) (FO) (RNP 1.00) (40E) (41Y)	232.36 / 6.93	4000

NOTES (CONT'D)

CHART PLANVIEW NOTES: PROCEDURE NA FOR ARRIVALS AT OOSIK VIA V438 NORTHWEST BOUND AND AT BIXER VIA V436 SOUTHEAST BOUND AND AT WOKET VIA V436 SOUTHEAST BOUND

CHART PLANVIEW NOTE AT OOSIK: (RNP 1.40)

CHART PLANVIEW NOTE AT JONTA: DO NOT EXCEED 250 KIAS UNTIL JONTA

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT

CHART NOTE: FOR INOPERATIVE MALSR INCREASE RNP 0.15 ALL CATS VISIBILITY TO RVR 4500, RNP 0.30 ALL CATS VISIBILITY TO RVR 5500

CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, PROCEDURE NA.

CITY AND STATE	ELEVATION: 65 TDZE: 65 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DEADHORSE, AK	DEADHORSE	RNAV	RNAV (RNP) Z RWY 5, ORIG	AMDT: NONE
			05 MAY 2011	DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD **INSTRUMENT APPROACH PROCEDURE**

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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

Arpt ID	Arpt ICAO	Proc Type	Proc ID
PASC	PA	APP	R05-Z

Tran Id	Seq	RT	Path Term	Fix Id	Fix ICAO	Fix SS	Wypt Desc	Crs	Tr Dir	Alt Code	Alt 1	Alt 2	Spd Code	Spd Lim	Rec Nav	R.N. ICAO	R.N. SS	Dist	Time	Theta	Rho	MSA Id	ICAO	SS	M C	Trans Alt	Vert Angle	RNP
	010	RP	IF	RINLE	PA	PC	E			+	01600																	101
	020	RP	TF	BOLDT	PA	PC	E F			+	01000																	101
	030	RP	TF	RW05	PA	PG	GY M				00119																-300	302
	040	ZPA	TF	HITRA	PA	PC	E M																					101
	050	ZPA	RF	JONTA	PA	PC	E		R				-	250				0045				CFHLK	PA	PC				101
	060	ZPA	TF	WOKET	PA	PC	EY			+	04000																	101
	070	ZPA	HM	WOKET	PA	PC	EE H	2320	L	+	04000							0040										101
BIXER	010	AP	IF	BIXER	PA	EA	E			+	04000																	201
BIXER	020	AP	TF	PIMBE	PA	PC	E			+	04000																	201
BIXER	030	AP	TF	MAZAT	PA	PC	E			+	03400																	101
BIXER	040	AP	RF	RINLE	PA	PC	EE		R	+	01600							0045				DMCDS	PA	PC				101
OOSIK	010	AP	IF	OOSIK	PA	EA	E			+	04000																	141
OOSIK	020	AP	TF	WEDAD	PA	PC	E			+	04000																	141
OOSIK	030	AP	TF	FONBA	PA	PC	E			+	02700																	101
OOSIK	040	AP	RF	RINLE	PA	PC	EE		L	+	01600							0045				DMBGW	PA	PC				101
WOKET	010	AP	IF	WOKET	PA	PC	E			+	04000																	101
WOKET	020	AP	TF	KLOUT	PA	PC	E			+	04000																	101
WOKET	030	AP	RF	MAZAT	PA	PC	E		R	+	03400							0045				DMCDS	PA	PC				101
WOKET	040	AP	RF	RINLE	PA	PC	EE		R	+	01600							0045				DMCDS	PA	PC				101

RW05 N70-11-32.85 W148-29-25.65
BIXER N69-27-07.84 W148-25-56.07
BOLDT N70-10-49.87 W148-37-16.11
CFHLK N70-08-45.09 W148-08-57.52
DMBGW N70-14-35.63 W148-46-51.81
DMCDS N70-05-56.49 W148-39-55.48
FONBA N70-10-57.62 W148-54-37.06
HITRA N70-13-05.29 W148-12-18.94
JONTA N70-04-24.82 W148-05-37.51
KLOUT N70-01-36.81 W148-36-29.49
MAZAT N70-04-51.84 W148-52-41.71
OOSIK N70-26-21.95 W149-59-08.99
PIMBE N70-00-01.78 W148-49-10.38
RINLE N70-10-16.09 W148-43-22.92
WEDAD N70-15-01.67 W149-11-20.62
WOKET N70-02-39.11 W148-25-10.52

CITY AND STATE	ELEVATION: 65 TDZE: 65 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DEADHORSE, AK	DEADHORSE	RNAV	RNAV (RNP) Z RWY 5, ORIG	AMDT: NONE
			05 MAY 2011	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
OOSIK (40E)	**OSORE (TF) (FB) (RNP 1.20) (40E)(43A)**	**073.43 / 30.78**	**4000**
OSORE (IAF) (40E)(43A)	**HEBER (TF) (FB) (RNP 1.00) (40E)**	**074.85 / 5.00**	**4000**
HEBER (40E)	**HITRA (RF) (FB) (RNP 1.00) (40E) (41E)**	**(4.50 NM RADIUS CW CFDKR) / 12.34**	**1600**
BIXER (40E)	**WENGI (TF) (FB) (RNP 2.00) (40E)(43A)**	**351.01 / 36.96**	**4000**
WENGI (IAF) (40E)(43A)	**HOSAT (TF) (FB) (RNP 1.00) (40E)**	**351.42 / 5.00**	**4000**
WOKET (IAF) (40E)(43A) (CONT'D ON PG 2)	**JONTA (TF) (FB) (RNP 1.00) (40E)**	**052.06 / 6.93**	**4000**

MISSED APPROACH

MAP: DA

CLIMB TO 4000' ON TRACK 232.04 TO RINLE, LEFT TURN TO KLOUT, THEN TRACK 051.88 TO WOKET AND HOLD

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 051.88 INBOUND
CHART FAS OBS: 65 VEHICLE 701215N/1482438W
CHART FAS OBS: 65 VEHICLE 701237N/1482419W
CHART R-2204

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. **PROFILE STARTS AT HITRA**
3. FAC: **232.16** FAF: ____ DIST FAF TO MAP: **2.80** THLD: ____
4. MIN. ALT: **HITRA 1600**
5. DIST TO THLD FROM OM: **2.80** MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: **1000** GS ALT AT: **CAMOL 1000** OM: ____ MM: ____ IM: ____
7. GS ANGLE: **3.00** TCH: **51.0 # 34:1 IS CLEAR**
8. MSA FROM: **RW23 2300**

DISTANCE TO THLD FROM 318 HAT: 0.85 NM
ROUTE TYPE: A, R, Z
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: A
#TCH 109.0 MSL (DO NOT CHART)

MAG VAR: **23E** 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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.15 DA	**381**	**2400**	**318**	**381**	**2400**	**318**	**381**	**2400**	**318**	**381**	**2400**	**318**			
RNP 0.30 DA	**444**	**3500**	**381**	**444**	**3500**	**381**	**444**	**3500**	**381**	**444**	**3500**	**381**			

NOTES:
CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -24C (-12F) OR ABOVE 32C (90F). & NA WHEN LOCAL WEATHER NOT AVAILABLE
RF REQUIRED.
(CONTINUED ON PG 2)

CITY AND STATE	ELEVATION: **65** TDZE: **63** AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DEADHORSE, AK	**DEADHORSE**	**RNAV**	05 MAY 2011 **RNAV (RNP) Z RWY 23, ORIG**	AMDT: **NONE** DATED

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TERMINAL ROUTES (CONT'D)

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JONTA (40E)	HOSAT (RF) (FB) (RNP 1.00) (40E)	(4.50 NM RADIUS CCW CFHLK) / 4.79	4000
HOSAT (40E)	HITRA (RF) (FB) (RNP 1.00) (40E) (41E)	(4.50 NM RADIUS CCW CFHLK) / 9.34	1600
HITRA (IF) (40E)	CAMOL (TF) (FB) (RNP 1.00) (40E) (43F)	232.26 / 2.16	1000
CAMOL (FAF) (40E) (43F)	RW23 (TF) (FO) (40G) (41Y) (43M)	232.16 / 2.80	
RW23 (MAP) (40G) (41Y) (43M)	RINLE (TF) (FB) (RNP 1.00) (40E) (42M)	232.04 / 5.99	
RINLE (40E) (42M)	KLOUT (RF) (FB) (RNP 1.00) (40E)	(4.50 NM RADIUS CCW DMCDS) / 14.14	
KLOUT (40E)	WOKET (TF) (FO) (RNP 1.00) (40E) (41Y)	051.88 / 4.02	4000

NOTES (CONT'D)

CHART PLANVIEW NOTES: PROCEDURE NA FOR ARRIVALS AT OOSIK VIA V438 NORTHWEST BOUND AND AT BIXER VIA V436 SOUTHEAST BOUND AND AT WOKET VIA V436 SOUTHEAST BOUND

CHART PLANVIEW NOTE AT OOSIK: (RNP 1.20)

CHART PLANVIEW NOTE AT KLOUT: DO NOT EXCEED 250 KIAS UNTIL KLOUT

CHART NOTE: FOR INOPERATIVE MALSR INCREASE RNP 0.15 ALL CATS VISIBILITY TO RVR 4500, RNP 0.30 ALL CATS VISIBILITY TO RVR 6000

CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, PROCEDURE NA.

CITY AND STATE	ELEVATION: 65 TDZE: 63 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DEADHORSE, AK	DEADHORSE	RNAV	05 MAY 2011 RNAV (RNP) Z RWY 23, ORIG	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD **INSTRUMENT APPROACH PROCEDURE**

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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Arpt ID	Arpt ICAO	Proc Type	Proc ID
PASC	PA	APP	R23-Z

Tran Id	Seq	RT	Path Term	Fix Id	Fix ICAO	Fix SS	Wypt Desc	Crs	Tr Dir	Alt Code	Alt 1	Alt 2	Spd Code	Spd Lim	Rec Nav	R.N. ICAO	R.N. SS	Dist	Time	Theta	Rho	MSA Id	ICAO	SS	M C	Trans Alt	Vert Angle	RNP
	010	RP	IF	HITRA	PA	PC	E			+	01600																	101
	020	RP	TF	CAMOL	PA	PC	E F			+	01000																	101
	030	RP	TF	RW23	PA	PG	GY M				00109																-300	302
	040	ZPA	TF	RINLE	PA	PC	E M																					101
	050	ZPA	RF	KLOUT	PA	PC	E		L				-	250				0045				DMCDS	PA	PC				101
	060	ZPA	TF	WOKET	PA	PC	EY			+	04000																	101
	070	ZPA	HM	WOKET	PA	PC	EE H	0520	R	+	04000							0040										101
BIXER	010	AP	IF	BIXER	PA	EA	E			+	04000																	201
BIXER	020	AP	TF	WENGI	PA	PC	E			+	04000																	201
BIXER	030	AP	TF	HOSAT	PA	PC	E			+	04000																	101
BIXER	040	AP	RF	HITRA	PA	PC	EE		L	+	01600							0045				CFHLK	PA	PC				101
OOSIK	010	AP	IF	OOSIK	PA	EA	E			+	04000																	121
OOSIK	020	AP	TF	OSORE	PA	PC	E			+	04000																	121
OOSIK	030	AP	TF	HEBER	PA	PC	E			+	04000																	101
OOSIK	040	AP	RF	HITRA	PA	PC	EE		R	+	01600							0045				CFDKR	PA	PC				101
WOKET	010	AP	IF	WOKET	PA	PC	E			+	04000																	101
WOKET	020	AP	TF	JONTA	PA	PC	E			+	04000																	101
WOKET	030	AP	RF	HOSAT	PA	PC	E		L	+	04000							0045				CFHLK	PA	PC				101
WOKET	040	AP	RF	HITRA	PA	PC	EE		L	+	01600							0045				CFHLK	PA	PC				101

RW23 N70-11-49.38 W148-26-23.54
BIXER N69-27-07.84 W148-25-56.07
CAMOL N70-12-32.38 W148-18-26.81
CFDKR N70-17-25.42 W148-15-41.78
CFHLK N70-08-45.09 W148-08-57.52
DMCDS N70-05-56.49 W148-39-55.48
HEBER N70-21-51.78 W148-13-49.67
HITRA N70-13-05.29 W148-12-18.94
HOSAT N70-07-38.28 W147-56-11.14
JONTA N70-04-24.82 W148-05-37.51
KLOUT N70-01-36.81 W148-36-29.49
OOSIK N70-26-21.95 W149-59-08.99
OSORE N70-22-33.22 W148-28-30.17
RINLE N70-10-16.09 W148-43-22.92
WENGI N70-02-48.82 W147-59-49.97
WOKET N70-02-39.11 W148-25-10.52

CITY AND STATE	ELEVATION: 65 TDZE: 63 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DEADHORSE, AK	DEADHORSE	RNAV	05 MAY 2011 RNAV (RNP) Z RWY 23, 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
BFM VORTAC	HITGA (FB)	188.12 / 18.46	2000
HITGA (IAF)	WITOR (FB)	107.92 / 5.00	2000
WITOR	ILAPY (FB)	092.12 / 5.00	2000
ILAPY (IF)	OTUDY (FB)	010.35 / 6.04	1500
OTUDY (FAF)	CUBEP/1.70 NM TO RW01 (FB)	010.36 / 2.63	
CUBEP/1.70 NM TO RW01	RW01 (MAP) (FO)	010.36 / 1.70	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW01

CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2000 DIRECT BFM VORTAC AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ILAPY
3. FAC: 010.36 FAF: OTUDY DIST FAF TO MAP: 4.33 THLD: 4.33
4. MIN. ALT: ILAPY 2000, OTUDY 1500, CUBEP/1.70 NM TO RW01 660*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1500 GS ALT AT: OTUDY 1500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 35.0 34:1 IS CLEAR
8. MSA FROM: RW01 3100

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 135.00 INBOUND.
CHART FAS OBST: 179 TREE 302609N/0875326W
CHART FAS OBST: 189 TREE 302710N/0875321W
CHART R-2908.
DISTANCE TO THLD FROM 200 HAT: 0.52 NM.
CHART VDP AT 1.00 MILES TO RW01*
*LNAV ONLY.
WAAS CHANNEL # 93513
REFERENCE PATH ID: W01A
LTP HAE: -1.7 M

MAG VAR: 1W EPOCH YEAR: 2005

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	287	3/4	200	287	3/4	200	287	3/4	200	287	3/4	200			
LNAV/VNAV DA	475	1 3/8	388	475	1 3/8	388	475	1 3/8	388	475	1 3/8	388			
LNAV MDA	440	1	353	440	1	353	440	1	353	440	1	353			
CIRCLING	560	1	469	560	1	469	580	1 1/2	489	660	2	569			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING MOBILE DOWNTOWN ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (109F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VDP NA WITH MOBILE DOWNTOWN ALTIMETER SETTING.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 91 THRE: 87	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FAIRHOPE, AL	AIRPORT NAME: H L SONNY CALLAHAN		RNAV (GPS) RWY 1, AMDT 2 5 MAY 2011	AMDT: 1 DATED 07/02/2009

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW01 (MAP)	700 MSL	010.36	700
700 MSL	BFM VORTAC (FO)		2000

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOBILE DOWNTOWN ALTIMETER SETTING AND INCREASE ALL DA 42 FEET AND MDA 60 FEET AND INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C AND D VISIBILITY 1/8 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BFM VORTAC VIA V198 NORTHEAST BOUND.

CITY AND STATE	ELEVATION: 91 THRE: 87	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FAIRHOPE, AL	AIRPORT NAME: H L SONNY CALLAHAN	RNAV	RNAV (GPS) RWY 1, AMDT 2 5 MAY 2011	AMDT: 1 DATED: 07/02/2009

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCQF
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	302705.5890N
LTP/FTP LONGITUDE	0875243.4595W
LTP/FTP ELLIPSOIDAL HEIGHT	-00017
FPAP LATITUDE	302833.7100N
FPAP LONGITUDE	0875226.6700W
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	0736
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	EA21D665

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00264
FPAP ORTHOMETRIC HEIGHT	+00264

CITY AND STATE	ELEVATION: 91 THRE: 87	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FAIRHOPE, AL	AIRPORT NAME: H L SONNY CALLAHAN	RNAV	RNAV (GPS) RWY 1, AMDT 2 5 MAY 2011	AMDT: 1 DATED: 07/02/2009

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ARINC PACKET - 424-18 - RNAV (GPS)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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       SUSAD        BFM   K7011280VTL  N30364580W088031978    N30364580W088031978E0040000301     NARBROOKLEY

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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       SUSAEAENRT   CUBEP K70    W     N30252471W087530267                      W0015     NAR          CUBEP
       SUSAEAENRT   HITGA K70    W     N30182387W088055832                      W0014     NAR          HITGA
       SUSAEAENRT   ILAPY K70    W     N30165023W087544045                      W0015     NAR          ILAPY
       SUSAEAENRT   OTUDY K70    W     N30224876W087533234                      W0015     NAR          OTUDY
       SUSAEAENRT   WITOR K70    W     N30165622W088002680                      W0014     NAR          WITOR

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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       SUSAP KCQFK7ACQF     0     066YHN30273780W087523730W001000091         1800018000C    MNAR    H L SONNY CALLAHAN

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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       SUSAP KCQFK7FR01   ABFM   010BFM  K7D 0V       IF                                                18000                A JS
       SUSAP KCQFK7FR01   ABFM   020HITGAK7EA0E  A 020TF                    18810185    + 02000                                A JS
       SUSAP KCQFK7FR01   ABFM   030WITORK7EA0E    010TF                    10790050    + 02000                                A JS
       SUSAP KCQFK7FR01   ABFM   040ILAPYK7EA0EE B 010TF                    09210050    + 02000                                A JS
       SUSAP KCQFK7FR01   R      010ILAPYK7EA0E  I    IF                                + 02000     18000                      A JS
       SUSAP KCQFK7FR01   R      020OTUDYK7EA1E  F 051TF                   01040060    + 01500                 RW01  K7PGA  A JS
       SUSAP KCQFK7FR01   R      020OTUDYK7EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
       SUSAP KCQFK7FR01   R      021CUBEPK7EA0E S  031TF                   01040026    V 0066000663        -300              A JS
       SUSAP KCQFK7FR01   R      030RW01 K7PG0GY M 031TF                   01040017      00122             -300              A JS
       SUSAP KCQFK7FR01   R      040         0  M  010CA                   0104        + 00700                                A JS
       SUSAP KCQFK7FR01   R      050BFM  K7D 0VY  L010DF                              + 02000                                A JS
       SUSAP KCQFK7FR01   R      060BFM  K7D 0VE  R020HM                   13500040    + 02000                                A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCQFK7GRW01    0066040104 N30270559W087524346+0100    -000170008700003510OR
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 91 THRE: 87	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FAIRHOPE, AL	AIRPORT NAME: H L SONNY CALLAHAN	RNAV	RNAV (GPS) RWY 1, AMDT 2 5 MAY 2011	AMDT: 1 DATED: 07/02/2009

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 aport 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  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KCQFK7PR01    RW01 001 0000W01A0N3027055890W08752434595-000170300N3028337100W0875226670010675073600035OF400350EA21D665
    SUSAP KCQFK7PR01    RW01 002E      +00264+00264LPV       93513

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KCQFK7SRW01 K7PG              0   18018003125                                                                    M
```

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 91 THRE: 87	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FAIRHOPE, AL	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 1, AMDT 2	AMDT: 1
	H L SONNY CALLAHAN		5 MAY 2011	DATED: 07/02/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BFM VORTAC	EYIPA (FB)	057.02 / 4.97	2000
EYIPA (IAF)	GUCTE (FB)	100.32 / 6.98	2000
GUCTE (IF)	UDOYE (FB)	190.39 / 4.74	1700
UDOYE	FITAV (FB)	190.38 / 1.30	1500
FITAV (FAF)	WARUK/1.70 NM TO RW19 (FB)	190.39 / 2.61	
WARUK/1.70 NM TO RW19	RW19 (MAP) (FO)	190.38 / 1.70	
RW19 (MAP)	1500 MSL	190.38	1500
1500 MSL	BFM VORTAC (FO)		2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW19

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 2000 DIRECT BFM VORTAC AND HOLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT GUCTE
3. FAC: 190.39 FAF: FITAV DIST FAF TO MAP: 4.31 THLD: 4.31
4. MIN. ALT: GUCTE 2000, UDOYE 1700, FITAV 1500, WARUK/1.70 NM TO RW19 660*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1500 GS ALT AT: FITAV 1500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 35.0 34:1 IS CLEAR
8. MSA FROM: RW19 3100

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 135.00 INBOUND.
CHART FAS OBST: 211 TREE 302915N/0875226W
CHART FAS OBST: 236 TOWER 302937N/0875208W
CHART R-2908.
DISTANCE TO THLD FROM 250 HAT: 0.67 NM.
CHART VDP AT 1.17 MILES TO RW19*
*LNAV ONLY.
WAAS CHANNEL # 99313
REFERENCE PATH ID: W19A
LTP HAE: -0.3 M

MAG VAR: 1W EPOCH YEAR: 2005

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	341	7/8	250	341	7/8	250	341	7/8	250	341	7/8	250			
LNAV/VNAV DA	513	1 1/2	422	513	1 1/2	422	513	1 1/2	422	513	1 1/2	422			
LNAV MDA	500	1	409	500	1	409	500	1 1/8	409	500	1 1/8	409			
CIRCLING	560	1	469	560	1	469	580	1 1/2	489	660	2	569			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING MOBILE DOWNTOWN ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (109F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BFM VORTAC AIRWAY RADIALS 319 CW 052.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 91 THRE: 91 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FAIRHOPE, AL	H L SONNY CALLAHAN	RNAV	RNAV (GPS) RWY 19, AMDT 2 5 MAY 2011	AMDT: 1 DATED 07/02/2009

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.):
***LNAV ONLY**
CHART NOTE: VDP NA WITH MOBILE DOWNTOWN ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOBILE DOWNTOWN ALTIMETER SETTING AND INCREASE ALL DA 42 FEET AND ALL MDA 60 FEET AND INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE AND LNAV CATS C AND D VISIBILITY 1/4 MILE.

CITY AND STATE	ELEVATION: 91 THRE: 91	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FAIRHOPE, AL	AIRPORT NAME: **H L SONNY CALLAHAN**	**RNAV**	**RNAV (GPS) RWY 19, AMDT 2** 5 MAY 2011	AMDT: **1**
				DATED: **07/02/2009**

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	KCQF
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	302810.0815N
LTP/FTP LONGITUDE	0875231.1685W
LTP/FTP ELLIPSOIDAL HEIGHT	-00003
FPAP LATITUDE	302641.9700N
FPAP LONGITUDE	0875247.9700W
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	0736
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	6A225E95

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00278
FPAP ORTHOMETRIC HEIGHT	+00278

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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        BFM    K7011280VTL  N30364580W088031978     N30364580W088031978E0040000301      NARBROOKLEY

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EYIPA K70     W      N30393273W087583315                      W0015      NAR           EYIPA
        SUSAEAENRT   FITAV K70     W      N30322607W087514231                      W0015      NAR           FITAV
        SUSAEAENRT   GUCTE K70     W      N30382445W087503384                      W0016      NAR           GUCTE
        SUSAEAENRT   UDOYE K70     W      N30334321W087512759                      W0016      NAR           UDOYE
        SUSAEAENRT   WARUK K70     W      N30295095W087521193                      W0015      NAR           WARUK

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCQFK7ACQF      0      066YHN30273780W087523730W001000091         1800018000C     MNAR     H L SONNY CALLAHAN

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCQFK7FR19   ABFM    010BFM  K7D 0V       IF                                                  18000                A JS
        SUSAP KCQFK7FR19   ABFM    020EYIPAK7EA0E  A 020TF                      05700050     + 02000                             A JS
        SUSAP KCQFK7FR19   ABFM    030GUCTEK7EA0EE B 010TF                      10030070     + 02000                             A JS
        SUSAP KCQFK7FR19   R       010GUCTEK7EA0E  I    IF                                  + 02000      18000                  A JS
        SUSAP KCQFK7FR19   R       011UDOYEK7EA0E S  051TF                      19040047     + 01700                             A JS
        SUSAP KCQFK7FR19   R       020FITAVK7EA1E  F 051TF                      19040013     + 01500                  RW19  K7PGA JS
        SUSAP KCQFK7FR19   R       020FITAVK7EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
        SUSAP KCQFK7FR19   R       021WARUKK7EA0E S  031TF                      19040026     V 0066000667        -300              A JS
        SUSAP KCQFK7FR19   R       030RW19 K7PG0GY M 031TF                      19040017       00126             -300              A JS
        SUSAP KCQFK7FR19   R       040          0  M  010CA                     1904         + 01500                             A JS
        SUSAP KCQFK7FR19   R       050BFM  K7D 0VY  R010DF                                   + 02000                             A JS
        SUSAP KCQFK7FR19   R       060BFM  K7D 0VE  R020HM                      13500040     + 02000                             A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCQFK7GRW19     0066041904 N30281008W087523117-0100     -0000300091000035100R
```

CITY AND STATE	ELEVATION: 91 THRE: 91	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FAIRHOPE, AL	AIRPORT NAME: H L SONNY CALLAHAN	RNAV	RNAV (GPS) RWY 19, AMDT 2 5 MAY 2011	AMDT: 1 DATED: 07/02/2009

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          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KCQFK7PR19   RW19 001 0000W19A0N3028100815W08752311685-000030300N3026419700W0875247970010675073600035OF4005006A225E95
    SUSAP KCQFK7PR19   RW19 002E      +00278+00278LPV       99313

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KCQFK7SRW19 K7PG              0   18018003125                                                                  M
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 91 THRE: 91	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FAIRHOPE, AL	AIRPORT NAME: H L SONNY CALLAHAN	RNAV	RNAV (GPS) RWY 19, AMDT 2	AMDT: 1
			5 MAY 2011	DATED: 07/02/2009

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
FAIRHOPE, AL	H L SONNY CALLAHAN	5 MAY 2011	1

TAKEOFF MINIMUMS:

RWY 01: STANDARD.
RWY 19: STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 01, TREES BEGINNING 824 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/204 FT MSL.

CONTROLLING OBSTACLES:

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
BFM VORTAC (IF/IAF)	SHARP/BFM 8.00 DME (FB)	130.00 / 8.00	1000

MISSED APPROACH

MAP: MAFAM/ 12.67 DME

CLIMB TO 2000 THEN LEFT TURN DIRECT BFM VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 248 TANK 302742N/0875404W
CHART 365 TOWER 303002N/0875420W.
FAC CROSSES MID POINT OF RWY 1-19.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW BFM VORTAC, RT, 130.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC 130.00 FAF SHARP/BFM 8.00 DME DIST FAF TO MAP 4.67 THLD ____
4. MIN. ALT BFM VORTAC 2000, SHARP 1000, HUBGO/BFM 11.00 DME 680*
8. MSA FROM: BFM VORTAC 3100

MAG VAR: 4E 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
CIRCLING	560	1	469	560	1	469	580	1 1/2	489	660	2	569			

NOTES:

CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON BFM VORTAC AIRWAY RADIALS 242 CW 052.
*740 WHEN USING MOBILE DOWNTOWN ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOBILE DOWNTOWN ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 91 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
FAIRHOPE, AL	H L SONNY CALLAHAN	BFM	VOR/DME-A, AMDT 7 5 MAY 2011	AMDT 6 DATE 07/02/2009

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LOXLY INT/SJI 29.05 DME	NUN VOR	125.00 / 29.59	3100
PENSI INT/CEW 30.79 DME	NUN VOR	188.49 / 19.49	3000
NUN VOR (IAF)	WARLY INT/I-JKA 12.26 DME	206.84 / 12.29	2500
WARLY INT/I-JKA 12.26 DME (IF)	ORAXE INT/I-JKA 6.08 DME/RADAR	269.90 / 6.18 (I-JKA)	1600

MISSED APPROACH

ILS: DA
LOC: 4.82 MILES AFTER ORAXE INT/JKA 6.08 DME OR AT I-JKA 1.26 DME FIX

CLIMB TO 2000 ON HEADING 270 AND BFM VORTAC R-145 TO URIVY INT/BFM 16.64 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2000 DIRECT NUN VOR AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 325.40 INBOUND.
CHART FAS OBST: 170 TOWER 301720N/0873818W
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W NUN VOR, LT, 089.00 INBOUND.
CHART VDP AT 2.37 DME*;
DISTANCE VDP TO THLD 1.11 MILES.
*LOC ONLY.
CHART IN PLANVIEW: NUN VOR.
CHART R-2908

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT WARLY
3. FAC: 269.90 FAF: ORAXE DIST FAF TO MAP: 4.82 THLD: 4.82
4. MIN. ALT: WARLY 2500, ORAXE 1600, GEVBE/I-JKA 2.92 DME 540**
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 899
6. MIN GS INCPT: 1600 GS ALT AT: ORAXE 1600 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 47.4
8. MSA FROM: NUN VOR 3100

MAG VAR: 0E EPOCH YEAR: 2000

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 27	216	1/2	200	216	1/2	200	216	1/2	200	216	1/2	200			
S-LOC 27	540	1/2	524	540	1/2	524	540	1	524	540	1	524			
CIRCLING	540	1	523	540	1	523	540	1 1/2	523	580	2	563			
GEVBE FIX MINIMUMS															
S-LOC 27	420	1/2	404	420	1/2	404	420	3/4	404	420	3/4	404			
CIRCLING	480	1	463	480	1	463	480	1 1/2	463	580	2	563			

NOTES:
CHART NOTE: CIRCLING TO RWY 35 NA AT NIGHT.
CHART NOTE: VDP NA WITH PENSACOLA GULF COAST RGNL, FL ALTIMETER SETTING.
**620 WHEN USING PENSACOLA GULF COAST RGNL, FL ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 17 THRE: 16	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
GULF SHORES, AL	AIRPORT NAME: JACK EDWARDS	I-JKA	ILS OR LOC RWY 27, AMDT 1 5 MAY 2011	AMDT: ORIG
				DATED 10/30/2003

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 NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PENSACOLA GULF COAST RGNL, FL ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FT; INCREASE S-LOC 27 CATS C AND D VISIBILITY TO 1 3/8 AND INCREASE GEVBE FIX MINIMUMS CATS C AND D VISIBILITY TO 1.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE GEVBE FIX MINIMUMS CATS C AND D VISIBILITY TO 1 1/8.
CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING PENSACOLA GULF COAST RGNL, FL ALTIMETER SETTING, INCREASE S-ILS 27 ALL CATS VISIBILITY TO 7/8, S-LOC 27 CATS C AND D AND CIRCLING CAT C VISIBILITY TO 1 3/4 AND GEVBE FIX MINIMUMS S-LOC 27 CATS C AND D VISIBILTY TO 1 3/8.
CHART NOTE: GEVBE FIX MINIMUMS DME REQUIRED.

CITY AND STATE	ELEVATION: 17 THRE: 16	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
GULF SHORES, AL	AIRPORT NAME: JACK EDWARDS	I-JKA	ILS OR LOC RWY 27, AMDT 1 5 MAY 2011	AMDT: ORIG
				DATED: 10/30/2003

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BFM VORTAC	COPOV (FB)	156.28 / 15.11	3000
COPOV (IAF)	VUSRY (NOPT) (FB)	156.34 / 6.00	2500
VUSRY (IF/IAF)	OFEVY (FB)	089.78 / 6.26	1600
OFEVY (FAF)	HUXUP/1.80 NM TO RW09	089.84 / 3.02	
HUXUP/1.80 NM TO RW09	RW09 (MAP) (FO)	089.87 / 1.80	
RW09 (MAP)	265 MSL	089.87	
265 MSL	WARLY (FO)		2500

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW09

CLIMB TO 2500 DIRECT WARLY AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W VUSRY, LT, 089.78 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 089.84 FAF: OFEVY DIST FAF TO MAP: 4.82 THLD: 4.82
4. MIN. ALT: VUSRY 2500, OFEVY 1600, HUXUP/1.80 NM TO RW09 620*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1600 GS ALT AT: OFEVY 1600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR
8. MSA FROM: RW09 3100

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 270.01 INBOUND.
CHART FAS OBST: 103 TREE 301722N/0874113W
DISTANCE TO THLD FROM 250 HATH: 0.63 NM.
CHART VDP AT 0.93 MILES TO RW09*
*LNAV ONLY.
WAAS CHANNEL # 86503
REFERENCE PATH ID: W09A
CHART R-2908
263 AAO 301815N/0874545W
LTP HAE: -22.8 M

MAG VAR: 0E EPOCH YEAR: 2000

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	309	1	294	309	1	294	309	1	294	309	1	294			
LNAV/VNAV DA	265	3/4	250	265	3/4	250	265	3/4	250	265	3/4	250			
LNAV MDA	360	1	345	360	1	345	360	1	345	360	1	345			
CIRCLING	480	1	463	480	1	463	480	1 1/2	463	580	2	563			

NOTES:
CHART NOTE: CIRCLING TO RWY 35 NA AT NIGHT.
CHART NOTE: BARO-VNAV NA WHEN USING PENSACOLA GULF COAST RGNL, FL ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (109F).
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECK 4

CITY AND STATE	ELEVATION: 17 THRE: 15	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
GULF SHORES, AL	AIRPORT NAME: JACK EDWARDS	RNAV	RNAV (GPS) RWY 9, AMDT 3 5 MAY 2011	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.):
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: VDP NA WITH PENSACOLA GULF COAST RGNL, FL ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PENSACOLA GULF COAST RGNL, FL ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FT, INCREASE LPV ALL CATS VISIBILITY TO 1 1/4, LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 AND LNAV CATS C AND D VISIBILITY TO 1 1/4.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BFM VORTAC AIRWAY RADIAL 242.

QUALITY 4

CITY AND STATE	ELEVATION: 17 THRE: 15	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
GULF SHORES, AL	AIRPORT NAME: **JACK EDWARDS**	**RNAV**	**RNAV (GPS) RWY 9, AMDT 3** 5 MAY 2011	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.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KJKA
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	301725.0290N
LTP/FTP LONGITUDE	0874043.6060W
LTP/FTP ELLIPSOIDAL HEIGHT	-00228
FPAP LATITUDE	301725.1900N
FPAP LONGITUDE	0873900.7000W
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	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	86279917

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00047
FPAP ORTHOMETRIC HEIGHT	+00047

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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        BFM   K7011280VTL  N30364580W088031978    N30364580W088031978E0040000301     NARBROOKLEY

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   COPOV K70    W     N30225367W087561809                    W0016     NAR           COPOV
        SUSAEAENRT   HUXUP K70    W     N30172481W087424835                    W0017     NAR           HUXUP
        SUSAEAENRT   OFEVY K70    W     N30172436W087461760                    W0017     NAR           OFEVY
        SUSAEAENRT   VUSRY K70    W     N30172313W087533120                    W0016     NAR           VUSRY
        SUSAEAENRT   WARLY K70    C     N30172569W087264714                    W0019     NAR           WARLY

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJKAK7AJKA     0     069YHN30172270W087401840E000000017         1800018000C    MNAR    JACK EDWARDS

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJKAK7FR09   ABFM   010BFM  K7D 0V       IF                                                 18000                A JS
        SUSAP KJKAK7FR09   ABFM   020COPOVK7EA0E  A 020TF                    15630151    + 03000                                A JS
        SUSAP KJKAK7FR09   ABFM   030VUSRYK7EA0EE B 010TF                    15630060    + 02500                                A JS
        SUSAP KJKAK7FR09   AVUSRY 010VUSRYK7EA0EE AL   HF                   08980040    + 02500      18000                     A JS
        SUSAP KJKAK7FR09   R       010VUSRYK7EA0E  I    IF                             + 02500      18000                     A JS
        SUSAP KJKAK7FR09   R       020OFEVYK7EA1E  F 051TF                    08980063    + 01600                RW09  K7PGA JS
        SUSAP KJKAK7FR09   R       020OFEVYK7EA2WALPV       ALNAV/VNAV ALNAV                                                   JS
        SUSAP KJKAK7FR09   R       021HUXUPK7EA0E S  031TF                    08980030    V 0062000638        -300           A JS
        SUSAP KJKAK7FR09   R       030RW09 K7PG0GY M 031TF                    08990018      00065             -300           A JS
        SUSAP KJKAK7FR09   R       040          0  M     CA                   0899        + 00265                          A JS
        SUSAP KJKAK7FR09   R       050WARLYK7EA0EY       DF                             + 02500                          A JS
        SUSAP KJKAK7FR09   R       060WARLYK7EA0EE  L    HM                   27000040    + 02500                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJKAK7GRW09    0069620899 N30172503W087404361+0000     -0022800015046250100R
```

CITY AND STATE	ELEVATION: 17 THRE: 15	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
GULF SHORES, AL	AIRPORT NAME: JACK EDWARDS	RNAV	RNAV (GPS) RWY 9, AMDT 3 5 MAY 2011	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
PP  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KJKAK7PR09    RW09 001 0000W09A0N3017250290W08740436060-002280300N3017251900W0873900700010675076800050OF40050086279917
    SUSAP KJKAK7PR09    RW09 002E       +00047+00047LPV       86503

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KJKAK7SRW09 K7PG               0   18018003125                                                                  M
```

CITY AND STATE	ELEVATION: 17 THRE: 15	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
GULF SHORES, AL	AIRPORT NAME: JACK EDWARDS	RNAV	RNAV (GPS) RWY 9, AMDT 3 5 MAY 2011	AMDT: 2
				DATED: 03/15/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BRATT	MRITA (FB)	145.28 / 25.71	3000
PENSI	MRITA (FB)	195.40 / 23.42	3000
MRITA (IAF)	WARLY (NOPT) (FB)	200.05 / 8.00	2500
WARLY (IF/IAF)	ORAXE (FB)	270.01 / 6.18	1600
ORAXE (FAF)	JUDEP/2.40 NM TO RW27 (FB)	269.94 / 2.42	
JUDEP/2.40 NM TO RW27	RW27 (MAP) (FO)	269.92 / 2.40	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW27

CLIMB TO 2500 DIRECT VUSRY AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E WARLY, LT, 270.01 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 269.95 FAF: ORAXE DIST FAF TO MAP: 4.82 THLD: 4.82
4. MIN. ALT: WARLY 2500, ORAXE 1600, JUDEP/2.40 NM TO RW27 820*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1600 GS ALT AT: ORAXE 1600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 47.4 34:1 IS CLEAR
8. MSA FROM: RW27 3100

ADDITIONAL FLIGHT DATA:
HOLD W, LT, 089.78 INBOUND.
CHART FAS OBST: 170 TOWER 301721N/0873818W
CHART R-2908.
DISTANCE TO THLD FROM 200 HATH: 0.48 NM.
CHART VDP AT 1.11 MILES TO RW27*
*LNAV ONLY.
WAAS CHANNEL # 99503
REFERENCE PATH ID: W27A
LTP HAE: -22.8 M

MAG VAR: 0E EPOCH YEAR: 2000

MINIMUMS

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

CATEGORY ====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	216	1/2	200	216	1/2	200	216	1/2	200	216	1/2	200			
LNAV/VNAV DA	480	1 1/8	464	480	1 1/8	464	480	1 1/8	464	480	1 1/8	464			
LNAV MDA	420	1/2	404	420	1/2	404	420	3/4	404	420	3/4	404			
CIRCLING	480	1	463	480	1	463	480	1 1/2	463	580	2	563			

NOTES:
CHART NOTE: CIRCLING TO RWY 35 NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PENSACOLA GULF COAST RGNL, FL ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FT, LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 AND LNAV CATS C AND (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 17 THRE: 16 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
GULF SHORES, AL	JACK EDWARDS	RNAV	RNAV (GPS) RWY 27, AMDT 2 5 MAY 2011	AMDT: 1 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.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW27 (MAP)	216 MSL	269.92	
216 MSL	VUSRY (FO)		2500

NOTES, (CONT.):
D VISIBILITY TO 1.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (109F).
CHART NOTE: VDP NA WITH PENSACOLA GULF COAST RGNL, FL ALTIMETER SETTING.
FOR INOPERATIVE MALSR, INCREASE LNAV CATS C AND D VISIBILITY TO 1 1/8.
FOR INOPERATIVE MALSR, WHEN USING PENSACOLA GULF COAST RGNL, FL ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 7/8 AND LNAV CATS C AND D VISIBILITY TO 1 3/8.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 17 THRE: 16	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
GULF SHORES, AL	AIRPORT NAME: JACK EDWARDS	RNAV	RNAV (GPS) RWY 27, AMDT 2 5 MAY 2011	AMDT: 1
				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.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KJKA
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	301725.1535N
LTP/FTP LONGITUDE	0873929.4680W
LTP/FTP ELLIPSOIDAL HEIGHT	-00228
FPAP LATITUDE	301724.9800N
FPAP LONGITUDE	0874112.3800W
THRESHOLD CROSSING HEIGHT (TCH)	00047.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0632
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	C7FF274E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00049
FPAP ORTHOMETRIC HEIGHT	+00049

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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   BRATT K70    C   L N30460988W087403326                    W0017     NAR           BRATT
        SUSAEAENRT   JUDEP K70    W     N30172537W087364314                    W0017     NAR           JUDEP
        SUSAEAENRT   MRITA K70    W     N30245771W087233709                    W0019     NAR           MRITA
        SUSAEAENRT   ORAXE K70    C     N30172554W087335509                    W0017     NAR           ORAXE
        SUSAEAENRT   PENSI K70    C   L N30473568W087162552                    W0020     NAR           PENSI
        SUSAEAENRT   VUSRY K70    W     N30172313W087533120                    W0015     NAR           VUSRY
        SUSAEAENRT   WARLY K70    C     N30172569W087264714                    W0018     NAR           WARLY

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJKAK7AJKA     0     069YHN30172270W087401840E000000017         1800018000C    MNAR    JACK EDWARDS

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJKAK7FR27   ABRATT 010BRATTK7EA0E       IF                                          18000                A JS
        SUSAP KJKAK7FR27   ABRATT 020MRITAK7EA0E  A 020TF                    14530257    + 03000                      A JS
        SUSAP KJKAK7FR27   ABRATT 030WARLYK7EA0EE B 010TF                    20010080    + 02500                      A JS
        SUSAP KJKAK7FR27   APENSI 010PENSIK7EA0E       IF                                          18000                A JS
        SUSAP KJKAK7FR27   APENSI 020MRITAK7EA0E  A 020TF                    19540234    + 03000                      A JS
        SUSAP KJKAK7FR27   APENSI 030WARLYK7EA0EE B 010TF                    20010080    + 02500                      A JS
        SUSAP KJKAK7FR27   AWARLY 010WARLYK7EA0EE AL   HF                    27000040    + 02500     18000            A JS
        SUSAP KJKAK7FR27   R      010WARLYK7EA0E  I    IF                                + 02500     18000            A JS
        SUSAP KJKAK7FR27   R      020ORAXEK7EA1E  F 051TF                    27000062    + 01600             RW27   K7PGA JS
        SUSAP KJKAK7FR27   R      020ORAXEK7EA2WALPV       ALNAV/VNAV ALNAV                                           JS
        SUSAP KJKAK7FR27   R      021JUDEPK7EA0E S  031TF                    26990024    V 0082000828        -300   A JS
        SUSAP KJKAK7FR27   R      030RW27 K7PG0GY M 031TF                    26990024      00064             -300   A JS
        SUSAP KJKAK7FR27   R      040         0  M     CA                    2699        + 00216                  A JS
        SUSAP KJKAK7FR27   R      050VUSRYK7EA0EY       DF                                + 02500                  A JS
        SUSAP KJKAK7FR27   R      060VUSRYK7EA0EE  L   HM                    06980040    + 02500                  A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJKAK7GRW27    0069622699 N30172515W087392947+0000     -0022800016C000047100I
```

CITY AND STATE	ELEVATION: 17 THRE: 16	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
GULF SHORES, AL	AIRPORT NAME: JACK EDWARDS	RNAV	RNAV (GPS) RWY 27, AMDT 2	AMDT: 1
			5 MAY 2011	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
PP    123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
      ------------------------------------------------------------------------------------------------------------------------------------
      SUSAP KJKAK7PR27    RW27 001 0000W27A0N3017251535W08739294680-002280300N3017249800W0874112380010675063200047 4F400350C7FF274E
      SUSAP KJKAK7PR27    RW27 002E       +00049+00049LPV        99503

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
      ------------------------------------------------------------------------------------------------------------------------------------
      SUSAP KJKAK7SRW27 K7PG                0   18018003125                                                                    M
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CITY AND STATE	ELEVATION: 17 THRE: 16	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
GULF SHORES, AL	AIRPORT NAME: JACK EDWARDS	RNAV	RNAV (GPS) RWY 27, AMDT 2 5 MAY 2011	AMDT: 1
				DATED: 03/15/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MGM VORTAC	COMMA OM/INT	025.43 / 4.64	2000
MGM VORTAC	RISDE/MGM 9.00 DME	180.90 / 9.00	2200
MARRA LOM	COMMA OM/INT	096.03 / 11.98	2000
RISDE/MGM 9.00 DME CCW (IAF)	JEDOP/MGM 9.00 DME (NOPT)	9.00 DME ARC	2100
JEDOP/MGM 9.00 DME CCW (IAF)	LUNIC INT (NOPT)	9.00 DME ARC (MGM LR-078)	2000
FIMON/MGM 13.00 DME CW (IAF)	HANBU/MGM 13.00 DME (NOPT)	13.00 DME ARC	2400
(SEE FORM 8260-10)			

MISSED APPROACH

ILS: DA
LOC: 5.35 MILES AFTER COMMA OM/INT

CLIMB TO 700 THEN CLIMBING LEFT TURN TO 3000 DIRECT MGM VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000 (TACAN. AIRCRAFT CONTINUE CLIMB TO 3500 ON MGM VORTAC R-126 TO SHADY INT AND HOLD SE, RT, 305.96 INBOUND), OR AS DIRECTED BY ATC.
(SEE FORM 8260-10)

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 318.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W, RT, 097.13 INBOUND.
CHART FAS OBST: 329 TREE 321744N/0862057W
FAS OBST: 459 AAO 321754N/0861413W.
CHART MGM R-026 AT FIMON.
CHART MGM R-045 AT HANBU.
CHART MGM R-126 AT JEDOP.
CHART MGM R-181 AT RISDE.
CHART IN PLANVIEW: MARRA LOM.
CHART: MGM R-074 AT WUNGO
CHART: MAX 6000 AT COMMA OM/INT
CHART ASR.

1. PT R SIDE OF COURSE 097.02 OUTBOUND 2000 FT WITHIN 15 MILES OF COMMA OM (IAF)
2.
3. FAC: 277.02 FAF: COMMA OM/INT DIST FAF TO MAP: 5.35 THLD: 5.35
4. MIN. ALT: COMMA OM 2000, WITBI INT 700*
5. DIST TO THLD FROM OM: 5.36 MM: 0.44 IM: - 150 HAT: - 100 HAT: - GS ANT: 1055
6. MIN GS INCPT: 2000 GS ALT AT: - OM: 1982 MM: 390 IM: -
7. GS ANGLE: 3.00 TCH: 58.3
8. MSA FROM: MGM VORTAC 3500

MAG VAR: 1W EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: NA | 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	393	1/2	200	393	1/2	200	393	1/2	200	393	1/2	200	393	1/2	200
S-LOC 28	700	1/2	507	700	1/2	507	700	1	507	700	1	507	700	1	507
CIRCLING	700	1	479	700	1	479	700	1 1/2	479	800	2	579	800	2	579
WITBI FIX MINIMUMS															
S-LOC 28	620	1/2	427	620	1/2	427	620	3/4	427	620	3/4	427	620	3/4	427
CIRCLING	700	1	479	700	1	479	700	1 1/2	479	800	2	579	800	2	579

NOTES:
*LOC ONLY
#@ NA WHEN CONTROL TOWER CLOSED.
CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 842.
CHART NOTE: CIRCLING NA FOR CAT E N OF RWY 10-28.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-ILS 28 CAT E VISIBILITY TO 3/4 MILE, S-LOC 28 CATS
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 221 THRE: 193 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	MONTGOMERY RGNL (DANNELLY FIELD)	I-DLV	ILS OR LOC RWY 28, AMDT 10 5 MAY 2011	AMDT: 9 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.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HANBU/MGM 13.00 DME CW (IAF)	WUNGO/MGM 13.00 DME (NOPT)	13.00 DME ARC (MGM LR-064)	2000
LUNIC INT (IF)	COMMA OM/INT	277.02 / 6.15 (I-DLV)	2000
WUNGO/ 13.00 DME (IF)	COMMA OM/INT	277.02 / 10.51 (I-DLV)	2000

MISSED APPROACH INSTRUCTIONS, (CONT.):
ALTERNATE MA: CLIMB TO 2000 DIRECT MARRA LOM AND HOLD (ADF REQUIRED), CONTINUE CLIMB-IN-HOLD TO 2000.

NOTES, (CONT.):
C/D/E VISIBILITY TO 1 3/8 MILE, AND WITBI FIX MINIMUM S-LOC CAT E VISIBILITY TO 1 1/4 MILE.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: CIRCLING TO RWY 21 NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 03 NA AT NIGHT

CITY AND STATE	ELEVATION: 221 THRE: 193	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	AIRPORT NAME: MONTGOMERY RGNL (DANNELLY FIELD)	I-DLV	ILS OR LOC RWY 28, AMDT 10 5 MAY 2011	AMDT: 9
				DATED: 05/10/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC PACKET - 424-18 - ILS

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        MGM    K7011210VTHA N32132022W086191103    N32132022W086191103E0030002702     NARMONTGOMERY

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   COMMA K70    R     N32172539W086163476                    W0030     NAR           COMMA OM
          SUSAEAENRT   FIMON K70    R   L N32244598W086114941                    W0031     NAR           FIMON
          SUSAEAENRT   HANBU K70    R   L N32215829W086074201                    W0031     NAR           HANBU
          SUSAEAENRT   JEDOP K70    R   L N32074186W086105453                    W0030     NAR           JEDOP
          SUSAEAENRT   LUNIC K70    R     N32164580W086092202                    W0031     NAR           LUNIC
          SUSAEAENRT   MARRA K70          N32184180W086303813                    W0028     NAR           MARRA LOM
          SUSAEAENRT   RISDE K70    R   L N32042035W086195424                    W0029     NAR           RISDE
          SUSAEAENRT   WUNGO K70    R     N32161760W086041549                    W0031     NAR           WUNGO

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMGMK7AMGM     0      090YHN32180230W086233830W001000221         1800018000C    MNAR    MONTGOMERY RGNL (DANNELLY FIEL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMGMK7FI28   AFIMON 010FIMONK7EA0E  A    IF MGM K7      02560130        D                18000                0 NS
          SUSAP KMGMK7FI28   AFIMON 020HANBUK7EA0E   R   AF MGM K7      045401300256    D   + 02400                          0 NS
          SUSAP KMGMK7FI28   AFIMON 030WUNGOK7EA0E  BR   AF MGM K7      073801300454    D   + 02000                          0 NS
          SUSAP KMGMK7FI28   AFIMON 040LUNICK7EA0EE      CF IDLVK7      09700132277000 44PI + 02000                          0 NS
          SUSAP KMGMK7FI28   AHANBU 010HANBUK7EA0E  A    IF MGM K7      04540130        D                18000                0 NS
          SUSAP KMGMK7FI28   AHANBU 020WUNGOK7EA0E  BR   AF MGM K7      073801300454    D   + 02000                          0 NS
          SUSAP KMGMK7FI28   AHANBU 030LUNICK7EA0EE      CF IDLVK7      09700132277000 44PI + 02000                          0 NS
          SUSAP KMGMK7FI28   AJEDOP 010JEDOPK7EA0E  A    IF MGM K7      12570090        D                18000                0 NS
          SUSAP KMGMK7FI28   AJEDOP 020LUNICK7EA0EE BL   AF MGM K7      064600901257    D   + 02000                          0 NS
          SUSAP KMGMK7FI28   AMARRA 010MARRAK7EA0E       IF                                           18000                0 NS
          SUSAP KMGMK7FI28   AMARRA 020COMMAK7EA0E       TF                                       B 0600002000             0 NS
          SUSAP KMGMK7FI28   AMARRA 030COMMAK7EA0EE AL   PI MGM K7      0254004614200150D   + 02000                          0 NS
          SUSAP KMGMK7FI28   AMGM1  010MGM  K7D 0V       IF                                           18000                0 NS
          SUSAP KMGMK7FI28   AMGM1  020COMMAK7EA0E       TF                                       B 0600002000             0 NS
          SUSAP KMGMK7FI28   AMGM1  030COMMAK7EA0EE AL   PI MGM K7      0254004614200150D   + 02000                          0 NS
          SUSAP KMGMK7FI28   AMGM2  010MGM  K7D 0V       IF                                           18000                0 NS
          SUSAP KMGMK7FI28   AMGM2  020RISDEK7EA0E  A    TF MGM K7      18090090        D   + 02200                          0 NS
          SUSAP KMGMK7FI28   AMGM2  030JEDOPK7EA0E   L   AF MGM K7      125700901809    D   + 02100                          0 NS
          SUSAP KMGMK7FI28   AMGM2  040LUNICK7EA0EE BL   AF MGM K7      064600901257    D   + 02000                          0 NS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 221 THRE: 193	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	AIRPORT NAME: **MONTGOMERY RGNL (DANNELLY FIELD)**	**I-DLV**	**ILS OR LOC RWY 28, AMDT 10** 5 MAY 2011	AMDT: **9**
				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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
SUSAP KMGMK7FI28   I      010LUNICK7EA0E  I    IF IDLVK7      09700132        PI  J 020000200018000                    0 NS
SUSAP KMGMK7FI28   I      020COMMAK7EA0E  F    CF IDLVK7      0970007127700062PI  H 0200001982        -300MGM   K7D 0 NS
SUSAP KMGMK7FI28   I      030RW28 K7PG0GY M    CF IDLVK7      0970001727700054PI    00251             -300          0 NS
SUSAP KMGMK7FI28   I      040          0  M    CA                      2770        + 00700                         0 NS
SUSAP KMGMK7FI28   I      050MGM  K7D 0VY  L   DF                                  + 03000                         0 NS
SUSAP KMGMK7FI28   I      060MGM  K7D 0VE  R   HM                      3180T010    + 03000                         0 NS

                  1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMGMK7GRW28     0090102770 N32175930W086225152+0300     +003090019300005815OIIDLV1

                  1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMGMK7IIDLV1    010850RW28 N32181002W0862451512770N32175769W0862304081346 10550388300W00105800193

                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMGMK7SMGM  K7D               0   18018003525                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 221 THRE: 193	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	AIRPORT NAME: MONTGOMERY RGNL (DANNELLY FIELD)	I-DLV	ILS OR LOC RWY 28, AMDT 10 5 MAY 2011	AMDT: 9 DATED: 05/10/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FIMON	FIMON	010	IAF	IF		FB					
	FIMON	HANBU	020		AF	R	FB		025.6()		AA 02400	
	FIMON	WUNGO	030		AF	R	FB		045.4()		AA 02000	
	FIMON	LUNIC	040		CF		FB		277.0()	004.4	AA 02000	
	HANBU	HANBU	010	IAF	IF		FB					
	HANBU	WUNGO	020		AF	R	FB		045.4()		AA 02000	
	HANBU	LUNIC	030		CF		FB		277.0()	004.4	AA 02000	
	JEDOP	JEDOP	010	IAF	IF		FB					
	JEDOP	LUNIC	020		AF	L	FB		125.7()		AA 02000	
	MARRA	MARRA	010		IF		FB					
	MARRA	COMMA	020		TF		FB				BT 0600002000	
	MARRA	COMMA	030	IAF	PI	L	FB		142.0()	015.0	AA 02000	
	MGM1	MGM	010		IF		FB					
	MGM1	COMMA	020		TF		FB				BT 0600002000	
	MGM1	COMMA	030	IAF	PI	L	FB		142.0()	015.0	AA 02000	
	MGM2	MGM	010		IF		FB					
	MGM2	RISDE	020	IAF	TF		FB				AA 02200	
	MGM2	JEDOP	030		AF	L	FB		180.9()		AA 02100	
	MGM2	LUNIC	040		AF	L	FB		125.7()		AA 02000	
		LUNIC	010	FACF	IF		FB				AA 02000 GI 02000	
		COMMA	020	FAF	CF		FB		277.0()	006.2	GI 02000 GS 01982	
		RW28	030	MAP	CF		FO		277.0()	005.4	AT 00251	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		277.0()		AA 00700	
	MGM	050		DF	L	FO				AA 03000	
	MGM	060		HM	R	FO		318.0()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MGM	N321320.22	W0861911.03	N3213.337	W08619.184
	COMMA	N321725.39	W0861634.76	N3217.423	W08616.579
	FIMON	N322445.98	W0861149.41	N3224.766	W08611.824
	HANBU	N322158.29	W0860742.01	N3221.972	W08607.700
	JEDOP	N320741.86	W0861054.53	N3207.698	W08610.909
	LUNIC	N321645.80	W0860922.02	N3216.763	W08609.367
	MARRA	N321841.80	W0863038.13	N3218.697	W08630.636
	RISDE	N320420.35	W0861954.24	N3204.339	W08619.904
	WUNGO	N321617.60	W0860415.49	N3216.293	W08604.258
	RW28	N321759.30	W0862251.52	N3217.988	W08622.859
	IDLV (LOC)	N321810.02	W0862451.51	N3218.167	W08624.859

QUALITY CHECKED

CITY AND STATE	ELEVATION: 221 THRE: 193	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	AIRPORT NAME: **MONTGOMERY RGNL (DANNELLY FIELD)**	**I-DLV**	**ILS OR LOC RWY 28, AMDT 10** 5 MAY 2011	AMDT: **9**
				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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW28	00193	58

QUALITY CHECKED

CITY AND STATE	ELEVATION: 221 THRE: 193	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	AIRPORT NAME: **MONTGOMERY RGNL (DANNELLY FIELD)**	**I-DLV**	**ILS OR LOC RWY 28, AMDT 10** 5 MAY 2011	AMDT: **9** DATED: **05/10/2007**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ALOON INT	MARRA LOM	004.56 / 14.50	2000
MGM VORTAC	MARRA LOM	295.90 / 11.09	2000

MISSED APPROACH

MAP: 5.15 MILES AFTER MARRA LOM

CLIMBING RIGHT TURN TO 2000 DIRECT MGM VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 318.00 INBOUND.
CHART FAS OBST: 350 TOWER 321851N/0862435W
CHART: MAX 6000 AT MG LOM
FAF TO RW10: 3.14/64
CHART: ASR

1. PT L SIDE OF COURSE 277.13 OUTBOUND 2000 FT WITHIN 10 MILES OF MARRA LOM (IAF)
2.
3. FAC 097.13 FAF MARRA LOM DIST FAF TO MAP 5.15 THLD 5.15
4. MIN. ALT MG LOM 2000, XAWTE INT 800
8. MSA FROM: MG LOM 3500

MAG VAR: 1W EPOCH YEAR:1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-10	660	4000	442	660	4000	442	660	4500	442	660	4500	442			
CIRCLING	700	1	479	700	1	479	700	1 1/2	479	800	2	579			

NOTES:

CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-10 CATS A/B VISIBILITY TO RVR 5500, AND CATS C/D VISIBILITY TO 1 3/8 MILE.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: CIRCLING TO RWY 21 NA AT NIGHT.
(SEE FORM 8260-10)

@ NA WHEN CONTROL TOWER CLOSED.

CITY AND STATE	ELEVATION: 221 THRE: 218 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MONTGOMERY, AL	MONTGOMERY RGNL (DANNELLY FIELD)	MG	NDB RWY 10, AMDT 19 05 MAY 2011	AMDT 18D DATE 05/10/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.27

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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 VGSI INOP, CIRCLING RWY 3 NA AT NIGHT.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
MONTGOMERY, AL	**ELEVATION: 221** **THRE: 218** AIRPORT NAME: **MONTGOMERY RGNL (DANNELLY FIELD)**	**MG**	**NDB RWY 10, AMDT 19** 05 MAY 2011	SUP: AMDT: **18D** DATED: **05/10/2007**

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 CURRENT MONTGOMERY, AL ASR MINIMUM VECTORING ALTITUDE CHART									

MISSED APPROACH

MAP: **RWY 10, THLD**
RWY 28, 1 MILE FROM THLD

RWY10: CLIMBING RIGHT TURN TO 2000 DIRECT MGM VORTAC AND HOLD, SE, RT, 318.00 INBOUND. (TACAN AIRCRAFT CONTINUE TO 3500 ON MGM R-126 TO SHADY INT/15DME AND HOLD, SE, RT, 305.96 INBOUND).
RWY28: CLIMB TO 1000, THEN CLIMBING LEFT TURN TO 2000 DIRECT MGM VORTAC AND HOLD, (SEE FORM 8260-10)

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/ MDA	VIS	HAT/HAA	DH/MDA	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA
S-10	600	4000	382	600	4000	382	600	4000	382	600	4000	382	600	4000	382
S-28	620	3/4	427	620	3/4	427	620	3/4	427	620	3/4	427	620	3/4	427
CIRCLING	680	1 1/4	459	680	1 1/4	459	680	1 1/2	459	800	2	579	800	2	579

NOTES:
RWY 10: FAF 6 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000, MINIMUM ALTITUDE 2 MILE FIX 840 FINAL APPROACH COURSE 096.
RECOMMENDED ALTITUDE: 5 MILES, 1,720; 4 MILES, 1,420; 3 MILES, 1,140; 2 MILES 840.

RWY 28: FAF 6 MILES FROM THRESHOLD, MINIMUM ALTITUDE 2000, MINIMUM ALTITUDE 3 MILE FIX 1120 FINAL APPROACH COURSE 276.
RECOMMENDED ALTITUDE: 5 MILES, 1,700; 4 MILES, 1,420; 3 MILES, 1,120; 2 MILES 840.

CHART NOTE: CIRCLING NA FOR CAT E N OF RWY 10-28 (SEE FORM 8260-10)

LOST COMMUNICATIONS (ALL RWYS): **AS DIRECTED BY ATC ON INITIAL CONTACT**

ADDITIONAL FLIGHT DATA

TDZE: **219**	RWY: **10**	TDZE:	RWY:
TDZE: **197**	RWY: **28**	TDZE:	RWY:

FAS OBST:
RWY 10: 350 TOWER 321851/0862435
RWY 28: 369 TREE 321639N/0862300W

MAG VAR: **0** EPOCH YEAR: **1985**

CITY AND STATE	ELEVATION: **221** / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
MONTGOMERY, AL	**MONTGOMERY REGIONAL (DANNELLY FIELD)**	**MGM ASR**	5 MAY 2011 **RADAR-1 AMDT 9**	AMDT: **8A** DATED: **9/15/93**

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

MISSED APPROACH (CONT.):
SE, RT, 318.00 INBOUND (TACAN AIRCRAFT CONTINUE TO 3500 ON MGM R-126 TO SHADY INT/15DME AND HOLD, SE, RT, 305.96 INBOUND).

NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-10 CATS A/B VISIBILITY TO RVR 5000 AND CAT E VISIBILITY TO 1 1/4 MILE.
CHART NOTE: CIRCLING TO RWY 21 NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 03 NA AT NIGHT.
CHART NOTE: WHEN CONTROL TOWER CLOSED, PROCEDURE NA.

CITY AND STATE	ELEVATION: 221 TDZE: 10: 219 AIRPORT NAME: 28: 197	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	MONTGOMERY REGIONAL (DANNELLY FIELD)	MGM	5 MAY 2011 RADAR-1, AMDT 9	AMDT: 8A DATED: 9/15/93

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RUNOE (IF/IAF)	WINUT (FB)	033.90 / 6.88	2000
WINUT (FAF)	ZUNRO/1.50 NM TO RW03 (FB)	033.94 / 3.92	
ZUNRO/1.50 NM TO RW03	RW03 (MAP) (FO)	033.96 / 1.50	
RW03 (MAP)	620 MSL	033.96	
620 MSL	RUNOE (FO)		3100

MISSED APPROACH

LNAV: RW03

CLIMBING RIGHT TURN TO 3100 DIRECT RUNOE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 033.90 INBOUND.
CHART FAS OBST: 369 TREE 321729N/0862402W
CHART FAS OBST: 536 TOWER 321229N/0862555W
WINUT TO RW03: 3.00/55
CHART: ASR

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW RUNOE, RT, 033.90 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 033.94 FAF: WINUT DIST FAF TO MAP: 5.42 THLD: 5.42
4. MIN. ALT: RUNOE 3100, WINUT 2000, ZUNRO/1.50 NM TO RW03 740
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 1W EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY ====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	620	1	400	620	1	400	620	1 1/8	400	620	1 1/8	400			
CIRCLING	700	1	479	700	1	479	700	1 1/2	479	800	2	579			

NOTES:
CHART NOTE: CIRCLING TO RWY 21 NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, STRAIGHT IN/CIRCLING RWY 03 NA AT NIGHT.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 221 THRE: 220 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	MONTGOMERY RGNL (DANNELLY FIELD)	RNAV	RNAV (GPS) RWY 3, AMDT 1	AMDT: ORIG
			5 MAY 2011	DATED 04/15/2004

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

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MAXWELL AFB ALTIMETER SETTING AND INCREASE ALL MDA 20 FT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA

TAA

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

QUALITY CHECKED

CITY AND STATE	ELEVATION: 221 THRE: 220	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	AIRPORT NAME: MONTGOMERY RGNL (DANNELLY FIELD)	RNAV	RNAV (GPS) RWY 3, AMDT 1 5 MAY 2011	AMDT: ORIG
				DATED: 04/15/2004

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   RUNOE K70    W     N32072348W086313015                      W0027     NAR           RUNOE
          SUSAEAENRT   WINUT K70    W     N32130865W086270741                      W0028     NAR           WINUT
          SUSAEAENRT   ZUNRO K70    W     N32162631W086243666                      W0028     NAR           ZUNRO

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMGMK7AMGM     0     090YHN32180230W086233830W001000221        1800018000C    MNAR    MONTGOMERY RGNL (DANNELLY FIEL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMGMK7FR03   ARUNOE 010RUNOEK7EA0EE AR   HF                    03390040    + 03100     18000                B JS
          SUSAP KMGMK7FR03   R      010RUNOEK7EA0E  I    IF                                + 03100     18000                B JS
          SUSAP KMGMK7FR03   R      020WINUTK7EA1E  F 051TF                    03390069    + 02000                          B JS
          SUSAP KMGMK7FR03   R      020WINUTK7EA2WN          N          ALNAV                                                JS
          SUSAP KMGMK7FR03   R      021ZUNROK7EA0E S  031TF                    03390039    V 0074000752         -300        B JS
          SUSAP KMGMK7FR03   R      030RW03 K7PG0GY M 031TF                    03400015      00275              -300        B JS
          SUSAP KMGMK7FR03   R      040         0  M     CA                    0340        + 00620                          B JS
          SUSAP KMGMK7FR03   R      050RUNOEK7EA0EY  R   DF                              + 03100                          B JS
          SUSAP KMGMK7FR03   R      060RUNOEK7EA0EE  R   HM                    03390040    + 03100                          B JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMGMK7GRW03    0040100340 N32174198W086233889-0800    +0039600220000055150R .
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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
HEGAP (IF/IAF)	GITEC (FB)	096.88 / 6.90	2000
GITEC (FAF)	COVUS/1.50 NM TO RW10 (FB)	096.95 / 3.94	
COVUS/1.50 NM TO RW10	RW10 (MAP) (FO)	096.99 / 1.50	
RW10 (MAP)	418 MSL	096.99	
418 MSL	ICOTE (FO)		2600

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW10

CLIMB TO 2600 DIRECT ICOTE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 277.15 INBOUND.
CHART FAS OBST: 339 TREE 311801N/0862546W
CHART FAS OBST: 349 TREE 321801N/0862543W
CHART VDP AT 1.00 MILES TO RW10*
*LNAV ONLY.
WAAS CHANNEL # 50100
REFERENCE PATH ID: W10A
DISTANCE TO THLD FROM 200 HAT: .47 MILES
CHART ASR
LTP HAE: 39.1 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W HEGAP, RT, 096.88 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 096.95 FAF: GITEC DIST FAF TO MAP: 5.44 THLD: 5.44
4. MIN. ALT: HEGAP 3100, GITEC 2000, COVUS/1.50 NM TO RW10 740*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: GITEC 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.7 34:1 IS NOT CLEAR
8. MSA FROM: ____

MAG VAR: 1W EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	418	4000	200	418	4000	200	418	4000	200	418	4000	200	418	4000	200
LNAV/VNAV DA	641	4000	423	641	4000	423	641	4000	423	641	4000	423	641	4000	423
LNAV MDA	600	4000	382	600	4000	382	800	4000	382	600	4000	382	600	4000	382
CIRCLING	700	1	479	700	1	479	700	1 1/2	479	800	2	579	800	2	579

NOTES:
*LNAV ONLY
CHART NOTE: CIRCLING FOR CAT E NA N OF RWY 10-28
CHART NOTE: CIRCLING TO RWY 21 NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 03 NA AT NIGHT.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 221 THRE: 218 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	MONTGOMERY RGNL (DANNELLY FIELD)	RNAV	RNAV (GPS) RWY 10, AMDT 1 5 MAY 2011	AMDT: ORIG DATED 04/15/2004

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 MILES, LNAV CATS A/B VISIBILITY TO RVR 5500, AND LNAV CATS C/D/E VISIBILITY TO RVR 6000.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 42C (107F).

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.

TAA

	FROM	TO	ALT
1.	007/30 CW 187/30 (NOPT)	HEGAP (IF/IAF) (FB)	3100
2.	187/30 CW 007/30	HEGAP (IF/IAF) (FO)	4100

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:	
MONTGOMERY, AL	ELEVATION: 221 THRE: 218 AIRPORT NAME: MONTGOMERY RGNL (DANNELLY FIELD)	RNAV	RNAV (GPS) RWY 10, AMDT 1 5 MAY 2011	AMDT:	ORIG
				DATED:	04/15/2004

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMGM
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	321808.6400N
LTP/FTP LONGITUDE	0862435.9200W
LTP/FTP ELLIPSOIDAL HEIGHT	+00391
FPAP LATITUDE	321759.3000N
FPAP LONGITUDE	0862251.5200W
THRESHOLD CROSSING HEIGHT (TCH)	00050.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D4A7E1AE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00665
FPAP ORTHOMETRIC HEIGHT	+00665

ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   COVUS K70    W     N32181807W086262153                    W0028     NAR          COVUS
         SUSAEAENRT   GITEC K70    W     N32184270W086305866                    W0027     NAR          GITEC
         SUSAEAENRT   HEGAP K70    W     N32192544W086390460                    W0026     NAR          HEGAP
         SUSAEAENRT   ICOTE K70    W     N32164086W086082530                    W0030     NAR          ICOTE

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

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMGMK7FR10   AHEGAP 010HEGAPK7EA0EE AR   HF                    09690060    + 03100     18000                A JS
         SUSAP KMGMK7FR10   R      010HEGAPK7EA0E  I    IF                                + 03100     18000                A JS
         SUSAP KMGMK7FR10   R      020GITECK7EA1E  F 051TF                    09690069    + 02000                          A JS
         SUSAP KMGMK7FR10   R      020GITECK7EA2WALPV       ALNAV/VNAV ALNAV                                               JS
         SUSAP KMGMK7FR10   R      021COVUSK7EA0E S  031TF                    09700039    V 0074000747        -300         A JS
         SUSAP KMGMK7FR10   R      030RW10 K7PG0GY M 031TF                    09700015      00269             -300         A JS
         SUSAP KMGMK7FR10   R      040         0  M     CA                    0970        + 00418                          A JS
         SUSAP KMGMK7FR10   R      050ICOTEK7EA0EY       DF                              + 02600                          A JS
         SUSAP KMGMK7FR10   R      060ICOTEK7EA0EE  L    HM                    27720060    + 02600                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMGMK7GRW10    0090100970 N32180864W086243592-0300    +00391002180000511501

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMGMK7PR10   RW10 001 0000W10A0N3218086400W0862435920O+00391030ON3217593000W086225152001067500000000507F400350D4A7E1AE
         SUSAP KMGMK7PR10   RW10 002E      +00665+00665LPV       50100
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 221 THRE: 218	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	AIRPORT NAME: MONTGOMERY RGNL (DANNELLY FIELD)	RNAV	RNAV (GPS) RWY 10, AMDT 1 5 MAY 2011	AMDT: ORIG DATED: 04/15/2004

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
ICOTE (IF/IAF)	TEBOC (FB)	277.15 / 6.81	2000
TEBOC (FAF)	WITBI/1.50 NM TO RW28 (FB)	277.08 / 3.99	
WITBI/1.50 NM TO RW28	RW28 (MAP) (FO)	277.04 / 1.50	
RW28 (MAP)	393 MSL	277.04	
393 MSL	HEGAP (FO)		3100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW28

CLIMB TO 3100 DIRECT HEGAP AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 096.88 INBOUND.
CHART FAS OBST: 309 TREE 321807N/0862143W
CHART FAS OBST: 329 TREE 321744N/0862057W
DISTANCE TO THLD FROM 200 HATH: 0.45 NM.
CHART VDP AT 0.98 MILES TO RW28*
*LNAV ONLY.
WAAS CHANNEL # 56200
REFERENCE PATH ID: W28A
CHART: ASR
LTP HAE: 30.9 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E ICOTE, LT, 277.15 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 277.08 FAF: TEBOC DIST FAF TO MAP: 5.49 THLD: 5.49
4. MIN. ALT: ICOTE 2600, TEBOC 2000, WITBI/1.50 NM TO RW28 720*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: TEBOC 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 58.3 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 1W EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	393	1/2	200	393	1/2	200	393	1/2	200	393	1/2	200	393	1/2	200
LNAV/VNAV DA	610	7/8	417	610	7/8	417	610	7/8	417	610	7/8	417	610	7/8	417
LNAV MDA	580	1/2	387	580	1/2	387	580	5/8	387	580	5/8	387	580	5/8	387
CIRCLING	700	1	479	700	1	479	700	1 1/2	479	800	2	579	800	2	579

NOTES:
CHART NOTE: CIRCLING FOR CAT E NA N OF RWY 10-28
CHART NOTE: CIRCLING TO RWY 21 NA AT NIGHT
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 03 NA AT NIGHT.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 221 THRE: 193 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	MONTGOMERY RGNL (DANNELLY FIELD)	RNAV	RNAV (GPS) RWY 28, AMDT 1 5 MAY 2011	AMDT: ORIG DATED 04/15/2004

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: DME/DME RNP-0.3 NA.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 42C (107F).
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO 3/4 MILE, LNAV/VNAV CAT E VISIBILITY TO 1 3/8 MILES, AND LNAV CAT E VISIBILITY TO 1 1/8 MILES.

TAA

	FROM	TO	ALT
1.	187/30 CW 007/30 (NOPT)	187/15 CW 007/15	4500
2.	187/15 CW 007/15	ICOTE (IF/IAF) (FB)	2600
3.	007/30 CW 187/30	ICOTE (IF/IAF) (FO)	4500

QUALITY CHECKED

CITY AND STATE	ELEVATION: 221 THRE: 193	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	AIRPORT NAME: MONTGOMERY RGNL (DANNELLY FIELD)	RNAV	RNAV (GPS) RWY 28, AMDT 1 5 MAY 2011	AMDT: ORIG
				DATED: 04/15/2004

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	KMGM
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	321759.3000N
LTP/FTP LONGITUDE	0862251.5200W
LTP/FTP ELLIPSOIDAL HEIGHT	+00309
FPAP LATITUDE	321808.6400N
FPAP LONGITUDE	0862435.9200W
THRESHOLD CROSSING HEIGHT (TCH)	00058.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	107.00
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	8E81DB49

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00587
FPAP ORTHOMETRIC HEIGHT	+00587

QUALITY CHECKED

CITY AND STATE	ELEVATION: 221 THRE: 193	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	AIRPORT NAME: MONTGOMERY RGNL (DANNELLY FIELD)	RNAV	RNAV (GPS) RWY 28, AMDT 1 5 MAY 2011	AMDT: ORIG DATED: 04/15/2004

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   HEGAP K70    W     N32192544W086390460                      W0026     NAR           HEGAP
         SUSAEAENRT   ICOTE K70    W     N32164086W086082530                      W0030     NAR           ICOTE
         SUSAEAENRT   TEBOC K70    W     N32172450W086162488                      W0029     NAR           TEBOC
         SUSAEAENRT   WITBI K70    C     N32174983W086210593                      W0029     NAR           WITBI

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

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMGMK7FR28   AICOTE 010ICOTEK7EA0EE AL   HF                    27720060    + 02600     18000                A JS
         SUSAP KMGMK7FR28   R      010ICOTEK7EA0E  I    IF                                + 02600     18000                A JS
         SUSAP KMGMK7FR28   R      020TEBOCK7EA1E  F 051TF                    27720068    + 02000                          A JS
         SUSAP KMGMK7FR28   R      020TEBOCK7EA2WALPV       ALNAV/VNAV ALNAV                                               JS
         SUSAP KMGMK7FR28   R      021WITBIK7EA0E S  031TF                    27710040    V 0072000728        -300         A JS
         SUSAP KMGMK7FR28   R      030RW28 K7PGOGY M 031TF                    27700015      00251             -300         A JS
         SUSAP KMGMK7FR28   R      040         0  M     CA                    2770        + 00393                          A JS
         SUSAP KMGMK7FR28   R      050HEGAPK7EA0EY      DF                              + 03100                          A JS
         SUSAP KMGMK7FR28   R      060HEGAPK7EA0EE  R   HM                    09690060    + 03100                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMGMK7GRW28    0090102770 N32175930W086225152+0300    +00309001930000581501

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMGMK7PR28   RW28 001 0000W28A0N3217593000W08622515200+003090300N3218086400W086243592001070000000000583F4003508E81DB49
         SUSAP KMGMK7PR28   RW28 002E      +00587+00587LPV       56200
```

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 221 THRE: 193	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MONTGOMERY, AL	AIRPORT NAME: MONTGOMERY RGNL (DANNELLY FIELD)	RNAV	RNAV (GPS) RWY 28, AMDT 1 5 MAY 2011	AMDT: ORIG
				DATED: 04/15/2004

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
PETOC/7.00 DME CW (IAF)	JOSOV/ 7.00 DME (NOPT)	7.00 DME ARC	2000
NUMTE/7.00 DME CCW (IAF)	JOSOV/ 7.00 DME (NOPT)	7.00 DME ARC	2000
JOSOV/ 7.00 DME (IF)	MGM VORTAC	318.44 / 7.00	2000
SHADY INT/ 15.00 DME (IAF)	MGM VORTAC (NOPT)	305.96 / 15.00	2000

MISSED APPROACH

MAP: 5.57 MILES AFTER MGM VORTAC OR AT ZONLA/MGM 5.57 DME FIX

CLIMBING LEFT TURN TO 2000 DIRECT MGM VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 318.00 INBOUND.
FAS OBST: 479 AAO 341442N/0861906W
519 AAO 321347N/0861836W
CHART MGM R-272 AT NUMTE.
CHART MGM R-045 AT PETOC.
FAC CROSSES INTERSECTION OF RWYS 10-28 AND 3-21.
CHART: ASR
CHART MAX 6000 AT MGM VORTAC.

1. PT L SIDE OF COURSE 138.44 OUTBOUND 2000 FT WITHIN 10 MILES OF MGM VORTAC (IAF)
2.
3. FAC 318.44 FAF MGM VORTAC DIST FAF TO MAP 5.57 THLD
4. MIN. ALT MGM VORTAC 2000
8. MSA FROM: MGM VORTAC 3500

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
CIRCLING	760	1	539	760	1	539	760	1 1/2	539	800	2	579			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: CIRCLING TO RWY 21 NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 03 NA AT NIGHT.

ORIGINAL CHECKED

CITY AND STATE	ELEVATION: 221 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MONTGOMERY, AL	MONTGOMERY RGNL (DANNELLY FIELD)	MGM	VOR-A, AMDT 4 05 MAY 2011	AMDT 3B DATE 10/27/2005

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

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 5 MAY 2011

QUALITY CHECKED

CITY AND STATE	ELEVATION: 211 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
ALMYRA, AR	AIRPORT NAME: ALMYRA MUNI	PBF	VOR/DME-A, AMDT 6, 02/25/2004	AMDT 5
				DATE 08/03/2004

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

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
CORNING, ARKANSAS	CORNING MUNI	5 MAY 2011	ORIG

TAKEOFF MINIMUMS:

RWY 18, 36 STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

RWY 18, POWERLINES BEGINNING 499 FT FROM DER, LEFT AND RIGHT OF CENTERLINE,UP TO 30 FT AGL/319 FT MSL. VEHICLES ON ROADWAY BEGINNING 534 FT FROM DER, LEFT AND RIGHT OF CENTERLINE,UP TO 15 FT AGL/309 FT MSL. TREES BEGINNING 1067 FT FROM DER, 292 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/379 FT MSL.
RWY 36, HANGAR 149 FT FROM DER, 399 FT LEFT OF CENTERLINE,25 FT AGL/317 FT MSL. VEHICLES ON ROADWAY BEGINNING 535 FT FROM DER, LEFT AND RIGHT OF CENTERLINE,UP TO 15 FT AGL/309 FT MSL. POWERLINES 552 FT FROM DER, LEFT AND RIGHT OF CENTERLINE,UP TO 30 FT AGL/324 FT MSL. TREES BEGINNING 1148 FT FROM DER, 793 FT RIGHT OF CENTERLINE,UP TO 100 FT AGL/394 FT MSL. TREES BEGINNING 2570 FT FROM DER, 1167 FT LEFT OF CENTERLINE,UP TO 100 FT AGL/394 FT MSL.

CONTROLLING OBSTACLES:

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
YIGUY (IF/IAF)	ZIKOP (FB)	048.11 / 7.70	2100
ZIKOP *(FAF)*	WUVAX/2.10 NM TO RW05 (FB)	048.18 / 3.55	
WUVAX/2.10 NM TO RW05	RW05 (MAP) (FO)	048.21 / 2.10	
RW05 (MAP)	536 MSL	048.21	
536 MSL	ZONVA (FB)		
ZONVA	PUKKO (FO)	048.22 / 8.02	*2200*

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW05

CLIMB TO 2200 DIRECT ZONVA AND ON TRACK 048.22 TO PUKKO AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 228.31 INBOUND.
CHART FAS OBST: 431 TOWER 354928N/0904021W
CHART FAS OBST: 503 ROD ON OL MCWV TWR 354836N/0904103W
DISTANCE TO THLD FROM 280 HATH: 0.74 NM.
WAAS CHANNEL # 77820
REFERENCE PATH ID: W05A
LTP HAE: 50.2 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW YIGUY, RT, 048.11 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
3. FAC: 048.18 FAF: ZIKOP DIST FAF TO MAP: 5.65 THLD: 5.65
4. MIN. ALT: YIGUY 2300, ZIKOP 2100, WUVAX/2.10 NM TO RW05 960*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2100 GS ALT AT: ZIKOP 2100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 2E EPOCH YEAR: 1995

MINIMUMS

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

CATEGORY ====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	536	1	280	536	1	280	536	1	280	536	1	280			
LNAV/VNAV DA	612	1 1/8	356	612	1 1/8	356	612	1 1/8	356	612	1 1/8	356			
LNAV MDA	760	1	504	760	1	504	760	1 3/8	504	760	1 3/8	504			
CIRCLING	760	1	498	760	1	498	760	1 1/2	498	820	2	558			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING WALNUT RIDGE ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 42C (107F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 262 THRE: 256 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
JONESBORO, AR	JONESBORO MUNI	RNAV	RNAV (GPS) RWY 5, ORIG 5 MAY 2011	AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES, (CONT.):
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WALNUT RIDGE ALTIMETER SETTING AND INCREASE ALL DA 54 FEET AND ALL MDA 60 FEET. INCREASE LPV ALL CATS VISIBILITY 1/8 MILE, LNAV-VNAV ALL CATS VISIBILITY 1/4 MILE AND LNAV CATS C AND D VISIBILITY 1/4 MILE.
CHART NOTE: CIRCLING NA NORTH OF RWY 5-23.
CHART NOTE: CIRCLING RWY 13/31 NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	318/30 CW 138/30 (NOPT)	YIGUY (IF/IAF) (FB)	2300
2.	138/30 CW 318/30	138/10 CW 318/10	3100
3.	138/10 CW 318/10	YIGUY (IF/IAF) (FO)	2300

QUALITY CHECKED

CITY AND STATE	ELEVATION: 262 THRE: 256	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JONESBORO, AR	AIRPORT NAME: JONESBORO MUNI	RNAV	RNAV (GPS) RWY 5, ORIG 5 MAY 2011	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	KJBR
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	354943.7155N
LTP/FTP LONGITUDE	0903904.4670W
LTP/FTP ELLIPSOIDAL HEIGHT	+00502
FPAP LATITUDE	355040.7900N
FPAP LONGITUDE	0903740.2300W
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	0864
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	03817E86

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00781
FPAP ORTHOMETRIC HEIGHT	+00781

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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   PUKKO K40    W     N35580396W090264513                      W0003     NAR           PUKKO
        SUSAEAENRT   WUVAX K40    W     N35482298W090410353                      W0002     NAR           WUVAX
        SUSAEAENRT   YIGUY K40    W     N35410989W090514025                      E0000     NAR           YIGUY
        SUSAEAENRT   ZIKOP K40    W     N35460646W090442459                      W0001     NAR           ZIKOP
        SUSAEAENRT   ZONVA K40    W     N35525582W090342071                      W0002     NAR           ZONVA

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJBRK4AJBR     0     062YHN35495420W090384710E002000262         1800018000C    MNAR    JONESBORO MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJBRK4FR05   AYIGUY 010YIGUYK4EA0EE AR   HF                    04810040    + 02300     18000                A JS
        SUSAP KJBRK4FR05   R       010YIGUYK4EA0E  I    IF                                + 02300     18000                A JS
        SUSAP KJBRK4FR05   R       020ZIKOPK4EA1E  F 051TF                    04810077    + 02100                          A JS
        SUSAP KJBRK4FR05   R       020ZIKOPK4EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KJBRK4FR05   R       021WUVAXK4EA0E S  031TF                    04820036    V 0096000970        -300         A JS
        SUSAP KJBRK4FR05   R       030RW05 K4PG0GY M 031TF                    04820021      00301             -300         A JS
        SUSAP KJBRK4FR05   R       040          0  M     CA                   0482        + 00536                          A JS
        SUSAP KJBRK4FR05   R       050ZONVAK4EA0E        DF                                                             A JS
        SUSAP KJBRK4FR05   R       060PUKKOK4EA0EY    010TF                   0482        + 02200                          A JS
        SUSAP KJBRK4FR05   R       070PUKKOK4EA0EE  R   HM                    22830040    + 02200                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJBRK4GRW05    0062000482 N35494372W090390447+0000    +0050200256000045150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJBRK4PR05   RW05 001 0000W05A0N3549437155W09039044670+005020300N3550407900W0903740230010675086400045OF40050003817E86
        SUSAP KJBRK4PR05   RW05 002E      +00781+00781LPV       77820
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CITY AND STATE	ELEVATION: 262 THRE: 256	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JONESBORO, AR	AIRPORT NAME: JONESBORO MUNI	RNAV	RNAV (GPS) RWY 5, ORIG 5 MAY 2011	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
PBF VOR/DME	PAYIT (FO)	354.35 / 8.03	2000
MOMTE (IAF)	PAYIT (NOPT) (FB)	133.77 / 9.79	2500
UBECA (IAF)	PAYIT (NOPT) (FB)	261.88 / 7.45	2000
PAYIT (IF/IAF)	COCAR (FB)	177.80 / 7.00	1800
COCAR (FAF)	WISDE/1.70 NM TO RW18	177.80 / 3.15	
WISDE/1.70 NM TO RW18	RW18 (MAP) (FO)	177.80 / 1.70	
RW18 (MAP)	456 MSL	177.80	
456 MSL	REROY (FO)		2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

CLIMB TO 2000 DIRECT REROY AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N PAYIT, RT, 177.80 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 177.80 FAF: COCAR DIST FAF TO MAP: 4.85 THLD: 4.85
4. MIN. ALT: PAYIT 2000, COCAR 1800, WISDE/1.70 NM TO RW18 780*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: COCAR 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR
8. MSA FROM: RW18 3300

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 357.80 INBOUND.
CHART FAS OBST: 309 TREE 341111N/0915550W
CHART 289 TREE 341121N/0915618W.
CHART: 445 ELEVATOR 341547N/0915617W
DISTANCE TO THLD FROM 253 HATH: 0.63 NM.
CHART VDP AT 1.08 MILES TO RW18*
*LNAV ONLY.
WAAS CHANNEL # 40420
REFERENCE PATH ID: W18A
LTP HAE: 35.9 M

MAG VAR: 2E 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
LPV DA	456	3/4	253	456	3/4	253	456	3/4	253	456	3/4	253			
LNAV/VNAV DA	645	1	442	645	1	442	645	1	442	645	1	442			
LNAV MDA	600	3/4	397	600	3/4	397	600	3/4	397	600	3/4	397			
CIRCLING	660	1	454	680	1	474	680	1 1/2	474	760	2	554			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.
CHART NOTE: BARO-VNAV NA WHEN USING STUTTGART ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 42C (107F).
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 206 THRE: 203 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PINE BLUFF, AR	GRIDER FIELD	RNAV	RNAV (GPS) RWY 18, AMDT 1 5 MAY 2011	AMDT: ORIG-B DATED 08/21/2008

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: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PBF VOR/DME AIRWAY RADIALS 043 CW 068.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STUTTGART ALTIMETER SETTING AND INCREASE ALL DA 75 FEET AND ALL MDA 80 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C AND D VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOP MALSR INCREASE LNAV CATS A/B VISIBILITY TO 1 AND CATS C/D VISIBILITY TO 1 1/8.
CHART NOTE: FOR INOP MALSR WHEN USING STUTTGART ALTIMETER SETTING, INCREASE LPV VISIBILITY ALL CATS 1/4 MILE, INCREASE LNAV VISIBILITY CATS A/B 1/4 MILE AND CATS C/D 3/8 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 206 THRE: 203	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PINE BLUFF, AR	AIRPORT NAME: **GRIDER FIELD**	**RNAV**	**RNAV (GPS) RWY 18, AMDT 1** 5 MAY 2011	AMDT: **ORIG-B** DATED: **08/21/2008**

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	KPBF
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	341057.9150N
LTP/FTP LONGITUDE	0915608.2960W
LTP/FTP ELLIPSOIDAL HEIGHT	+00359
FPAP LATITUDE	340928.6600N
FPAP LONGITUDE	0915607.9300W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	BA11C026

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00619
FPAP ORTHOMETRIC HEIGHT	+00619

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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        PBF   K4011600VDLA N34144833W091553423    N34144833W091553423E0040002121     NARPINE BLUFF

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   COCAR K40    W     N34154948W091560953                    E0009     NAR           COCAR
        SUSAEAENRT   MOMTE K40    C   L N34295195W092042625                    E0010     NAR           MOMTE
        SUSAEAENRT   PAYIT K40    W     N34225020W091561130                    E0009     NAR           PAYIT
        SUSAEAENRT   REROY K40    W     N33575941W091560504                    E0009     NAR           REROY
        SUSAEAENRT   UBECA K40    C   L N34233821W091471456                    E0008     NAR           UBECA
        SUSAEAENRT   WISDE K40    W     N34124010W091560873                    E0009     NAR           WISDE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPBFK4APBF     0     059YHN34102825W091560818E002000206        1800018000C    MNAR    GRIDER FIELD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPBFK4FR18   AMOMTE 010MOMTEK4EA0E  A    IF                                          18000                A JS
        SUSAP KPBFK4FR18   AMOMTE 020PAYITK4EA0EE B 010TF                   13380098    + 02500                       A JS
        SUSAP KPBFK4FR18   APBF   010PBF  K4D 0V       IF                                          18000                A JS
        SUSAP KPBFK4FR18   APBF   020PAYITK4EA0EY   020TF                  35440080    + 02000                       A JS
        SUSAP KPBFK4FR18   APBF   030PAYITK4EA0EE AR   HF                  17780040    + 02000                       A JS
        SUSAP KPBFK4FR18   AUBECA 010UBECAK4EA0E  A    IF                                          18000                A JS
        SUSAP KPBFK4FR18   AUBECA 020PAYITK4EA0EE B 010TF                   26190075    + 02000                       A JS
        SUSAP KPBFK4FR18   R      010PAYITK4EA0E  I    IF                              + 02000     18000                A JS
        SUSAP KPBFK4FR18   R      020COCARK4EA1E  F 051TF                  17780070    + 01800                RW18  K4PGA JS
        SUSAP KPBFK4FR18   R      020COCARK4EA2WALPV       ALNAV/VNAV ALNAV                                              JS
        SUSAP KPBFK4FR18   R      021WISDEK4EA0E S  031TF                  17780032    V 0078000796       -300       A JS
        SUSAP KPBFK4FR18   R      030RW18 K4PG0GY M 031TF                  17780017      00255            -300       A JS
        SUSAP KPBFK4FR18   R      040         0  M  010CA                  1778        + 00456                       A JS
        SUSAP KPBFK4FR18   R      050REROYK4EA0EY   010DF                             + 02000                       A JS
        SUSAP KPBFK4FR18   R      060REROYK4EA0EE  R020HM                  35780040    + 02000                       A JS
```

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 206 THRE: 203	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PINE BLUFF, AR	AIRPORT NAME: **GRIDER FIELD**	**RNAV**	**RNAV (GPS) RWY 18, AMDT 1** 5 MAY 2011	AMDT: **ORIG-B**
				DATED: **08/21/2008**

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
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPBFK4GRW18     0059981778 N34105792W091560830-0100     +0035900203000054150I

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPBFK4PR18    RW18 001 0000W18A0N3410579150W0915608296O+003590300N3409286600W0915607930010675092000052OF400500BA11C026
          SUSAP KPBFK4PR18    RW18 002E       +00619+00619LPV        40420

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPBFK4SRW18 K4PG                0   18018003325                                                               M
```

SURVEYED
A
CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
PINE BLUFF, AR	**ELEVATION: 206** **THRE: 203** AIRPORT NAME: **GRIDER FIELD**	**RNAV**	**RNAV (GPS) RWY 18, AMDT 1** 5 MAY 2011	SUP: AMDT: **ORIG-B** DATED: **08/21/2008**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PBF VOR/DME	REROY (FO)	179.46 / 16.79	2000
JUPDA (IAF)	REROY (NOPT) (FB)	278.26 / 23.74	2000
ZAMTU (IAF)	REROY (NOPT) (FB)	077.85 / 13.02	2000
REROY (IF/IAF)	ESICO (FB)	357.80 / 7.10	1800
ESICO (FAF)	WEPIR/1.70 NM TO RW36 (FB)	357.80 / 3.17	
WEPIR/1.70 NM TO RW36	RW36 (MAP) (FO)	357.80 / 1.70	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

CLIMB TO 2000 DIRECT PAYIT AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 177.80 INBOUND.
CHART FAS OBST: 304 TREE 340845N/0915642W
CHART 303 TREE 340918N/0915551W.
DISTANCE TO THLD FROM 250 HATH: 0.62 NM.
WAAS CHANNEL # 86620
REFERENCE PATH ID: W36A
LTP HAE: 34.6 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S REROY, RT, 357.80 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 357.80 FAF: ESICO DIST FAF TO MAP: 4.87 THLD: 4.87
4. MIN. ALT: REROY 2000, ESICO 1800, WEPIR/1.70 NM TO RW36 780*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: ESICO 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR
8. MSA FROM: RW36 3300

MAG VAR: 2E EPOCH YEAR: 2005

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	449	1	250	449	1	250	449	1	250	449	1	250			
LNAV/VNAV DA	484	1	285	484	1	285	484	1	285	484	1	285			
LNAV MDA	600	1	401	600	1	401	600	1 1/8	401	600	1 1/8	401			
CIRCLING	660	1	454	680	1	474	680	1 1/2	474	760	2	554			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING STUTTGART ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 15C (5F) OR ABOVE 42C (107F).
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 36 PROCEDURE NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 206 THRE: 199 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PINE BLUFF, AR	GRIDER FIELD	RNAV	RNAV (GPS) RWY 36, AMDT 1 5 MAY 2011	AMDT: ORIG
				DATED 08/05/2004

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW36 (MAP)	449 MSL	357.80	
449 MSL	PAYIT (FO)		2000

NOTES, (CONT.):
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PBF VOR/DME ON V16 NE BOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STUTTGART ALTIMETER SETTING AND INCREASE ALL DA 75 FEET AND ALL MDA 80 FEET; INCREASE LNAV/VNAV VISIBILITY ALL CATS 1/8 MILE AND LNAV VISIBILITY CATS C AND D 1/4 MILE.
*LNAV ONLY

QUALITY CHECKED

CITY AND STATE	ELEVATION: 206 THRE: 199	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PINE BLUFF, AR	AIRPORT NAME: GRIDER FIELD	RNAV	RNAV (GPS) RWY 36, AMDT 1 5 MAY 2011	AMDT: ORIG
				DATED: 08/05/2004

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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	KPBF
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	340958.5785N
LTP/FTP LONGITUDE	0915608.0540W
LTP/FTP ELLIPSOIDAL HEIGHT	+00346
FPAP LATITUDE	341127.8400N
FPAP LONGITUDE	0915608.4200W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F0EE750A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00606
FPAP ORTHOMETRIC HEIGHT	+00606

QUALITY 3 CHECKED

CITY AND STATE	ELEVATION: 206 THRE: 199	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PINE BLUFF, AR	AIRPORT NAME: GRIDER FIELD	RNAV	RNAV (GPS) RWY 36, AMDT 1 5 MAY 2011	AMDT: ORIG DATED: 08/05/2004

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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        PBF   K4011600VDLA N34144833W091553423    N34144833W091553423E0040002121     NARPINE BLUFF

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ESICO K40    W     N34050616W091560682                    E0009    NAR          ESICO
        SUSAEAENRT   JUPDA K40    C   L N33534847W091275964                    E0006    NAR          JUPDA
        SUSAEAENRT   PAYIT K40    W     N34225020W091561130                    E0009    NAR          PAYIT
        SUSAEAENRT   REROY K40    W     N33575941W091560504                    E0009    NAR          REROY
        SUSAEAENRT   WEPIR K40    W     N34081640W091560762                    E0009    NAR          WEPIR
        SUSAEAENRT   ZAMTU K40    C   L N33554248W092112939                    E0011    NAR          ZAMTU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPBFK4APBF     0     059YHN34102825W091560818E002000206         1800018000C    MNAR    GRIDER FIELD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPBFK4FR36   AJUPDA 010JUPDAK4EA0E  A    IF                                                18000                A JS
        SUSAP KPBFK4FR36   AJUPDA 020REROYK4EA0EE B 010TF                    27830237    + 02000                                A JS
        SUSAP KPBFK4FR36   APBF   010PBF  K4D 0V       IF                                                18000                A JS
        SUSAP KPBFK4FR36   APBF   020REROYK4EA0EY   020TF                    17950168    + 02000                                A JS
        SUSAP KPBFK4FR36   APBF   030REROYK4EA0EE AR   HF                    35780040    + 02000                                A JS
        SUSAP KPBFK4FR36   AZAMTU 010ZAMTUK4EA0E  A    IF                                                18000                A JS
        SUSAP KPBFK4FR36   AZAMTU 020REROYK4EA0EE B 010TF                    07790130    + 02000                                A JS
        SUSAP KPBFK4FR36   R      010REROYK4EA0E  I    IF                                + 02000    18000                       A JS
        SUSAP KPBFK4FR36   R      020ESICOK4EA1E  F 051TF                    35780071    + 01800                RW36  K4PGA JS
        SUSAP KPBFK4FR36   R      020ESICOK4EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
        SUSAP KPBFK4FR36   R      021WEPIRK4EA0E S  031TF                    35780032    V 0078000794       -300               A JS
        SUSAP KPBFK4FR36   R      030RW36 K4PG0GY M 031TF                    35780017      00251            -300               A JS
        SUSAP KPBFK4FR36   R      040         0  M  010CA                    3578        + 00449                               A JS
        SUSAP KPBFK4FR36   R      050PAYITK4EA0EY   010DF                                + 02000                               A JS
        SUSAP KPBFK4FR36   R      060PAYITK4EA0EE  R020HM                    17780040    + 02000                               A JS
```

CITY AND STATE	ELEVATION: 206 THRE: 199	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PINE BLUFF, AR	AIRPORT NAME: GRIDER FIELD	RNAV	RNAV (GPS) RWY 36, AMDT 1 5 MAY 2011	AMDT: ORIG DATED: 08/05/2004

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KPBFK4GRW36     0059983578 N34095858W091560805+0100     +0034600199000052150R

            1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KPBFK4PR36    RW36 001 0000W36A0N3409585785W09156080540+003460300N3411278400W0915608420010675092000052OF400500F0EE750A
        SUSAP KPBFK4PR36    RW36 002E       +00606+00606LPV       86620

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KPBFK4SRW36 K4PG                0   18018003325                                                              M
```

SPECIAL 4 OPSCKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PINE BLUFF, AR	**ELEVATION: 206** **THRE: 199** AIRPORT NAME: **GRIDER FIELD**	**RNAV**	**RNAV (GPS) RWY 36, AMDT 1** 5 MAY 2011	AMDT: **ORIG** DATED: **08/05/2004**

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
PINE BLUFF, AR	GRIDER FIELD	5 MAY 2011	ORIG

TAKEOFF MINIMUMS:

RWY 18, 36 STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, TREES BEGINNING 145 FT FROM DER, 259 FT LEFT OF CENTERLINE, UP TO 27 FT AGL/224 FT MSL. TREES BEGINNING 223 FT FROM DER, 503 FT RIGHT OF CENTERLINE, UP TO 92 FT AGL/289 FT MSL.

NOTE: RWY 36, TREES BEGINNING 2187 FT FROM DER, 323 FT LEFT OF CENTERLINE, UP TO 92 FT AGL/289 FT MSL. TREE 2333 FT FROM DER, 252 FT RIGHT OF CENTERLINE, 66 FT AGL/263 FT MSL.

CONTROLLING OBSTACLES:

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet 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
SJC VOR/DME (IAF)	BRIEN INT/I-HWD 15.41 DME	008.78 / 9.80	4300
BRIEN INT/I-HWD 15.41 DME (IF)	WEVNA INT/I-HWD 11.21 DME	287.86 / 4.20 (I-HWD)	3700
WEVNA INT/I-HWD 11.21 DME	FERNE/I-HWD 7.41 DME	287.86 / 3.80 (I-HWD)	2500

MISSED APPROACH

MAP: I-HWD 0.86 DME FIX

CLIMB TO 2000 DIRECT OAK VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 120.00 INBOUND.
FAS OBST: 239 AAO 373750N/1220255W
659 AAO 373723N/1220147W
FERNE TO RW28L: 3.44/55.
CHART PLANVIEW NOTE: LOC OFFSET 3.00 DEGREES
FAC ALIGNED TO THLD

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT BRIEN INT/I-HWD 15.41 DME
3. FAC 287.86 FAF FERNE/I-HWD 7.41 DME DIST FAF TO MAP ____ THLD 6.56
4. MIN ALT BRIEN 4300, WEVNA 3700, FERNE 2500, RISHE/I-HWD 4.81 DME 1540
8. MSA FROM: OAK VORTAC 170-350 3800, 350-170 5100

MAG VAR: 15E EPOCH YEAR: 2005

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-28L	500	1	450	500	1	450	500	1 3/8	450	500	1 3/8	450			
CIRCLING	540	1	488	540	1	488	540	1 1/2	488	620	2	568			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: CIRCLING NA NORTH OF RWY 10L/28R.
CHART NOTE: WHEN VGSI INOP CIRCLING RWY 10L/28R NA AT NIGHT.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 52 THRE: 50	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
HAYWARD, CA	AIRPORT NAME: HAYWARD EXECUTIVE	I-HWD	LOC/DME RWY 28L, AMDT 2 05 MAY 2011	AMDT 1C
				DATE 10/21/2010

NOTES, (CONT.):
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 28L PROCEDURE NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OAKLAND ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SJC VOR/DME ON V334 SOUTHBOUND AND T259 SOUTHWEST BOUND.

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
SJC VOR/DME (IAF)	JORPA INT/OAK 17.61 DME	345.62 / 9.83	4200
JORPA INT/OAK 17.61 DME (IF)	CIGDU/OAK 12.85 DME	292.50 / 4.76 (OAK R-113)	2700
CIGDU/OAK 12.85 DME	ZENUG/OAK 11.58 DME	292.50 / 1.27 (OAK R-113)	2300

MISSED APPROACH

MAP: HIVSO/OAK 6.81 DME

CLIMB TO 2000 DIRECT OAK VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 120.00 INBOUND.
CHART FAS OBST: 539 TREE 373927N/1220348W
CHART: 579 TREE 373840N/1220259W
FAC 294L OF RWY C/L EXTENDED 3000 FROM THLD.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT JORPA
3. FAC 292.50 FAF ZENUG/OAK 11.58 DME DIST FAF TO MAP ____ THLD ____
4. MIN. ALT JORPA 4200, CIGDU 2700, ZENUG 2300, WUTOX/OAK 9.00 DME 1340
8. MSA FROM: OAK VORTAC 170-350 3800, 350-170 5100

MAG VAR: 17E EPOCH YEAR:1975

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	560	1	508	560	1	508	560	1 1/2	508	620	2	568			

NOTES:

CHART NOTE: CIRCLING TO RWY 10L/28R NA AT NIGHT.
CHART NOTE: CIRCLING NA NORTH OF RWY 10L/28R.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OAKLAND ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 52 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR/DME OR GPS-B
HAYWARD, CA	HAYWARD EXECUTIVE	OAK	VOR/DME-B, AMDT 2 05 MAY 2011	AMDT 1D DATE 10/21/2010

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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NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SJC VOR/DME ON V334 SOUTHBOUND AND T259 SOUTHWEST BOUND.

CITY AND STATE	ELEVATION: 52 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: VOR/DME OR GPS-B
HAYWARD, CA	HAYWARD EXECUTIVE	OAK	VOR/DME-B, AMDT 2 05 MAY 2011	AMDT: 1D DATED: 10/21/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PYE VORTAC (IAF)	BURDE INT/SGD 11.31 DME (NOPT)	066.18 / 13.10	3500
SAU VORTAC (IAF)	BURDE INT/SGD 11.31 DME (NOPT)	330.47 / 15.35	4000
BURDE INT/SGD 11.31 DME (IF)	JATPO INT/SGD 4.00 DME	050.00 / 7.31 (SGD R-230)	2600
JATPO INT/SGD 4.00 DME	SGD VORTAC	050.00 / 4.00	1600

MISSED APPROACH

MAP: 3.75 MILES AFTER SGD VORTAC OR AT JUNUV/SGD 3.75 DME FIX

CLIMBING LEFT TURN TO 3200 ON HEADING 200 TO SGD VORTAC R-230 TO BURDE INT/SGD 11.31 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 230.00 INBOUND.
FAS OBST: 210 AAO 381212N/1222130W
CHART VDP AT 3.24 DME; DISTANCE VDP TO THLD 1.11 MILES.
SGD VORTAC TO RW06: 3.32/55

1 PT **L** SIDE OF COURSE **229.99** OUTBOUND **3500** FT WITHIN **10** MILES OF **SGD VORTAC** (IAF)
2
3 FAC **049.99** FAF **SGD VORTAC** DIST FAF TO MAP **3.75** THLD **4.35**
4 MIN. ALT **JATPO 2600, SGD VORTAC 1600**
8 MSA FROM: **SGD VORTAC 090-180 5100, 180-270 3800, 270-090 4300**

MAG VAR: **17E** 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-6	460	1	446	460	1	446	460	1 3/8	446	460	1 3/8	446			
CIRCLING	600	1	565	620	1	585	720	2	685	1240	3	1205			

NOTES:

CHART NOTE: CIRCLING NA NORTHEAST OF RWY 18R AND 24.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CONCORD ALTIMETER SETTING AND INCREASE ALL MDA 60 FT AND CIRCLING CAT C VISIBILITY 1/4 MILE.
(SEE FORM 8260-10)

@ CAT D 1300-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
NAPA, CA	**ELEVATION: 35** **THRE: 14** AIRPORT NAME: **NAPA COUNTY**	**SGD**	**VOR RWY 6, AMDT 13** 05 MAY 2011	AMDT **12A** DATE **01/20/2005**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23

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NOTES, (CONT.):
CHART NOTE: PROCEDURE NA FOR ARRIVALS AT PYE VORTAC ON V107-301 WESTBOUND.
CHART NOTE: VDP NA WITH CONCORD ALTIMETER SETTING.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
NAPA, CA	**ELEVATION: 35** **THRE: 14** AIRPORT NAME: **NAPA COUNTY**	**SGD**	**VOR RWY 6, AMDT 13** 05 MAY 2011	SUP: AMDT: **12A** DATED: **01/20/2005**

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
YINNZ INT/ATL 25.22 DME/RADAR (IAF)	PENCL/I-OMO 13.89 DME/RADAR	018.00 / 7.87 (HDG) & 093.97 / 8.80 (I-OMO)	4000
POOBA/I-OMO 20.17 DME/RADAR (IAF)	PENCL/I-OMO 13.89 DME/RADAR	093.97 / 6.28 (I-OMO)	4000
PENCL/I-OMO 13.89 DME/RADAR (IF)	ZMANN/I-OMO 10.91 DME/RADAR	093.97 / 2.99 (I-OMO)	4000
ZMANN/I-OMO 10.91 DME/RADAR	DAELE/I-OMO 6.80 DME/RADAR	093.97 / 4.10 (I-OMO)	2700

MISSED APPROACH

ILS: DA
LOC: RW10

CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3000 ON ATL VORTAC R-180 TO SCARR INT/ATL 15.00 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 180.00 AND PDK VOR/DME R-195 TO SCARR INT/PDK 30.54 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 360.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S SCARR INT/PDK 30.54 DME, RT, 014.96 INBOUND.
CHART FAS OBST: 1193 TOWER 333656N/0843008W
CHART VDP AT 3.04 DME*;
DISTANCE VDP TO THLD 1.39 MILES.
*LOC ONLY.
CHART (DMGXB) AT INTERSECTION OF YINNZ DR LEG AND INTERMEDIATE COURSE.
CHART: LOC RWY 9L, 8R, AND 8L

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT POOBA/I-OMO 20.17 DME/RADAR
3. FAC: 093.97 FAF: DAELE/I-OMO 6.80 DME/RADAR DIST FAF TO MAP: 5.16 THLD: 5.16
4. MIN. ALT: POOBA 4000, PENCL 4000, ZMANN 4000, DAELE 2700
5. DIST TO THLD FROM OM: - MM: - IM: 860 150 HAT: 1754 100 HAT: 800 GS ANT: 1150
6. MIN GS INCPT: 2700 GS ALT AT: DAELE 2700 OM: - MM: - IM: 1100
7. GS ANGLE: 3.00 TCH: 57.8
8. MSA FROM: ATL VORTAC 3100

MAG VAR: 4W 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 10	1200	1800	200	1200	1800	200	1200	1800	200	1200	1800	200			
S-LOC 10	1500	2400	500	1500	2400	500	1500	5000	500	1500	5000	500			

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 10: CAT A, B, C, D, RA 107, RVR 1200, HATh 100, DA 1100 MSL.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS-10: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb NA. CAT IIIc NA.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1000 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	HARTSFIELD - JACKSON ATLANTA INTL	I-OMO	ILS OR LOC RWY 10, AMDT 2 ILS RWY 10 (SA CAT I) ILS RWY 10 (CAT II) , ILS RWY 10 (CAT III)	AMDT: 1A DATED 10/25/2007

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NOTES, (CONT.):

SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 10: CAT A, B, C, D, RA 157, RVR 1400, HATh 150, DA 1150 MSL.

CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART NOTE: DME OR RADAR REQUIRED.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 9L OR 8R OR 8L, OR RWYS 9L AND 8L.

CHART NOTE: ILS LOC UNUSABLE FOR ROLLOUT GUIDANCE.

SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.

CHART NOTE: FOR INOPERATIVE ALSF-2 INCREASE S-LOC CAT C/D VISIBILITY TO 1 3/8.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1000 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	**HARTSFIELD - JACKSON ATLANTA INTL**	**I-OMO**	**ILS OR LOC RWY 10, AMDT 2 ILS RWY 10 (SA CAT I) ILS RWY 10 (CAT II) , ILS RWY 10 (CAT III) 05 MAY 2011**	AMDT: **1A** DATED: **10/25/2007**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC PACKET - 424-18 - ILS

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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         SUSAD        ATL   K7011690VTH  N33374466W084260626    N33374268W084260626E0000010002     NARATLANTA
         SUSAD KATLK7 IOMO  K7011155 IT                    IOMON33371245W084245396     009700     NARHARTSFIELD - JACKSON ATLANTA I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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         SUSAEAENRT   DAELE K70    C     N33371266W084330279                    W0044     NAR           DAELE
         SUSAEAENRT   DMGXB K70    W     N33371101W084520479                    W0042     NAR           CNF(DMGXB)
         SUSAEAENRT   PENCL K70    C     N33371173W084413216                    W0043     NAR           PENCL
         SUSAEAENRT   POOBA K70    C     N33371041W084490342                    W0043     NAR           POOBA
         SUSAEAENRT   SCARR K70    C   L N33224310W084260625                    W0045     NAR           SCARR
         SUSAEAENRT   YINNZ K70    C     N33293627W084544065                    W0042     NAR           YINNZ
         SUSAEAENRT   ZMANN K70    C     N33371219W084375769                    W0044     NAR           ZMANN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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         SUSAP KATLK7AATL     0     118YHN33381219W084254104W002001026          1800018000C    MNAR     HARTSFIELD - JACKSON ATLANTA I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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         SUSAP KATLK7FI10   APOOBA 010POOBAK7EA0E  A    IF                                  + 04000     18000                0 NS
         SUSAP KATLK7FI10   APOOBA 020PENCLK7EA0E  B    TF                                  + 04000                          0 NS
         SUSAP KATLK7FI10   APOOBA 030ZMANNK7EA0EE      CF IOMOK7      2740010909400030PI  + 04000                          0 NS
         SUSAP KATLK7FI10   AYINNZ 010YINNZK7EA0E  A    IF                                                18000           0 NS
         SUSAP KATLK7FI10   AYINNZ 020DMGXBK7EA0E       TF                                  + 04000                          0 NS
         SUSAP KATLK7FI10   AYINNZ 030PENCLK7EA0E  B    TF                                  + 04000                          0 NS
         SUSAP KATLK7FI10   AYINNZ 040ZMANNK7EA0EE      CF IOMOK7      2740010909400030PI  + 04000                          0 NS
         SUSAP KATLK7FI10   I       010ZMANNK7EA0E  I    IF IOMOK7      27400109        PI  J 040000270018000                0 NS
         SUSAP KATLK7FI10   I       020DAELEK7EA0E  F    CF IOMOK7      2740006809400041PI  H 0270002700        -300ATL   K7D 0 NS
         SUSAP KATLK7FI10   I       030RW10 K7PG0GY M    CF IOMOK7      2740001609400052PI    01058             -300           0 NS
         SUSAP KATLK7FI10   I       040          0  M    CA                      0940       + 01400                          0 NS
         SUSAP KATLK7FI10   I       050SCARRK7EA0EY      CF ATL K7      18000150180001500   + 03000                          0 NS
         SUSAP KATLK7FI10   I       060SCARRK7EA0EE  R   HM                      3600T010   + 03000                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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         SUSAP KATLK7GRW10    0090000920 N33371298W084265236+0000    +027550100000005815OIIOMO3
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QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1000	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: HARTSFIELD - JACKSON ATLANTA INTL	I-OMO	ILS OR LOC RWY 10, AMDT 2 ILS RWY 10 (SA CAT I) ILS RWY 10 (CAT II), ILS RWY 10 (CAT III)	AMDT: 1A DATED: 10/25/2007

05 MAY 2011

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

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ILS      1         2         3         4         5         6         7         8         9         0         1         2         3
         12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------
         SUSAP KATLK7IIOMO3    011155RW10 N33371302W084245399094ON33370893W0842638761010 11500400300W00405800985

MSA      1         2         3         4         5         6         7         8         9         0         1         2         3
         12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------
         SUSAP KATLK7SATL  K7D               0   18018003125                                                              M
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QUALITY CHECKED

CITY AND STATE	ELEVATION: **1026** THRE: **1000**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: **HARTSFIELD - JACKSON ATLANTA INTL**	**I-OMO**	**ILS OR LOC RWY 10, AMDT 2** **ILS RWY 10 (SA CAT I)** **ILS RWY 10 (CAT II), ILS RWY 10 (CAT III)**	AMDT: **1A** DATED: **10/25/2007**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	POOBA	POOBA	010	IAF	IF		FB				AA 04000	
	POOBA	PENCL	020		TF		FB				AA 04000	
	POOBA	ZMANN	030		CF		FB		094.0()	003.0	AA 04000	
	YINNZ	YINNZ	010	IAF	IF		FB					
	YINNZ	DMGXB	020		TF		FB				AA 04000	
	YINNZ	PENCL	030		TF		FB				AA 04000	
	YINNZ	ZMANN	040		CF		FB		094.0()	003.0	AA 04000	
		ZMANN	010	FACF	IF		FB				AA 04000 GI 02700	
		DAELE	020	FAF	CF		FB		094.0()	004.1	GI 02700 GS 02700	
		RW10	030	MAP	CF		FO		094.0()	005.2	AT 01058	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		094.0()		AA 01400	
	SCARR	050		CF		FO		180.0()	015.0	AA 03000	
	SCARR	060		HM	R	FO		360.0()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATL	N333744.66	W0842606.26	N3337.744	W08426.104
	IOMO (DME)	N333712.45	W0842453.96	N3337.208	W08424.899
	DAELE	N333712.66	W0843302.79	N3337.211	W08433.047
	DMGXB	N333711.01	W0845204.79	N3337.184	W08452.080
	PENCL	N333711.73	W0844132.16	N3337.196	W08441.536
	POOBA	N333710.41	W0844903.42	N3337.174	W08449.057
	SCARR	N332243.10	W0842606.25	N3322.718	W08426.104
	YINNZ	N332936.27	W0845440.65	N3329.605	W08454.678
	ZMANN	N333712.19	W0843757.69	N3337.203	W08437.962
	RW10	N333712.98	W0842652.36	N3337.216	W08426.873
	IOMO (LOC)	N333713.02	W0842453.99	N3337.217	W08424.900

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	01000	58

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1000	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: **HARTSFIELD - JACKSON ATLANTA INTL**	**I-OMO**	**ILS OR LOC RWY 10, AMDT 2** **ILS RWY 10 (SA CAT I)** **ILS RWY 10 (CAT II), ILS RWY 10 (CAT III)**	AMDT: **1A** DATED: **10/25/2007**

FAA FORM 8260 - 10 / April 2006 (Computer Generated)

05 MAY 2011

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
TERII INT/ATL 25.86 DME/RADAR (IAF)	ANIEE/I-PKU 13.98 DME/RADAR	348.00 / 8.87 (HDG) & 273.98 / 8.87 (I-PKU)	4000
DACTL/I-PKU 20.79 DME/RADAR (IAF)	ANIEE/I-PKU 13.98 DME/RADAR	273.96 / 6.81 (I-PKU)	4000
ANIEE/I-PKU 13.98 DME/RADAR (IF)	FOGER/I-PKU 10.93 DME/RADAR	273.98 / 3.05 (I-PKU)	4000
FOGER/I-PKU 10.93 DME/RADAR	JUBBA/I-PKU 6.83 DME/RADAR	273.98 / 4.10 (I-PKU)	2700

MISSED APPROACH

ILS: DA
LOC: RW28

CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 ON ATL VORTAC R-180 TO SCARR INT/ATL 15.00 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 180 AND PDK VOR/DME R-195 TO SCARR INT/PDK 30.54 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 360.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S SCARR INT/PDK 30.54 DME, RT, 014.96 INBOUND.
CHART FAS OBST: 1170 TANK 333729N/0842306W
CHART VDP AT 2.81 DME*;
DISTANCE VDP TO THLD 1.15 MILES.
*LOC ONLY.
CHART (KNDBM) AT INTERSECTION OF TERII DR LEG AND INTERMEDIATE COURSE.
CHART: LOC RWYS 27R, 26L, AND 26R

1. PT ___ SIDE OF COURSE ___ OUTBOUND ___ FT WITHIN ___ MILES OF ___ (IAF)
2. PROFILE STARTS AT DACTL
3. FAC: 273.98 FAF: JUBBA/I-PKU 6.83 DME/RADAR DIST FAF TO MAP: 5.17 THLD: 5.17
4. MIN. ALT: DACTL 4000, ANIEE 4000, FOGER 4000, JUBBA 2700
5. DIST TO THLD FROM OM: - MM: - IM: 860 150 HAT: 1818 100 HAT: 864 GS ANT: 1100
6. MIN GS INCPT: 2700 GS ALT AT: JUBBA 2700 OM: - MM: - IM: 1098
7. GS ANGLE: 3.00 TCH: 55.2
8. MSA FROM: ATL VORTAC 3100

MAG VAR: 4W 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 28	1198	1800	200	1198	1800	200	1198	1800	200	1198	1800	200			
S-LOC 28	1420	2400	422	1420	2400	422	1420	4000	422	1420	4000	422			

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 28: CAT A, B, C, D, RA 124, RVR 1200, HATh 100, DA 1098 MSL.
SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 28: CAT A, B, C, D, RA 174, RVR 1400, HATh 150, DA 1148 MSL.
(SEE FORM 8260-10)

QUALITY 3 CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 998 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	HARTSFIELD - JACKSON ATLANTA INTL	I-PKU	ILS OR LOC RWY 28, AMDT 2 ILS RWY 28 (SA CAT I) 05 MAY 2011 ILS RWY 28 (CAT II)	AMDT: 1A DATED 10/25/2007

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NOTES, (CONT.):
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 27R OR 26L OR 26R, OR RWYS 27R AND 26R.
CHART NOTE: DME OR RADAR REQUIRED.
CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART PLANVIEW NOTE: RADAR REQUIRED
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC OR LOA APPROVAL AND USE OF HUD TO DH.

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	**ELEVATION: 1026 THRE: 998** AIRPORT NAME: **HARTSFIELD - JACKSON ATLANTA INTL**	**I-PKU**	**ILS OR LOC RWY 28, AMDT 2** **ILS RWY 28 (SA CAT I)** 5 MAY 11 **ILS RWY 28 (CAT II)**	AMDT: **1A** DATED: **10/25/2007**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC PACKET - 424-18 - ILS

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ATL   K7011690VTH  N33374466W084260626    N33374268W084260626E0000010002     NARATLANTA
        SUSAD KATLK7 IPKU  K7011175 IT                    IPKUN33371241W084270532     009700     NARHARTSFIELD - JACKSON ATLANTA I

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ANIEE K70    C     N33371240W084102070                    W0047     NAR           ANIEE
        SUSAEAENRT   DACTL K70    C     N33371130W084021127                    W0048     NAR           DACTL
        SUSAEAENRT   FOGER K70    C     N33371272W084135989                    W0047     NAR           FOGER
        SUSAEAENRT   JUBBA K70    C     N33371297W084185429                    W0046     NAR           JUBBA
        SUSAEAENRT   KNDBM K70    W     N33371214W083594350                    W0048     NAR           CNF(KNDBM)
        SUSAEAENRT   SCARR K70    C   L N33224310W084260625                    W0045     NAR           SCARR
        SUSAEAENRT   TERII K70    C     N33283486W083570934                    W0049     NAR           TERII

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KATLK7AATL     0     118YHN33381219W084254104W002001026        1800018000C    MNAR    HARTSFIELD - JACKSON ATLANTA I

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KATLK7FI28   ADACTL 010DACTLK7EA0E  A    IF                                          18000                0 NS
        SUSAP KATLK7FI28   ADACTL 020ANIEEK7EA0E  B    TF                                  + 04000                      0 NS
        SUSAP KATLK7FI28   ADACTL 030FOGERK7EA0EE      CF IPKUK7      0940010927400031PI  + 04000                      0 NS
        SUSAP KATLK7FI28   ATERII 010TERIIK7EA0E  A    IF                                          18000                0 NS
        SUSAP KATLK7FI28   ATERII 020KNDBMK7EA0E       TF                                  + 04000                      0 NS
        SUSAP KATLK7FI28   ATERII 030ANIEEK7EA0E  B    TF                                  + 04000                      0 NS
        SUSAP KATLK7FI28   ATERII 040FOGERK7EA0EE      CF IPKUK7      0940010927400031PI  + 04000                      0 NS
        SUSAP KATLK7FI28   I      010FOGERK7EA0E  I    IF IPKUK7      09400109        PI  J 040000270018000                0 NS
        SUSAP KATLK7FI28   I      020JUBBAK7EA0E  F    CF IPKUK7      0940006827400041PI  H 0270002700        -300ATL   K7D 0 NS
        SUSAP KATLK7FI28   I      030RW28 K7PG0GY M    CF IPKUK7      0940001727400052PI    01053             -300           0 NS
        SUSAP KATLK7FI28   I      040          0  M    CA                    2740         + 01400                      0 NS
        SUSAP KATLK7FI28   I      050SCARRK7EA0EY  L   CFYATL K7      1800015018000150D   + 03000                      0 NS
        SUSAP KATLK7FI28   I      060SCARRK7EA0EE  R   HM                    3600T010     + 03000                      0 NS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KATLK7GRW28    0090002720 N33371302W084250594+0000    +027460099800005515OIIPKU2
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 998	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: **HARTSFIELD - JACKSON ATLANTA INTL**	**I-PKU**	**ILS OR LOC RWY 28, AMDT 2** **ILS RWY 28 (SA CAT I)** 5 MAY 11 **ILS RWY 28 (CAT II)**	AMDT: **1A** DATED: **10/25/2007**

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KATLK7IIPKU2    011175RW28 N33371297W0842705292740N33371707W0842518951093 11000397300W00405500990

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KATLK7SATL  K7D                0   18018003125                                                                    M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 998	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: **HARTSFIELD - JACKSON ATLANTA INTL**	**I-PKU**	**ILS OR LOC RWY 28, AMDT 2** **ILS RWY 28 (SA CAT I)** 5 MAY 11 **ILS RWY 28 (CAT II)**	AMDT: **1A**
				DATED: **10/25/2007**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DACTL	DACTL	010	IAF	IF		FB					
	DACTL	ANIEE	020		TF		FB				AA 04000	
	DACTL	FOGER	030		CF		FB		274.0()	003.1	AA 04000	
	TERII	TERII	010	IAF	IF		FB					
	TERII	KNDBM	020		TF		FB				AA 04000	
	TERII	ANIEE	030		TF		FB				AA 04000	
	TERII	FOGER	040		CF		FB		274.0()	003.1	AA 04000	
		FOGER	010	FACF	IF		FB				AA 04000 GI 02700	
		JUBBA	020	FAF	CF		FB		274.0()	004.1	GI 02700 GS 02700	
		RW28	030	MAP	CF		FO		274.0()	005.2	AT 01053	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		274.0()		AA 01400	
	SCARR	050		CF	L	FO		180.0()	015.0	AA 03000	
	SCARR	060		HM	R	FO		360.0()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATL	N333744.66	W0842606.26	N3337.744	W08426.104
	IPKU (DME)	N333712.41	W0842705.32	N3337.207	W08427.089
	ANIEE	N333712.40	W0841020.70	N3337.207	W08410.345
	DACTL	N333711.30	W0840211.27	N3337.188	W08402.188
	FOGER	N333712.72	W0841359.89	N3337.212	W08413.998
	JUBBA	N333712.97	W0841854.29	N3337.216	W08418.905
	KNDBM	N333712.14	W0835943.50	N3337.202	W08359.725
	SCARR	N332243.10	W0842606.25	N3322.718	W08426.104
	TERII	N332834.86	W0835709.34	N3328.581	W08357.156
	RW28	N333713.02	W0842505.94	N3337.217	W08425.099
	IPKU (LOC)	N333712.97	W0842705.29	N3337.216	W08427.088

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00998	55

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 998	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: **HARTSFIELD - JACKSON ATLANTA INTL**	**I-PKU**	**ILS OR LOC RWY 28, AMDT 2** **ILS RWY 28 (SA CAT I)** 5 MAY 11 **ILS RWY 28 (CAT II)**	AMDT: **1A** DATED: **10/25/2007**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
YINNZ INT/ATL 25.22 DME/RADAR (IAF)	PENCL/I-OMO 13.89 DME/RADAR	018.00 / 7.87 (HDG) & 093.97 / 8.80 (I-OMO)	4000
POOBA/I-OMO 20.17 DME/RADAR (IAF)	PENCL/I-OMO 13.89 DME/RADAR	093.97 / 6.28 (I-OMO)	4000
PENCL/I-OMO 13.89 DME/RADAR (IF)	ZMANN/I-OMO 10.91 DME/RADAR	093.97 / 2.99 (I-OMO)	4000*
ZMANN/I-OMO 10.91 DME/RADAR	DAELE/I-OMO 6.80 DME/RADAR	093.97 / 4.10 (I-OMO)	2700

MISSED APPROACH

ILS: DA

CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3000 ON ATL VORTAC R-180 TO SCARR INT/ATL 15.00 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 180 AND PDK VOR/DME R-195 TO SCARR INT/PDK 30.54 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 360.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S SCARR INT/PDK 30.54 DME, RT, 014.96 INBOUND.
CHART: LOC RWY 9R, 9L, 8R, AND 8L.
CHART (DMGXB) AT INTERSECTION OF YINNZ DR LEG AND INTERMEDIATE COURSE.
CHART IN PLANVIEW: PDK VOR/DME.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT POOBA
3. FAC: 093.97 FAF: DAELE/I-OMO 6.80 DME/RADAR DIST FAF TO MAP: ____ THLD: 5.16
4. MIN. ALT: POOBA 4000, PENCL 4000, ZMANN 4000*, DAELE 2700
5. DIST TO THLD FROM OM: 5.16 MM: - IM: 860 150 HAT: 1754 100 HAT: 800 GS ANT: 1150
6. MIN GS INCPT: 2700 GS ALT AT: DAELE 2700 OM: - MM: - IM: 1100
7. GS ANGLE: 3.00 TCH: 57.8
8. MSA FROM: ATL VORTAC 3100

MAG VAR: 4W EPOCH YEAR: 2010

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 10	1200	1800	200	1200	1800	200	1200	1800	200	1200	1800	200			

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 10: CAT A, B, C, D, RA 107, RVR 1200, HATh 100, DA 1100 MSL.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED, S-ILS-10: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb NA. CAT IIIc NA.
(SEE FORM 8260-10)

QUALITY 3 CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1000 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	HARTSFIELD - JACKSON ATLANTA INTL	I-OMO	ILS PRM RWY 10, AMDT 2 ILS RWY 10 (CAT II) , ILS RWY 10 (CAT III) (SIMULTANEOUS CLOSE PARALLEL)	AMDT: 1A DATED 10/25/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES, (CONT.):
CHART NOTE: LOCALIZER NOT SUITABLE FOR ELECTRONIC ROLLOUT GUIDANCE.
CHART NOTE: SIMULTANEOUS CLOSE PARALLEL APPROACH AUTHORIZED WITH ILS PRM RUNWAY 9L OR 9R AND 8L OR 8R. PROCEDURE NOT AUTHORIZED WHEN GLIDE SLOPE NOT AVAILABLE. DUAL VHF COMM REQUIRED. SEE ADDITIONAL REQUIREMENTS ON AAUP.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PLANVIEW AND PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT AND TRACK GLIDEPATH.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1000	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: **HARTSFIELD - JACKSON ATLANTA INTL**	**I-OMO**	**ILS PRM RWY 10, AMDT 2** **ILS RWY 10 (CAT II) , ILS RWY 10 (CAT III)** 5 MAY 2011	AMDT: **1A** DATED: **10/25/2007**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TERII INT/ATL 25.86 DME/RADAR (IAF)	ANIEE/I-PKU 13.98 DME/RADAR	348.00 / 8.87 (HDG) & 273.98 / 8.87 (I-PKU)	4000
DACTL/I-PKU 20.79 DME/RADAR (IAF)	ANIEE/I-PKU 13.98 DME/RADAR	273.98 / 6.81 (I-PKU)	4000
ANIEE/I-PKU 13.98 DME/RADAR (IF)	FOGER/I-PKU 10.93 DME/RADAR	273.98 / 3.05 (I-PKU)	4000*
FOGER/I-PKU 10.93 DME/RADAR	JUBBA/I-PKU 6.83 DME/RADAR	273.98 / 4.10 (I-PKU)	2700

MISSED APPROACH

ILS: DA

CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 ON ATL VORTAC R-180 TO SCARR INT/ATL 15.00 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 160 AND ON PDK VOR/DME R-195 TO SCARR INT/PDK 30.54 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 360.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S SCARR INT/PDK 30.54 DME, RT, 014.96 INBOUND.
CHART: LOC RWY 27L, 27R, 26L, AND 26R.
CHART (KNDBM) AT INTERSECTION OF TERII DR LEG AND INTERMEDIATE COURSE.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT DACTL
3. FAC: 273.98 FAF: JUBBA/I-PKU 6.83 DME/RADAR DIST FAF TO MAP: 5.17 THLD: 5.17
4. MIN. ALT: DACTL 4000, ANIEE 4000, FOGER 4000*, JUBBA 2700
5. DIST TO THLD FROM OM: 5.17 MM: - IM: 860 150 HAT: 1818 100 HAT: 864 GS ANT: 1100
6. MIN GS INCPT: 2700 GS ALT AT: JUBBA 2700 OM: - MM: - IM: 1098
7. GS ANGLE: 3.00 TCH: 55.2
8. MSA FROM: ATL VORTAC 3100

MAG VAR: 4W EPOCH YEAR: 2010

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 28	1198	1800	200	1198	1800	200	1198	1800	200	1198	1800	200			

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 28: CAT A, B, C, D, RA 124, RVR 1200, HATh 100, DA 1098 MSL.
CHART NOTE: SIMULTANEOUS CLOSE PARALLEL APPROACH AUTHORIZED WITH ILS PRM RUNWAY 27R OR 27L AND 26L OR 26R. PROCEDURE NOT AUTHORIZED WHEN GLIDE SLOPE NOT AVAILABLE. DUAL VHF COMM REQUIRED. SEE (SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 998 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	HARTSFIELD - JACKSON ATLANTA INTL	I-PKU	ILS PRM RWY 28, AMDT 2 ILS RWY 28 (CAT II) (SIMULTANEOUS CLOSE PARALLEL)	AMDT: 1A DATED 10/25/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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

NOTES, (CONT.):
ADDITIONAL REQUIREMENTS ON AAUP.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PLANVIEW AND PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT AND TRACK GLIDEPATH.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 998	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: HARTSFIELD - JACKSON ATLANTA INTL	I-PKU	ILS PRM RWY 28, AMDT 2 ILS RWY 28 (CAT II) (SIMULTANEOUS CLOSE PARALLEL) 05 MAY 2011	AMDT: 1A DATED: 10/25/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
YINNZ (IAF)	POOBA (FB)	033.84 / 8.90	4000
POOBA (IAF)	PENCL (FB)	091.76 / 6.28	4000
PENCL (IF)	ZMANN (FB)	091.84 / 2.99	4000
ZMANN	DAELE (FB)	091.87 / 4.10	2700
DAELE (FAF)	WOMTO/2.50 NM TO RW10 (FB)	091.91 / 2.66	
WOMTO/2.50 NM TO RW10	RW10 (MAP) (FO)	091.94 / 2.50	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW10

CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT SCARR AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 002.00 INBOUND.
CHART FAS OBST: 1186 TANK 333739N/0842803W
CHART FAS OBST: 1219 TOWER 333747N/0842909W
DISTANCE TO THLD FROM 200 HATH: 0.45 NM.
CHART VDP AT 1.32 MILES TO RW10*
*LNAV ONLY.
WAAS CHANNEL # 40399
REFERENCE PATH ID: W10A
LTP HAE: 275.5 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT POOBA
3. FAC: 091.91 FAF: DAELE DIST FAF TO MAP: 5.16 THLD: 5.16
4. MIN. ALT: POOBA 4000, PENCL 4000, ZMANN 4000, DAELE 2700, WOMTO/2.50 NM TO RW10 1840*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: DAELE 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.8 34:1 IS CLEAR
8. MSA FROM: RW10 3100

MAG VAR: 2W EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1200	2400	200	1200	2400	200	1200	2400	200	1200	2400	200			
LNAV/VNAV DA	1540	1 3/8	540	1540	1 3/8	540	1540	1 3/8	540	1540	1 3/8	540			
LNAV MDA	1480	2400	480	1480	2400	480	1480	5000	480	1480	5000	480			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 37C (98F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C AND D VISIBILITY 3/8 MILE.

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1000 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	HARTSFIELD - JACKSON ATLANTA INTL	RNAV	RNAV (GPS) Y RWY 10, AMDT 2 5 MAY 2011	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.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW10 (MAP)	1600 MSL	091.94	1600
1600 MSL	SCARR (FO)		3000

QUALITY 3 CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1000	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: HARTSFIELD - JACKSON ATLANTA INTL	RNAV	RNAV (GPS) Y RWY 10, AMDT 2 5 MAY 2011	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	KATL
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	333712.9830N
LTP/FTP LONGITUDE	0842652.3560W
LTP/FTP ELLIPSOIDAL HEIGHT	+02755
FPAP LATITUDE	333713.0100N
FPAP LONGITUDE	0842505.6600W
THRESHOLD CROSSING HEIGHT (TCH)	00057.8
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	61398590

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+03049
FPAP ORTHOMETRIC HEIGHT	+03049

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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   DAELE K70    C     N33371266W084330279                      W0044     NAR           DAELE
        SUSAEAENRT   PENCL K70    C     N33371173W084413216                      W0043     NAR           PENCL
        SUSAEAENRT   POOBA K70    C     N33371041W084490342                      W0043     NAR           POOBA
        SUSAEAENRT   SCARR K70    C   L N33224310W084260625                      W0045     NAR           SCARR
        SUSAEAENRT   WOMTO K70    W     N33371287W084295198                      W0045     NAR           WOMTO
        SUSAEAENRT   YINNZ K70    C     N33293627W084544065                      W0042     NAR           YINNZ
        SUSAEAENRT   ZMANN K70    C     N33371219W084375769                      W0044     NAR           ZMANN

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KATLK7AATL     0     118YHN33381219W084254104W002001026         18000018000C    MNAR    HARTSFIELD - JACKSON ATLANTA I

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KATLK7FR10-Y APOOBA 010POOBAK7EA0E  A    IF                                  + 04000     18000                A JS
        SUSAP KATLK7FR10-Y APOOBA 020PENCLK7EA0EE B 010TF                       09180063    + 04000                          A JS
        SUSAP KATLK7FR10-Y AYINNZ 010YINNZK7EA0E  A    IF                                                  18000            A JS
        SUSAP KATLK7FR10-Y AYINNZ 020POOBAK7EA0E    010TF                       03380089    + 04000                          A JS
        SUSAP KATLK7FR10-Y AYINNZ 030PENCLK7EA0EE B 010TF                       09180063    + 04000                          A JS
        SUSAP KATLK7FR10-Y R      010PENCLK7EA0E  I    IF                                  + 04000     18000                A JS
        SUSAP KATLK7FR10-Y R      011ZMANNK7EA0E S  051TF                       09180030    + 04000                          A JS
        SUSAP KATLK7FR10-Y R      020DAELEK7EA1E  F 051TF                       09190041    + 02700                RW10  K7PGA JS
        SUSAP KATLK7FR10-Y R      020DAELEK7EA2WALPV       ALNAV/VNAV ALNAV                                                  JS
        SUSAP KATLK7FR10-Y R      021WOMTOK7EA0E S  031TF                       09190027    V 0184001854      -300            A JS
        SUSAP KATLK7FR10-Y R      030RW10 K7PG0GY M 031TF                       09190025      01058           -300            A JS
        SUSAP KATLK7FR10-Y R      040         0  M     CA                       0919        + 01600                          A JS
        SUSAP KATLK7FR10-Y R      050SCARRK7EA0EY  R   DF                                  + 03000                          A JS
        SUSAP KATLK7FR10-Y R      060SCARRK7EA0EE  R   HM                       00200040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KATLK7GRW10    0090000920 N33371298W084265236+0000    +02755010000000058150I
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QUALITY CHECKED 6

CITY AND STATE	ELEVATION: 1026 THRE: 1000	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: HARTSFIELD - JACKSON ATLANTA INTL	RNAV	RNAV (GPS) Y RWY 10, AMDT 2 5 MAY 2011	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.

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          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KATLK7PR10-Y RW10 001Y0000W10A0N3337129830W08426523560+027550300N3337130100W084250566001065000080005 78F40035061398590
    SUSAP KATLK7PR10-Y RW10 002E      +03049+03049LPV       40399

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KATLK7SRW10 K7PG              0   18018003125                                                                  M
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1000	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: HARTSFIELD - JACKSON ATLANTA INTL	RNAV	RNAV (GPS) Y RWY 10, AMDT 2 5 MAY 2011	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 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
TERII (IAF)	DACTL (FB)	335.94 / 9.57	4000
DACTL (IAF)	ANIEE (FB)	272.19 / 6.81	4000
ANIEE (IF)	FOGER (FB)	272.12 / 3.05	4000
FOGER	JUBBA (FB)	272.08 / 4.10	2700
JUBBA (FAF)	RW28 (MAP) (FO)	272.04	
RW28 (MAP)	1600 MSL		1600
1600 MSL	SCARR (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW28

CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 3000 DIRECT SCARR AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT DACTL
3. FAC: 272.04 FAF: JUBBA DIST FAF TO MAP: 5.17 THLD: 5.17
4. MIN. ALT: DACTL 4000, ANIEE 4000, FOGER 4000, JUBBA 2700
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: JUBBA 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.2 34:1 IS CLEAR
8. MSA FROM: RW28 3100

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 002.00 INBOUND.
CHART FAS OBST: 1089 ANT 333733N/0842506W
CHART FAS OBST: 1174 TOWER 333641N/0842332W
DISTANCE TO THLD FROM 200 HATH: 0.46 NM.
CHART VDP AT 1.22 MILES TO RW28*
*LNAV ONLY.
WAAS CHANNEL # 61299
REFERENCE PATH ID: W28A
LTP HAE: 274.6 M

MAG VAR: 2W EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1198	2400	200	1198	2400	200	1198	2400	200	1198	2400	200			
LNAV/VNAV DA	1250	2400	252	1250	2400	252	1250	2400	252	1250	2400	252			
LNAV MDA	1440	2400	442	1440	2400	442	1440	4500	442	1440	4500	442			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 37C (98F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED
CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 3/4 MILE, LNAV CAT C/D TO 1 3/8.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 998 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	HARTSFIELD - JACKSON ATLANTA INTL	RNAV	RNAV (GPS) Y RWY 28, AMDT 2 5 MAY 2011	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	KATL
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	333713.0155N
LTP/FTP LONGITUDE	0842505.9365W
LTP/FTP ELLIPSOIDAL HEIGHT	+02746
FPAP LATITUDE	333712.9800N
FPAP LONGITUDE	0842652.6400W
THRESHOLD CROSSING HEIGHT (TCH)	00055.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	2DC48EB1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+03040
FPAP ORTHOMETRIC HEIGHT	+03040

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 998	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: HARTSFIELD - JACKSON ATLANTA INTL	RNAV	RNAV (GPS) Y RWY 28, AMDT 2 5 MAY 2011	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   ANIEE K70    C     N33371240W084102070                      W0047     NAR           ANIEE
        SUSAEAENRT   DACTL K70    C     N33371130W084021127                      W0048     NAR           DACTL
        SUSAEAENRT   FOGER K70    C     N33371272W084135989                      W0047     NAR           FOGER
        SUSAEAENRT   JUBBA K70    C     N33371297W084185429                      W0046     NAR           JUBBA
        SUSAEAENRT   SCARR K70    C   L N33224310W084260625                      W0045     NAR           SCARR
        SUSAEAENRT   TERII K70    C     N33283486W083570934                      W0049     NAR           TERII

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KATLK7AATL     0     118YHN33381219W084254104W002001026         1800018000C    MNAR    HARTSFIELD - JACKSON ATLANTA I

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KATLK7FR28-Y ADACTL 010DACTLK7EA0E  A    IF                                + 04000     18000                A JS
        SUSAP KATLK7FR28-Y ADACTL 020ANIEEK7EA0EE B 010TF                     27220068    + 04000                          A JS
        SUSAP KATLK7FR28-Y ATERII 010TERIIK7EA0E  A    IF                                                     18000      A JS
        SUSAP KATLK7FR28-Y ATERII 020DACTLK7EA0E    010TF                     33590096    + 04000                          A JS
        SUSAP KATLK7FR28-Y ATERII 030ANIEEK7EA0EE B 010TF                     27220068    + 04000                          A JS
        SUSAP KATLK7FR28-Y R      010ANIEEK7EA0E  I    IF                                + 04000     18000                A JS
        SUSAP KATLK7FR28-Y R      011FOGERK7EA0E S  051TF                     27210031    + 04000                          A JS
        SUSAP KATLK7FR28-Y R      020JUBBAK7EA1E  F 051TF                     27210041    + 02700                RW28  K7PGA JS
        SUSAP KATLK7FR28-Y R      020JUBBAK7EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KATLK7FR28-Y R      030RW28 K7PG0GY M 031TF                     27200052      01053          -300           A JS
        SUSAP KATLK7FR28-Y R      040          0  M     CA                     2720        + 01600                          A JS
        SUSAP KATLK7FR28-Y R      050SCARRK7EA0EY  L   DF                                + 03000                          A JS
        SUSAP KATLK7FR28-Y R      060SCARRK7EA0EE  R   HM                     00200040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KATLK7GRW28    0090002720 N33371302W084250594+0000     +0274600998000055150I
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 998	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: HARTSFIELD - JACKSON ATLANTA INTL	RNAV	RNAV (GPS) Y RWY 28, AMDT 2 5 MAY 2011	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  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KATLK7PR28-Y RW28 001Y0000W28A0N3337130155W08425059365+027460300N3337129800W084265264001067500080005 52F4003502DC48EB1
    SUSAP KATLK7PR28-Y RW28 002E      +03040+03040LPV       61299

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KATLK7SRW28 K7PG              0   18018003125                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 998	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: HARTSFIELD - JACKSON ATLANTA INTL	RNAV	RNAV (GPS) Y RWY 28, AMDT 2 5 MAY 2011	AMDT: 1
				DATED: 05/10/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
YINNZ (IAF)	POOBA (TF) (FB) (RNP 0.50)	033.84 / 8.90	4000
POOBA (IF)	PENCL (TF) (FB) (RNP 0.50)	091.76 / 6.28	4000
PENCL	ZMANN (TF) (FB) (RNP 0.50)	091.84 / 2.99	4000
ZMANN	DAELE (TF) (FB) (RNP 0.50)	091.87 / 4.10	2700
DAELE (FAF)	RW10 (MAP) (TF) (FO)	091.91 / 5.16	
(SEE FORM 8260-10)			

MISSED APPROACH

MAP: DA

CLIMB TO 3000 ON TRACK 091.96 TO JODYY RIGHT TURN TO ROOHH AND ON TRACK 232.78 TO SCARR AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 002.00 INBOUND.
CHART FAS OBST: 1086 TREE 333720N/0842739W
CHART FAS OBST: 1186 TANK 333739N/0842803W
DISTANCE TO THLD FROM 327 HATH: 0.84 NM.
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 1058.1 MSL (DO NOT CHART)
ROUTE TYPE: A, R

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT POOBA
3. FAC: 091.91 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: POOBA 4000, PENCL 4000, ZMANN 4000, DAELE 2700
5. DIST TO THLD FROM OM: 5.16 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: DAELE 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.8# 34:1 IS CLEAR
8. MSA FROM: RW10 3100

MAG VAR: 2W EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.11 DA	1327	3200	327	1327	3200	327	1327	3200	327	1327	3200	327			
RNP 0.15 DA	1408	4500	408	1408	4500	408	1408	4500	408	1408	4500	408			
RNP 0.3 DA	1515	6000	515	1515	6000	515	1515	6000	515	1515	6000	515			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -8C (16F) OR ABOVE 46C (116F).
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 5000, RNP 0.15 ALL CATS VISIBILITY TO 1 3/8, RNP 0.30 ALL CATS VISIBILITY TO 1 3/4 MILE.
CHART NOTE: RF REQUIRED.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1000 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	HARTSFIELD - JACKSON ATLANTA INTL	RNAV	RNAV (RNP) Z RWY 10, AMDT 1 5 MAY 2011	AMDT: ORIG-A DATED 09/24/2009

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW10 (MAP)	JODYY (TF) (FB) (RNP 1.00)	091.96/6.02	
JODYY	ROOHH (RF) (FB) (RNP 1.00)	(4.39 NM RADIUS CW (DNCBD)) / 10.79	
ROOHH	SCARR (TF) (FO) (RNP 1.00)	232.78 / 10.56	3000

NOTES, (CONT.):
CHART NOTE: GPS REQUIRED.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PLANVIEW NOTE AT YINNZ: (RNP 0.50).

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1000	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: HARTSFIELD - JACKSON ATLANTA INTL	RNAV	RNAV (RNP) Z RWY 10, AMDT 1 5 MAY 2011	AMDT: ORIG-A DATED: 09/24/2009

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

ARINC PACKET - 424-18 - RNAV (RNP)

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          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   DAELE K70    C     N33371266W084330279                    W0044     NAR          DAELE
          SUSAEAENRT   DNCBD K70    W     N33324906W084193958                    W0046     NAR          CNF(DNCBD)
          SUSAEAENRT   JODYY K70    W     N33371295W084193978                    W0046     NAR          JODYY
          SUSAEAENRT   PENCL K70    C     N33371173W084413216                    W0043     NAR          PENCL
          SUSAEAENRT   POOBA K70    C     N33371041W084490342                    W0043     NAR          POOBA
          SUSAEAENRT   ROOHH K70    W     N33292466W084162032                    W0046     NAR          ROOHH
          SUSAEAENRT   SCARR K70    C   L N33224310W084260625                    W0045     NAR          SCARR
          SUSAEAENRT   YINNZ K70    C     N33293627W084544065                    W0042     NAR          YINNZ
          SUSAEAENRT   ZMANN K70    C     N33371219W084375769                    W0044     NAR          ZMANN

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KATLK7AATL     0     118YHN33381219W084254104W002001026          1800018000C    MNAR    HARTSFIELD - JACKSON ATLANTA I

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KATLK7FR10-Z AYINNZ 010YINNZK7EA0E  A    IF                                          18000                A PS
          SUSAP KATLK7FR10-Z AYINNZ 020POOBAK7EA0EE B 051TF                    03380089    + 04000                      A PS
          SUSAP KATLK7FR10-Z R      010POOBAK7EA0E  I    IF                               + 04000     18000           A PS
          SUSAP KATLK7FR10-Z R      011PENCLK7EA0E S  051TF                    09180063    + 04000                      A PS
          SUSAP KATLK7FR10-Z R      012ZMANNK7EA0E S  051TF                    09180030    + 04000                      A PS
          SUSAP KATLK7FR10-Z R      020DAELEK7EA1E  F 051TF                    09190041    + 02700                RW10  K7PGA PS
          SUSAP KATLK7FR10-Z R      020DAELEK7EA2W                                     A031A152A112                     PS
          SUSAP KATLK7FR10-Z R      030RW10 K7PG0GY M 031TF                    09190052      01058          -300       A PS
          SUSAP KATLK7FR10-Z R      040JODYYK7EA0E M  010TF                    09200060                                 A PS
          SUSAP KATLK7FR10-Z R      050ROOHHK7EA0E   R010RF       0043900920  23280108                          DNCBD K7EAA PS
          SUSAP KATLK7FR10-Z R      060SCARRK7EA0EY   010TF                    23280106    + 03000                      A PS
          SUSAP KATLK7FR10-Z R      070SCARRK7EA0EE  R   HM                    00200040    + 03000                      A PS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KATLK7GRW10    0090000920 N33371298W084265236+0000    +027550100000005815OIIOMO3

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KATLK7SRW10 K7PG              0   18018003125                                                                M
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1000	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: **HARTSFIELD - JACKSON ATLANTA INTL**	**RNAV**	**RNAV (RNP) Z RWY 10, AMDT 1** 5 MAY 2011	AMDT: **ORIG-A**
				DATED: **09/24/2009**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	YINNZ	YINNZ	010	IAF	IF		FB					
	YINNZ	POOBA	020		TF		FB	0.5	033.8(031.8T)	008.9	AA 04000	
		POOBA	010	FACF	IF		FB				AA 04000	
		PENCL	011	SDF	TF		FB	0.5	091.8(089.8T)	006.3	AA 04000	
		ZMANN	012	SDF	TF		FB	0.5	091.8(089.8T)	003.0	AA 04000	
		DAELE	020	FAF	TF		FB	0.5	091.9(089.9T)	004.1	AA 02700	
		RW10	030	MAP	TF		FO	0.3	091.9(089.9T)	005.2	AT 01058	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	JODYY	040		TF		FB	1.0	092.0(090.0T)	006.0		
	ROOHH	050		RF	R	FB	1.0		010.8		
	SCARR	060		TF		FO	1.0	232.8(230.8T)	010.6	AA 03000	
	SCARR	070		HM	R	FO		002.0(360.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DAELE	N333712.66	W0843302.79	N3337.211	W08433.047
	DNCBD	N333249.06	W0841939.58	N3332.818	W08419.660
	JODYY	N333712.95	W0841939.78	N3337.216	W08419.663
	PENCL	N333711.73	W0844132.16	N3337.196	W08441.536
	POOBA	N333710.41	W0844903.42	N3337.174	W08449.057
	ROOHH	N332924.66	W0841620.32	N3329.411	W08416.339
	SCARR	N332243.10	W0842606.25	N3322.718	W08426.104
	YINNZ	N332936.27	W0845440.65	N3329.605	W08454.678
	ZMANN	N333712.19	W0843757.69	N3337.203	W08437.962
	RW10	N333712.98	W0842652.36	N3337.216	W08426.873

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	01000	58

QUALITY CHECKED

CITY AND STATE	ELEVATION: **1026** THRE: **1000**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: **HARTSFIELD - JACKSON ATLANTA INTL**	**RNAV**	**RNAV (RNP) Z RWY 10, AMDT 1** 5 MAY 2011	AMDT: **ORIG-A**
				DATED: **09/24/2009**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TERII (IAF)	DACTL (TF) (FB) (RNP 0.50)	335.94 / 9.57	4000
DACTL (IF)	ANIEE (TF) (FB) (RNP 0.50)	272.19 / 6.81	4000
ANIEE	FOGER (TF) (FB) (RNP 0.50)	272.12 / 3.05	4000
FOGER	JUBBA (TF) (FB) (RNP 0.50)	272.08 / 4.10	2700
JUBBA (FAF)	RW28 (MAP) (TF) (FO)	272.04 / 5.17	
(SEE FORM 8260-10)			

MISSED APPROACH

MAP: DA

CLIMB TO 3000 ON TRACK 271.99 TO LYNNN LEFT TURN TO JOYAL AND ON TRACK 129.66 TO SCARR AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 002.00 INBOUND.
CHART FAS OBST: 1035 TREE 333722N/0842435W
CHART FAS OBST: 1040 TOWER 333717N/0842416W
DISTANCE TO THLD FROM 264 HATH: 0.66 NM.
ROUTE TYPE: A,R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 1052.7 MSL (DO NOT CHART)

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT DACTL
3. FAC: 272.04 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: DACTL 4000, ANIEE 4000, FOGER 4000, JUBBA 2700
5. DIST TO THLD FROM OM: 5.17 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: JUBBA 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.2# 34:1 IS CLEAR
8. MSA FROM: RW28 3100

MAG VAR: 2W EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.11 DA	1262	2400	264	1262	2400	264	1262	2400	264	1262	2400	264			
RNP 0.15 DA	1269	2400	271	1269	2400	271	1269	2400	271	1339	2400	271			
RNP 0.3 DA	1339	3000	341	1339	3000	341	1339	3000	341	1339	3000	341			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -8C (17F) OR ABOVE 46C (116F).
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.11 AND RNP 0.15 ALL CATS VISIBILITY TO RVR 5500, RNP 0.30 ALL CATS VISIBILITY TO RVR 6000.
CHART NOTE: RF REQUIRED.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 998 AIRPORT NAME:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	HARTSFIELD - JACKSON ATLANTA INTL		RNAV (RNP) Z RWY 28, AMDT 1 5 MAY 2011	AMDT: ORIG-A DATED 09/24/2009

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW28 (MAP)	LYNNN (TF) (FB) (RNP 1.00)	271.99/6.65	
LYNNN	JOYAL (RF) (FB) (RNP 1.00)	(4.40 NM RADIUS CCW (KNDCM)) / 10.93	
JOYAL	SCARR (TF) (FO) (RNP 1.00)	129.66/10.76	3000

NOTES, (CONT.):
CHART NOTE: GPS REQUIRED.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PLANVIEW NOTE AT TERII: (RNP 0.50).

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 TDZE: 998	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: HARTSFIELD - JACKSON ATLANTA INTL	RNAV	RNAV (RNP) Z RWY 28, AMDT 1 5 MAY 2011	AMDT: ORIG-A
				DATED: 09/24/2009

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   ANIEE K70    C     N33371240W084102070                    W0047     NAR          ANIEE
          SUSAEAENRT   DACTL K70    C     N33371130W084021127                    W0048     NAR          DACTL
          SUSAEAENRT   FOGER K70    C     N33371272W084135989                    W0047     NAR          FOGER
          SUSAEAENRT   JOYAL K70    W     N33291880W084361666                    W0044     NAR          JOYAL
          SUSAEAENRT   JUBBA K70    C     N33371297W084185429                    W0046     NAR          JUBBA
          SUSAEAENRT   KNDCM K70    W     N33324813W084330366                    W0044     NAR          CNF(KNDCM)
          SUSAEAENRT   LYNNN K70    W     N33371262W084330374                    W0044     NAR          LYNNN
          SUSAEAENRT   SCARR K70    C   L N33224310W084260625                    W0045     NAR          SCARR
          SUSAEAENRT   TERII K70    C     N33283486W083570934                    W0049     NAR          TERII

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KATLK7AATL     0     118YHN33381219W084254104W002001026          1800018000C    MNAR     HARTSFIELD - JACKSON ATLANTA I

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KATLK7FR28-Z ATERII 010TERIIK7EA0E  A    IF                                          18000                A PS
          SUSAP KATLK7FR28-Z ATERII 020DACTLK7EA0EE B 051TF                    33590096    + 04000                      A PS
          SUSAP KATLK7FR28-Z R      010DACTLK7EA0E  I    IF                               + 04000     18000           A PS
          SUSAP KATLK7FR28-Z R      011ANIEEK7EA0E S  051TF                    27220068    + 04000                      A PS
          SUSAP KATLK7FR28-Z R      012FOGERK7EA0E S  051TF                    27210031    + 04000                      A PS
          SUSAP KATLK7FR28-Z R      020JUBBAK7EA1E  F 051TF                    27210041    + 02700                RW28  K7PGA PS
          SUSAP KATLK7FR28-Z R      020JUBBAK7EA2W                                      A031A152A112                     PS
          SUSAP KATLK7FR28-Z R      030RW28 K7PG0GY M 031TF                    27200052      01053          -300        A PS
          SUSAP KATLK7FR28-Z R      040LYNNNK7EA0E M  010TF                    27200067                               A PS
          SUSAP KATLK7FR28-Z R      050JOYALK7EA0E   L010RF       0044002720   12970109                     KNDCM K7EAA PS
          SUSAP KATLK7FR28-Z R      060SCARRK7EA0EY   010TF                    12970108    + 03000                      A PS
          SUSAP KATLK7FR28-Z R      070SCARRK7EA0EE  R   HM                    00200040    + 03000                      A PS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KATLK7GRW28    0090002720 N33371302W084250594+0000    +027460099800005515OIIPKU2

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KATLK7SRW28 K7PG              0   18018003125                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 998	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: HARTSFIELD - JACKSON ATLANTA INTL	RNAV	RNAV (RNP) Z RWY 28, AMDT 1 5 MAY 2011	AMDT: ORIG-A DATED: 09/24/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	TERII	TERII	010	IAF	IF		FB					
	TERII	DACTL	020		TF		FB	0.5	335.9(333.9T)	009.6	AA 04000	
		DACTL	010	FACF	IF		FB				AA 04000	
		ANIEE	011	SDF	TF		FB	0.5	272.2(270.2T)	006.8	AA 04000	
		FOGER	012	SDF	TF		FB	0.5	272.1(270.1T)	003.1	AA 04000	
		JUBBA	020	FAF	TF		FB	0.5	272.1(270.1T)	004.1	AA 02700	
		RW28	030	MAP	TF		FO	0.3	272.0(270.0T)	005.2	AT 01053	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	LYNNN	040		TF		FB	1.0	272.0(270.0T)	006.7		
	JOYAL	050		RF	L	FB	1.0		010.9		
	SCARR	060		TF		FO	1.0	129.7(127.7T)	010.8	AA 03000	
	SCARR	070		HM	R	FO		002.0(360.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANIEE	N333712.40	W0841020.70	N3337.207	W08410.345
	DACTL	N333711.30	W0840211.27	N3337.188	W08402.188
	FOGER	N333712.72	W0841359.89	N3337.212	W08413.998
	JOYAL	N332918.80	W0843616.66	N3329.313	W08436.278
	JUBBA	N333712.97	W0841854.29	N3337.216	W08418.905
	KNDCM	N333248.13	W0843303.66	N3332.802	W08433.061
	LYNNN	N333712.62	W0843303.74	N3337.210	W08433.062
	SCARR	N332243.10	W0842606.25	N3322.718	W08426.104
	TERII	N332834.86	W0835709.34	N3328.581	W08357.156
	RW28	N333713.02	W0842505.94	N3337.217	W08425.099

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00998	55

QUALITY CHECKED

CITY AND STATE	ELEVATION: **1026** THRE: **998**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTA, GA	AIRPORT NAME: **HARTSFIELD - JACKSON ATLANTA INTL**	**RNAV**	**RNAV (RNP) Z RWY 28, AMDT 1** 5 MAY 2011	AMDT: **ORIG-A**
				DATED: **09/24/2009**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PDK VOR/DME	GWNET LOM	070.23 / 23.42	3000
CONLY INT	GWNET LOM	260.53 / 9.48	3100
WOMAC INT	GWNET LOM	167.06 / 6.95	3700

MISSED APPROACH

MAP: 5.07 MILES AFTER GWNET LOM

CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 3000 DIRECT GWNET LOM AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 248.24 INBOUND.
FAS OBST: 1380 AAO 335906N/0835312W
CHART 2654 TOWER 340732N/0835132W.
CHART MAXIMUM 6000 AT GWNET LOM
GWNET LOM TO RW25: 3.01/48

1. PT R SIDE OF COURSE 068.24 OUTBOUND 3000 FT WITHIN 10 MILES OF GWNET LOM (IAF)
2.
3. FAC 248.24 FAF GWNET LOM DIST FAF TO MAP 5.07 THLD 5.07
4. MIN. ALT GWNET LOM 2700
8. MSA FROM: TX LOM 3700

MAG VAR: 5W EPOCH YEAR: 2010

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-25	1680	3/4	649	1680	3/4	649	1680	1 3/8	649	1680	1 3/8	649			
CIRCLING	1680	1	618	1680	1	618	1680	1 7/8	618	1700	2	638			

NOTES:

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-25 CAT D VISIBILITY TO 1 7/8 MILES.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WINDER ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE S-25 AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN VGSI INOP, CIRCLING TO RWY 7 NA AT NIGHT.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 1062 THRE: 1031 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP NDB OR GPS RWY 25
LAWRENCEVILLE, GA	GWINNETT COUNTY - BRISCOE FIELD	TX	NDB RWY 25, AMDT 1 5 MAY 2011	AMDT ORIG-C
				DATE 12/10/1992

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
PDK VOR/DME (IAF)	TIKUC/PDK 7.00 DME	072.00 / 7.00	3000
JOXUV/7.00 DME CW (IAF)	TIKUC/PDK 7.00 DME	7.00 DME ARC	3000
JOXRE/7.00 DME CCW (IAF)	TIKUC/PDK 7.00 DME	7.00 DME ARC	3200
TIKUC/PDK 7.00 DME (IF)	OWENF/PDK 13.00 DME	072.02 / 6.00 (PDK R-072)	2700

MISSED APPROACH

MAP: PDK 17.39 DME FIX

CLIMB TO 3700 ON PDK VOR/DME R-070 TO GWNET/PDK 23.42 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3700.

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 250.34 INBOUND.
CHART FAS OBST: 1399 TOWER 335639N/0835740W
CHART PDK R-341 AT JOXUV.
CHART PDK R-161 AT JOXRE.
OWENF TO RW07: 3.40/55.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT TIKUC/PDK 7.00 DME
3. FAC 072.02 FAF OWENF/PDK 13.00 DME DIST FAF TO MAP ____ THLD 4.39
4. MIN. ALT TIKUC 3000, OWENF 2700
8. MSA FROM: PDK VOR/DME 3700

MAG VAR: 2W EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-7	1660	1	599	1660	1	599	1660	1 3/4	599	1660	1 3/4	599			
CIRCLING	1660	1	598	1660	1	598	1660	1 3/4	598	1700	2	638			

NOTES:

CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING TO RWY 7 NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 1062 THRE: 1061 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP / AMDT / DATE
LAWRENCEVILLE, GA	GWINNETT COUNTY - BRISCOE FIELD	PDK	VOR/DME RWY 7, AMDT 2 5 MAY 2011	SUP VOR/DME OR GPS RWY 7 AMDT 1B DATE 04/04/1991

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FOBES/MCN 12.00 DME CW (IAF)	MOBSE INT/I-MAC 11.99 DME	12.00 DME ARC (MCN LR-312)	2100
MOBSE INT/I-MAC 11.99 DME (IF)	CROAM INT/I-MAC 5.85 DME	101.54 / 6.14 (I-MAC)	2100

MISSED APPROACH

MAP: 5.11 MILES AFTER CROAM INT/MAC 5.85 DME OR AT UZNOM/I-MAC 0.74 DME FIX

CLIMBING LEFT TURN TO 2200 ON MCN VORTAC R-028 TO MURVE INT/MCN 17.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 208.00 INBOUND.
CHART FAS OBST: 710 TOWER 325010N/0833758W
CHART 1082 TOWER 325044N/0834028W.
CHART: LOC/AZIMUTH OFFSET 2.53 DEGREES.
CHART MCN R-300 AT FOBES.
CROAM TO RW10: 3.04/41.
FAC CROSSES RWY C/L EXTENDED 2901 FROM THLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT MOBSE
3. FAC 101.54 FAF CROAM INT/I-MAC 5.85 DME DIST FAF TO MAP 5.11 THLD 5.11
4. MIN. ALT MOBSE 2100, CROAM 2100
8. MSA FROM: MCN VORTAC 2600

MAG VAR: 3W EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-10	1060	1	651	1060	1	651	1060	1 7/8	651	1060	1 7/8	651			
CIRCLING	1200	1	763	1200	1	763	1200	2 1/4	763	1320	3	883			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: DME REQUIRED.
CHART NOTE: USE MIDDLE GEORGIA RGNL ALTIMETER SETTING; WHEN NOT RECEIVED, USE ROBINS AFB ALTIMETER SETTING AND INCREASE ALL MDAS 20 FEET.
CHART NOTE: WHEN VGSI INOP PROCEDURE NA AT NIGHT.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 437 THRE: 409 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MACON, GA	MACON DOWNTOWN	I-MAC	LOC RWY 10, AMDT 7 5 MAY 2011	AMDT 6A DATE 01/17/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
OTVEZ (IAF)	HAVIM (NOPT) (FB)	038.85 / 12.62	2200
HAVIM (IF/IAF)	KODRE (FB)	098.89 / 6.02	2100
KODRE (FAF)	DOBCE/2.80 NM TO RW10 (FB)	098.95 / 2.38	
DOBCE/2.80 NM TO RW10	RW10 (MAP) (FO)	098.98 / 2.80	
RW10 (MAP)	760 MSL	098.98	
760 MSL	HONKA (FB)		
HONKA	RIPPI (FO)	055.36 / 8.92	3000

MISSED APPROACH

LP: RW10
LNAV: RW10

CLIMB TO 3000 DIRECT HONKA AND ON TRACK 055.36 TO RIPPI AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 313.65 INBOUND.
CHART FAS OBST: 589 TREE 324958N/0833422W
CHART FAS OBST: 467 TREE 324917N/0833418W
CHART 1082 TOWER 325044N/0834028W.
CHART 642 TOWER 324916N/0833733W.
WAAS CHANNEL # 56421
REFERENCE PATH ID: W10A
KODRE TO RW10: 3.00/41.
LTP HAE: 97.5 M

1. PT ____ SIDE OF COURSE OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W HAVIM, RT, 098.89 INBOUND, 2200 FT. IN LIEU OF PT (IAF)
3. FAC: 098.95 FAF: KODRE DIST FAF TO MAP: 5.18 THLD: 5.18
4. MIN. ALT: HAVIM 2200, KODRE 2100, DOBCE/2.80 NM TO RW10 1340
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW10 2600

MAG VAR: 3W EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY ====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	760	1	351	760	1	351	760	1	351	760	1	351			
LNAV MDA	880	1	471	880	1	471	880	1 3/8	471	880	1 3/8	471			
CIRCLING	1200	1	763	1200	1	763	1200	2 1/4	763	1320	3	883			

NOTES:
CHART NOTE: USE MIDDLE GEORGIA RGNL ALTIMETER SETTING; WHEN NOT RECEIVED, USE ROBINS AFB ALTIMETER SETTING AND INCREASE ALL MDAS 20 FEET.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 437 THRE: 409	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MACON, GA	AIRPORT NAME: MACON DOWNTOWN	RNAV	RNAV (GPS) RWY 10, AMDT 1 5 MAY 2011	AMDT: ORIG
				DATED 12/20/2007

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

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OTVEZ ON V56 WESTBOUND.
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 437 THRE: 409	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MACON, GA	AIRPORT NAME: MACON DOWNTOWN	RNAV	RNAV (GPS) RWY 10, AMDT 1 5 MAY 2011	AMDT: ORIG DATED: 12/20/2007

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMAC
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	324922.7020N
LTP/FTP LONGITUDE	0833415.4455W
LTP/FTP ELLIPSOIDAL HEIGHT	+00975
FPAP LATITUDE	324913.3400N
FPAP LONGITUDE	0833230.3000W
THRESHOLD CROSSING HEIGHT (TCH)	00040.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1320
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	5998B8A0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01247
FPAP ORTHOMETRIC HEIGHT	+01247

QUALITY CHECKED

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DOBCE K70    W     N32494028W083373373                      W0049     NAR           DOBCE
        SUSAEAENRT   HAVIM K70    W     N32503250W083472869                      W0048     NAR           HAVIM
        SUSAEAENRT   HONKA K70    W     N32485300W083284292                      W0050     NAR           HONKA
        SUSAEAENRT   KODRE K70    W     N32495517W083402246                      W0048     NAR           KODRE
        SUSAEAENRT   OTVEZ K70    C   L N32401778W083561504                      W0046     NAR           OTVEZ
        SUSAEAENRT   RIPPI K70    C   L N32542025W083201952                      W0051     NAR           RIPPI

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMACK7AMAC     0     046YHN32491974W083334325W003000437         1800018000C    MNAR    MACON DOWNTOWN

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMACK7FR10   AHAVIM 010HAVIMK7EA0EE AR   HF                    09890040    + 02200     18000                A JS
        SUSAP KMACK7FR10   AOTVEZ 010OTVEZK7EA0E  A    IF                                        18000                A JS
        SUSAP KMACK7FR10   AOTVEZ 020HAVIMK7EA0EE B 010TF                     03890126    + 02200                          A JS
        SUSAP KMACK7FR10   R      010HAVIMK7EA0E  I    IF                               + 02200     18000                A JS
        SUSAP KMACK7FR10   R      020KODREK7EA1E  F 051TF                     09890060    + 02100                RW10  K7PGA JS
        SUSAP KMACK7FR10   R      020KODREK7EA2WALP       N          ALNAV                                                JS
        SUSAP KMACK7FR10   R      021DOBCEK7EA0E S  031TF                     09900024    V 0134001341       -300          A JS
        SUSAP KMACK7FR10   R      030RW10 K7PG0GY M 031TF                     09900028      00450            -300          A JS
        SUSAP KMACK7FR10   R      040         0  M     CA                     0990        + 00760                          A JS
        SUSAP KMACK7FR10   R      050HONKAK7EA0E       DF                                                                 A JS
        SUSAP KMACK7FR10   R      060RIPPIK7EA0EY   010TF                     0554        + 03000                          A JS
        SUSAP KMACK7FR10   R      070RIPPIK7EA0EE  L   HM                     31370040    + 03000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMACK7GRW10    0046940990 N32492270W083341545+0100    +009750040900004l100R
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CITY AND STATE	ELEVATION: 437 THRE: 409	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MACON, GA	AIRPORT NAME: MACON DOWNTOWN	RNAV	RNAV (GPS) RWY 10, AMDT 1 5 MAY 2011	AMDT: ORIG DATED: 12/20/2007

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                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMACK7PR10    RW10 001 0000W10A0N3249227020W08334154455+009750300N3249133400W083323030001067513200004O5F4000005998B8A0
        SUSAP KMACK7PR10    RW10 002E      +01247+01247LP        56421

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMACK7SRW10 K7PG              0    18018002625                                                                  M
```

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
CARYS (IAF)	JOBRA (NOPT) (FB)	349.78 / 10.10	2300
JOBRA (IF/IAF)	HONKA (FB)	279.13 / 6.06	1700
HONKA (FAF)	RW28 (MAP) (FO)	279.06 / 3.92	
RW28 (MAP)	837 MSL	279.06	
837 MSL	KODRE (FB)		
KODRE	FOBES (FO)	259.17 / 9.22	3000

MISSED APPROACH

LP: RW28
LNAV: RW28

CLIMB TO 3000 DIRECT KODRE AND ON TRACK 259.17 TO FOBES AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E JOBRA, RT, 276.13 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
3. FAC: 279.06 FAF: HONKA DIST FAF TO MAP: 3.92 THLD: 3.92
4. MIN. ALT: JOBRA 2300, HONKA 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 NOT CLEAR
8. MSA FROM: RW28 2600

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 120.00 INBOUND.
CHART FAS OBST: 557 TREE 324913N/0833222W
FAS OBST: 709 AAO 324833N/0832927W
OBST: 769 AAO 324827N/0832918W
WAAS CHANNEL # 86421
REFERENCE PATH ID: W28A
HONKA TO RW28: 3.00/39.
LTP HAE: 98.3 M

MAG VAR: 3W EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	840	1	428	840	1	428	840	1 1/4	428	840	1 1/4	428			
LNAV MDA	1000	1	588	1000	1	588	1000	1 3/4	588	1000	1 3/4	588			
CIRCLING	1200	1	763	1200	1	763	1200	2 1/4	763	1320	3	883			

NOTES:
CHART NOTE: USE MIDDLE GEORGIA RGNL ALTIMETER SETTING; WHEN NOT RECEIVED, USE ROBINS AFB ALTIMETER SETTING AND INCREASE ALL MDAS 20 FEET, AND LP CAT C AND D VISIBILITY 1/8 MILE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 437 THRE: 412	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MACON, GA	AIRPORT NAME: MACON DOWNTOWN	RNAV	RNAV (GPS) RWY 28, AMDT 1 5 MAY 2011	AMDT: ORIG
				DATED 12/20/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CARYS ON V154 EASTBOUND.
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 437 THRE: 412	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MACON, GA	AIRPORT NAME: **MACON DOWNTOWN**	**RNAV**	**RNAV (GPS) RWY 28, AMDT 1** 5 MAY 2011	AMDT: **ORIG**
				DATED: **12/20/2007**

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMAC
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	324917.8315N
LTP/FTP LONGITUDE	0833320.7395W
LTP/FTP ELLIPSOIDAL HEIGHT	+00983
FPAP LATITUDE	324927.1800N
FPAP LONGITUDE	0833505.8900W
THRESHOLD CROSSING HEIGHT (TCH)	00038.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1320
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	2BEF86B3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01255
FPAP ORTHOMETRIC HEIGHT	+01255

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 437 THRE: 412	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MACON, GA	AIRPORT NAME: MACON DOWNTOWN	RNAV	RNAV (GPS) RWY 28, AMDT 1 5 MAY 2011	AMDT: ORIG DATED: 12/20/2007

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

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   CARYS K70    R   L N32382306W083184976                      W0051     NAR           CARYS
        SUSAEAENRT   FOBES K70    C   L N32474218W083505999                      W0047     NAR           FOBES
        SUSAEAENRT   HONKA K70    W     N32485300W083284292                      W0050     NAR           HONKA
        SUSAEAENRT   JOBRA K70    W     N32481435W083213422                      W0051     NAR           JOBRA
        SUSAEAENRT   KODRE K70    W     N32495517W083402246                      W0048     NAR           KODRE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMACK7AMAC     0     046YHN32491974W083334325W003000437        1800018000C    MNAR    MACON DOWNTOWN

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMACK7FR28   ACARYS 010CARYSK7EA0E  A    IF                                                18000               A JS
        SUSAP KMACK7FR28   ACARYS 020JOBRAK7EA0EE B 010TF                    34980101    + 02300                           A JS
        SUSAP KMACK7FR28   AJOBRA 010JOBRAK7EA0EE AR   HF                    27610040    + 02300     18000                 A JS
        SUSAP KMACK7FR28   R       010JOBRAK7EA0E  I    IF                               + 02300     18000                 A JS
        SUSAP KMACK7FR28   R       020HONKAK7EA1E  F 051TF                    27910061    + 01700                 RW28  K7PGA JS
        SUSAP KMACK7FR28   R       020HONKAK7EA2WALP       N          ALNAV                                                JS
        SUSAP KMACK7FR28   R       030RW28 K7PG0GY M 031TF                    27910039      00450             -300          A JS
        SUSAP KMACK7FR28   R       040         0  M     CA                    2791        + 00837                           A JS
        SUSAP KMACK7FR28   R       050KODREK7EA0E       DF                                                               A JS
        SUSAP KMACK7FR28   R       060FOBESK7EA0EY   010TF                    2592        + 03000                           A JS
        SUSAP KMACK7FR28   R       070FOBESK7EA0EE  R   HM                    12000040    + 03000                           A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMACK7GRW28     0046942790 N32491783W083332074-0100     +00983004120000039100R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMACK7PR28   RW28 001 0000W28A0N3249178315W08333207395+009830300N3249271800W083350589001067513200003 87F4000002BEF86B3
        SUSAP KMACK7PR28   RW28 002E      +01255+01255LP        86421
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QUALITY A CHECKED

CITY AND STATE	ELEVATION: 437 THRE: 412	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MACON, GA	AIRPORT NAME: MACON DOWNTOWN	RNAV	RNAV (GPS) RWY 28, AMDT 1 5 MAY 2011	AMDT: ORIG
				DATED: 12/20/2007

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```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMACK7SRW28 K7PG              0   18018002625                                                          M
```

CITY AND STATE	ELEVATION: 437 THRE: 412	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MACON, GA	AIRPORT NAME: MACON DOWNTOWN	RNAV	RNAV (GPS) RWY 28, AMDT 1 05 MAY 2011	AMDT: ORIG
				DATED: 12/20/2007

QUALITY CHECKED

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
CMI VORTAC (IAF)	FEXIK INT/CMI 26.47 DME (NOPT)	323.05 / 26.47	3100
FEXIK INT/CMI 26.47 DME (IF)	ANNAY OM/INT/BMI 7.56 DME	287.89 / 8.43 (I-BMI)	3100

MISSED APPROACH

ILS: DA
LOC: 6.57 MILES AFTER ANNAY OM/INT/BMI 7.56 DME OR AT BMI 0.99 DME FIX

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 350 AND PNT VOR/DME R-214 TO KAPPA INT/PNT 14.31 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3100 ON HEADING 140 AND I-BMI LOCALIZER SE COURSE (108) TO ANNAY OM INT/BMI 7.56 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 213.67 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E ANNAY OM INT/BMI 7.56 DME, RT, 287.89 INBOUND.
CHART FAS OBST: 979 TREE 402824N/0885411W
1119 AAO 402631N/0884449W

1. PT L SIDE OF COURSE 107.89 OUTBOUND 3100 FT WITHIN 10 MILES OF ANNAY OM (IAF)
2.
3. FAC: 287.89 FAF: ANNAY OM/INT/BMI 7.56 DME DIST FAF TO MAP: 6.57 THLD: 6.57
4. MIN. ALT: ANNAY OM/INT/BMI 7.56 DME 3100, WURSU INT/BMI 2.79 DME 1380*
5. DIST TO THLD FROM OM: 6.57 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1074
6. MIN GS INCPT: 3100 GS ALT AT: - OM: 3060 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 56.1
8. MSA FROM: BMI VOR/DME 2800

MAG VAR: 0E 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 29**	1071	2400	200	1071	2400	200	1071	2400	200	1071	2400	200			
S-LOC 29	1380	2400	509	1380	2400	509	1380	5500	509	1380	5500	509			
CIRCLING	1380	1	509	1380	1	509	1380	1 1/2	509	1520	2	649			
WURSU FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)															
S-LOC 29	1240	2400	369	1240	2400	369	1240	3500	369	1240	3500	369			
CIRCLING	1340	1	469	1340	1	469	1340	1 1/2	469	1520	2	649			

NOTES:
CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
*LOC ONLY
*1500 WHEN USING GENERAL DOWNING-PEORIA INTL ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GENERAL DOWNING-PEORIA INTL ALTIMETER (SEE FORM 8260-10)

CAT D 700-2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
#@ NA WHEN CONTROL TOWER CLOSED.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 871 THRE: 871 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BLOOMINGTON/NORMAL, IL	CENTRAL IL RGNL ARPT AT BLOOMINGTON-NORMAL	I-BMI	ILS OR LOC RWY 29, AMDT 10 05 MAY 2011	AMDT: 9A DATED 04/10/2008

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NOTES, (CONT.):
SETTING AND INCREASE ALL DA 116 FT, AND ALL MDA 120 FT, AND INCREASE S-LOC 29 CAT C/D VISIBILITY 3/8 MILE, INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE AND CIRCLING CAT D VISIBILITY 1/2 MILE; INCREASE WURSU FIX MINIMUMS S-LOC 29 CAT C/D VISIBILITY 3/8 MILE, AND INCREASE CIRCLING CAT D VISIBILITY 1/2 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 29 CAT C/D VISIBILITY TO 1 3/8 MILE, AND INCREASE WURSU FIX MINIMUMS S-LOC 29 CAT C/D VISIBILITY TO RVR 5000.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING GENERAL DOWNING-PEORIA INTL ALTIMETER SETTING, INCREASE S-ILS 29 ALL CATS VISIBILITY TO RVR 5000, S-LOC 29 CAT C/D VISIBILITY TO 1 3/4 MILE, AND INCREASE WURSU FIX MINIMUMS S-LOC 29 CAT C/D VISIBILITY TO 1 3/8 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CMI VORTAC AIRWAY RADIALS 297 CW 006.

QUALITY 2 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
BLOOMINGTON/NORMAL, IL	**ELEVATION: 871 THRE: 871** AIRPORT NAME: **CENTRAL IL RGNL ARPT AT BLOOMINGTON-NORMAL**	**I-BMI**	**ILS OR LOC RWY 29, AMDT 10** 05 MAY 2011	SUP: AMDT: **9A** DATED: **04/10/2008**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC PACKET - 424-18 - ILS

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD       BMI   K5010820VDL  N40285090W088555256    N40285090W088555256E0030008821     NARBLOOMINGTON
        SUSAD       CMI   K5011000VTL  N40020430W088163382    N40020430W088163382E0030007451     NARCHAMPAIGN
        SUSAD       PNT   K5010960VDLA N40491632W088440063    N40491632W088440063E0030006801     NARPONTIAC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT  ANNAY K50    R     N40263780W088462478                    W0023     NAR          ANNAY OM
        SUSAEAENRT  FEXIK K50    R     N40240108W088355499                    W0025     NAR          FEXIK
        SUSAEAENRT  KAPPA K50    C   L N40374670W088551406                    W0023     NAR          KAPPA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBMIK5ABMI     0     080YHN40283760W088545730E000000871         1800018000C    MNAR    CENTRAL IL REGL ARPT AT BLOOMI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBMIK5FI29   AANNAY 010ANNAYK5EA0EE AR   PI IBMIK5      107900800629010PI  + 03100     18000                  0 NS
        SUSAP KBMIK5FI29   ACMI   010CMI  K5D 0V  A    FC CMI K5      0000000032310245D  + 03100     18000                  0 NS
        SUSAP KBMIK5FI29   ACMI   020FEXIKK5EA0EE      CF IBMIK5      1079016432310020PI + 03100                         0 NS
        SUSAP KBMIK5FI29   I      010FEXIKK5EA0E  I    IF IBMIK5      10790164        PI J 0310003100 18000              0 NS
        SUSAP KBMIK5FI29   I      020ANNAYK5EA0E  F    CF IBMIK5      1079008028800084PI H 0310003060        -300BMI   K5D 0 NS
        SUSAP KBMIK5FI29   I      030RW29 K5PG0GY M    CF IBMIK5      1079001428800066PI   00927             -300          0 NS
        SUSAP KBMIK5FI29   I      040         0  M     CA                    2879        + 01500                        0 NS
        SUSAP KBMIK5FI29   I      050         0        VI                    3500                                       0 NS
        SUSAP KBMIK5FI29   I      060KAPPAK5EA0EY      CF PNT K5      2137014303370070D  + 03000                        0 NS
        SUSAP KBMIK5FI29   I      070KAPPAK5EA0EE  R   HM                    2137T010   + 03000                        0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBMIK5GRW29    0065252879 N40283925W088543608+0000    +023350087100005615OIIBMI1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBMIK5IIBMI1   010830RW29 N40290512W088562105287 9N40283876W0885450891999 10740470300E00005600867

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

QUALITY CHECKED

CITY AND STATE	ELEVATION: 871 THRE: 871	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BLOOMINGTON/NORMAL, IL	AIRPORT NAME: **CENTRAL IL REGL ARPT AT BLOOMINGTON - NORMAL**	**I-BMI**	**ILS OR LOC RWY 29, AMDT 10** 05 MAY 2011	AMDT: **9A** 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.

```
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBMIK5SBMI  K5D               0   18018002825                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 871 THRE: 871	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BLOOMINGTON/NORMAL, IL	AIRPORT NAME: CENTRAL IL REGL ARPT AT BLOOMINGTON - NORMAL	I-BMI	ILS OR LOC RWY 29, AMDT 10 05 MAY 2011	AMDT: 9A DATED: 04-10-2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ANNAY	ANNAY	010	IAF	PI	R	FB		062.9()	010.0	AA 03100	
	CMI	CMI	010	IAF	FC		FB		323.1()	024.5	AA 03100	
	CMI	FEXIK	020		CF		FB		323.1()	002.0	AA 03100	
		FEXIK	010	FACF	IF		FB				AA 03100 GI 03100	
		ANNAY	020	FAF	CF		FB		288.0()	008.4	GI 03100 GS 03060	
		RW29	030	MAP	CF		FO		288.0()	006.6	AT 00927	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		287.9()		AA 01500	
		050		VI		FB		350.0()			
	KAPPA	060		CF		FO		033.7()	007.0	AA 03000	
	KAPPA	070		HM	R	FO		213.7()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BMI	N402850.90	W0885552.56	N4028.848	W08855.876
	CMI	N400204.30	W0881633.82	N4002.072	W08816.564
	PNT	N404916.32	W0884400.63	N4049.272	W08844.011
	ANNAY	N402637.80	W0884624.78	N4026.630	W08846.413
	FEXIK	N402401.08	W0883554.99	N4024.018	W08835.917
	KAPPA	N403746.70	W0885514.06	N4037.778	W08855.234
	RW29	N402839.25	W0885436.08	N4028.654	W08854.601
	IBMI (LOC)	N402905.12	W0885621.05	N4029.085	W08856.351

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29	00871	56

QUALITY CHECKED

CITY AND STATE	ELEVATION: 871 THRE: 871	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BLOOMINGTON/NORMAL, IL	AIRPORT NAME: CENTRAL IL REGL ARPT AT BLOOMINGTON - NORMAL	I-BMI	ILS OR LOC RWY 29, AMDT 10 05 MAY 2011	AMDT: 9A DATED: 04-10-2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BMI VOR/DME	WAGOR INT/BMI 5.00 DME	286.19 / 5.00	2800
PIA VORTAC (IAF)	BOJOE INT/BMI 11.12 DME (NOPT)	102.11 / 30.04	2500
BOJOE INT/BMI 11.12 DME (IF)	WAGOR INT/BMI 5.00 DME	107.88 / 6.12 (I-BMI)	2500

MISSED APPROACH

MAP: 4.09 MILES AFTER WAGOR INT/BMI 5.00 DME

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 030 AND BMI VOR/DME R-060 TO COOKS INT/PNT 16.61 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, LT, 182.00 INBOUND.
FAS OBST: 1029 AAO 403009N/0890307W
WAGOR TO RW11: 3.04/43.

1. PT L SIDE OF COURSE 287.88 OUTBOUND 2800 FT WITHIN 10 MILES OF WAGOR (IAF)
2.
3. FAC 107.88 FAF WAGOR INT/BMI 5.00 DME DIST FAF TO MAP 4.09 THLD 4.91
4. MIN. ALT WAGOR 2500
8. MSA FROM: BMI VOR/DME 2800

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		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-11	1280	1	409	1280	1	409	1280	1 1/8	409	1280	1 1/8	409			
CIRCLING	1340	1	469	1340	1	469	1340	1 1/2	469	1520	2	649			

NOTES:

CHART PROFILE NOTE: DISREGARD GS INDICATIONS.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GENERAL DOWNING-PEORIA INTL ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET; INCREASE S-11 CATS C AND D VISIBILITY 3/8 MILE AND CIRCLING CAT D VISIBILITY 1/2 MILE.

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

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 871 THRE: 871	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
BLOOMINGTON/NORMAL, IL	AIRPORT NAME: CENTRAL IL RGNL ARPT AT BLOOMINGTON-NORMAL	I-BMI	LOC BC RWY 11, AMDT 10 05 MAY 2011	AMDT 9
				DATE 10/27/2005

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DDC VORTAC	LQR NDB	055.74 / 48.40	4300
DISKS INT	LQR NDB	219.40 / 13.84	3800

MISSED APPROACH

MAP: LQR NDB

CLIMBING RIGHT TURN TO 3800 IN LQR NDB HOLDING PATTERN.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 176.77 INBOUND.
CHART FAS OBST: 2421 TOWER 381818N/0990128W
FAC CROSSES RWY C/L EXTENDED 5180 FROM THLD.

1. PT L SIDE OF COURSE 356.77 OUTBOUND 3800 FT WITHIN 10 MILES OF LQR NDB (IAF)
2.
3. FAC 176.77 FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: LQR NDB 3900

MAG VAR: 8E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-17	2780	1	773	2780	1 1/4	773	2780	2 1/2	773		NA				
CIRCLING	2780	1	769	2780	1 1/4	769	2780	2 1/2	769		NA				

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: CIRCLING NA TO RWYS 4, 12, 22 AND 30.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GREAT BEND ALTIMETER SETTING: INCREASE ALL MDA 60 FEET CIRCLING CAT A VISIBILITY 1/4 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 2011 THRE: 2007	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP NDB OR GPS RWY 17
LARNED, KS	AIRPORT NAME: LARNED-PAWNEE COUNTY	LQR	NDB RWY 17, AMDT 4 05 MAY 2011	AMDT 3
				DATE 10/13/1994

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
DISKS	CULMI (FO)	283.05 / 10.79	4500
HYS VORTAC (IAF)	CULMI (NOPT) (FB)	152.40 / 26.89	4500
CULMI (IF/IAF)	JIXIT (FB)	171.91 / 7.00	3800
JIXIT (FAF)	HUTAM/1.80 NM TO RW17 (FB)	171.91 / 3.70	
HUTAM/1.80 NM TO RW17	RW17 (MAP) (FO)	171.91 / 1.80	
RW17 (MAP)	2320 MSL		
2320 MSL	CUKTO (FO)		4300

MISSED APPROACH

LNAV: RW17

CLIMB TO 4300 DIRECT CUKTO AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 351.91 INBOUND.
CHART FAS OBST: 2058 TREE 381309N/0990501W
2339 AAO 381847N/0990559W
JIXIT TO RW17: 3.00/40.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N CULMI, RT, 171.91 INBOUND, 4500 FT. IN LIEU OF PT (IAF)
3. FAC: 171.91 FAF: JIXIT DIST FAF TO MAP: 5.50 THLD: 5.50
4. MIN. ALT: CULMI 4500, JIXIT 3800, HUTAM/1.80 NM TO RW17 2620
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 3900

MAG VAR: 8E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	2320	1	313	2320	1	313	2320	1	313		NA				
CIRCLING	2500	1	489	2600	1	589	2600	1 1/2	589		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DISKS ON V502 NORTHEAST BOUND AND V132-502 (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 2011 THRE: 2007	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LARNED, KS	AIRPORT NAME: LARNED-PAWNEE COUNTY	RNAV	RNAV (GPS) RWY 17, ORIG 05 MAY 2011	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.):
EASTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON HYS VORTAC AIRWAY RADIALS 076 CW 221.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GREAT BEND ALTIMETER SETTING: INCREASE ALL MDA 60 FEET AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: CIRCLING NA TO RWYS 4, 12, 22 AND 30.

CITY AND STATE	ELEVATION: 2011 THRE: 2007	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LARNED, KS	AIRPORT NAME: **LARNED-PAWNEE COUNTY**	**RNAV**	**RNAV (GPS) RWY 17, ORIG** 05 MAY 2011	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        HYS   K3011040VTLA N38505156W099163645    N38505156W099163645E0100019901     NARHAYS

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   CUKTO K30    C   L N37551282W099050425                    E0056     NAR           CUKTO
       SUSAEAENRT   CULMI K30    W     N38252981W099050787                    E0056     NAR           CULMI
       SUSAEAENRT   DISKS K30    R   L N38213775W098521921                    E0054     NAR           DISKS
       SUSAEAENRT   HUTAM K30    W     N38144714W099050659                    E0056     NAR           HUTAM
       SUSAEAENRT   JIXIT K30    W     N38182961W099050703                    E0056     NAR           JIXIT

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KLQRK3ALQR     0     042YHN38123090W099050950E008002011         1800018000C    MNAR    LARNED-PAWNEE COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KLQRK3FR17   ADISKS 010DISKSK3EA0E       IF                                                18000                B JS
       SUSAP KLQRK3FR17   ADISKS 020CULMIK3EA0EY   020TF                    28310108                                         B JS
       SUSAP KLQRK3FR17   ADISKS 030CULMIK3EA0EE AR   HF                    17190050    + 04500                              B JS
       SUSAP KLQRK3FR17   AHYS   010HYS  K3D 0V  A    IF                                                18000                B JS
       SUSAP KLQRK3FR17   AHYS   020CULMIK3EA0EE B 010TF                    15240269    + 04500                              B JS
       SUSAP KLQRK3FR17   R      010CULMIK3EA0E  I    IF                               + 04500     18000                    B JS
       SUSAP KLQRK3FR17   R      020JIXITK3EA1E  F 051TF                    17190070    + 03800                RW17  K3PGB JS
       SUSAP KLQRK3FR17   R      020JIXITK3EA2WN          N          ALNAV                                                 JS
       SUSAP KLQRK3FR17   R      021HUTAMK3EA0E S  031TF                    17190037    V 0262002620        -300             B JS
       SUSAP KLQRK3FR17   R      030RW17 K3PG0GY M 031TF                    17190018      02047             -300             B JS
       SUSAP KLQRK3FR17   R      040         0  M  010CA                    1719        + 02320                              B JS
       SUSAP KLQRK3FR17   R      050CUKTOK3EA0EY   010DF                               + 04300                              B JS
       SUSAP KLQRK3FR17   R      060CUKTOK3EA0EE  R020HM                    35190050    + 04300                              B JS
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CITY AND STATE	ELEVATION: 2011 THRE: 2007	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LARNED, KS	AIRPORT NAME: LARNED-PAWNEE COUNTY	RNAV	RNAV (GPS) RWY 17, ORIG 05 MAY 2011	AMDT: NONE
				DATED:

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KLQRK3GRW17     0042011719 N38125902W099050637+0000     +06038020070000400 75R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KLQRK3SRW17 K3PG               0   18018003925                                                                    M
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CITY AND STATE	ELEVATION: 2011 THRE: 2007	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LARNED, KS	AIRPORT NAME: LARNED-PAWNEE COUNTY	RNAV	RNAV (GPS) RWY 17, ORIG 05 MAY 2011	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
CUKTO (IF/IAF)	WENIL (FB)	351.91 / 11.55	3800
WENIL (FAF)	OTEGE/1.70 NM TO RW35 (FB)	351.91 / 3.81	2580
OTEGE/1.70 NM TO RW35	RW35 (MAP) (FO)	351.91 / 1.70	
RW35 (MAP)	2259 MSL	351.91	
2259 MSL	CULMI (FO)		4500

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

CLIMB TO 4500 DIRECT CULMI AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 171.91 INBOUND.
CHART FAS OBST: 2134 TOWER 381145N/0990529W
CHART FAS OBST: 2162 ANT 381038N/0990551W
CHART: 2267 AAO 380700N/0990436W
2267 AAO 380700N/0990436W
DISTANCE TO THLD FROM 250 HATH: 0.67 NM.
WAAS CHANNEL # 82020
REFERENCE PATH ID: W35A
LTP HAE: 586.3 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S CUKTO, RT, 351.91 INBOUND, 4300 FT. IN LIEU OF PT (IAF)
3. FAC: 351.91 FAF: WENIL DIST FAF TO MAP: 5.51 THLD: 5.51
4. MIN. ALT: CUKTO 4300, WENIL 3800, OTEGE/1.70 NM TO RW35 2580*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3800 GS ALT AT: WENIL 3800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 36.4 34:1 IS NOT CLEAR
8. MSA FROM: RW35 3900

MAG VAR: 8E EPOCH YEAR: 1985

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	2259	1	250	2259	1	250	2259	1	250		NA				
LNAV/VNAV DA	2334	1 1/8	325	2334	1 1/8	325	2334	1 1/8	325		NA				
LNAV MDA	2420	1	411	2420	1	411	2420	1 1/2	411		NA				
CIRCLING	2500	1	489	2600	1	589	2600	1 1/2	589		NA				

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING GREAT BEND ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 2011 THRE: 2009	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LARNED, KS	AIRPORT NAME: LARNED-PAWNEE COUNTY	RNAV	RNAV (GPS) RWY 35, ORIG 05 MAY 2011	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.):
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT CUKTO ON V10 EASTBOUND.
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GREAT BEND ALTIMETER SETTING AND INCREASE ALL DA 49 FEET AND LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE; INCREASE ALL MDA 60 FEET AND INCREASE LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: CIRCLING NA TO RWYS 4, 12, 22 AND 30.

CHART NOTE: PROCEDURE NA AT NIGHT.

CITY AND STATE	ELEVATION: 2011 THRE: 2009	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LARNED, KS	AIRPORT NAME: LARNED-PAWNEE COUNTY	RNAV	RNAV (GPS) RWY 35, ORIG 05 MAY 2011	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	KLQR
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	381217.4880N
LTP/FTP LONGITUDE	0990506.2930W
LTP/FTP ELLIPSOIDAL HEIGHT	+05863
FPAP LATITUDE	381346.6900N
FPAP LONGITUDE	0990506.4700W
THRESHOLD CROSSING HEIGHT (TCH)	00036.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	DAA8B1A4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+06123
FPAP ORTHOMETRIC HEIGHT	+06123

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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   CUKTO K30    C   L N37551282W099050425                    E0056     NAR           CUKTO
        SUSAEAENRT   CULMI K30    W     N38252981W099050787                    E0056     NAR           CULMI
        SUSAEAENRT   OTEGE K30    W     N38103538W099050609                    E0056     NAR           OTEGE
        SUSAEAENRT   WENIL K30    W     N38064652W099050563                    E0056     NAR           WENIL

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLQRK3ALQR     0     042YHN38123090W099050950E008002011        1800018000C    MNAR    LARNED-PAWNEE COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLQRK3FR35   ACUKTO 010CUKTOK3EA0EE AR   HF                   35190050    + 04300     18000                A JS
        SUSAP KLQRK3FR35   R      010CUKTOK3EA0E  I    IF                               + 04300     18000                A JS
        SUSAP KLQRK3FR35   R      020WENILK3EA1E  F 051TF                   35190116    + 03800                 RW35  K3PGA JS
        SUSAP KLQRK3FR35   R      020WENILK3EA2WALPV       ALNAV/VNAV ALNAV                                              JS
        SUSAP KLQRK3FR35   R      021OTEGEK3EA0E S  031TF                   35190038    V 0258002586        -300          A JS
        SUSAP KLQRK3FR35   R      030RW35 K3PG0GY M 031TF                   35190017      02045             -300          A JS
        SUSAP KLQRK3FR35   R      040         0  M  010CA                   3519        + 02259                         A JS
        SUSAP KLQRK3FR35   R      050CULMIK3EA0EY   010DF                              + 04500                         A JS
        SUSAP KLQRK3FR35   R      060CULMIK3EA0EE  R020HM                   17190050    + 04500                         A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLQRK3GRW35    0042013519 N38121749W099050629+0000    +0586302009000036075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLQRK3PR35   RW35 001 0000W35A0N3812174880W09905062930+058630300N3813466900W0990506470010675147200036 4F400500DAA8B1A4
        SUSAP KLQRK3PR35   RW35 002E      +06123+06123LPV       82020
```


CITY AND STATE	ELEVATION: 2011 THRE: 2009	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LARNED, KS	AIRPORT NAME: LARNED-PAWNEE COUNTY	RNAV	RNAV (GPS) RWY 35, ORIG 05 MAY 2011	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
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLQRK3SRW35 K3PG              0   18018003925                                                              M
```

CITY AND STATE	ELEVATION: 2011 THRE: 2009	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LARNED, KS	AIRPORT NAME: **LARNED-PAWNEE COUNTY**	**RNAV**	**RNAV (GPS) RWY 35, ORIG** 05 MAY 2011	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
MARYSVILLE, KS	MARYSVILLE MUNI	05 MAY 2011	1

TAKEOFF MINIMUMS:

RWY 16, STANDARD.

RWY 34, 500-1.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16, TREES BEGINNING 68 FT FROM DER, 480 FT LEFT OF CENTERLINE, UP TO 28 FT AGL/1287 FT MSL. POLE 200 FT FROM DER, 501 FT LEFT OF CENTERLINE, 30 FT AGL/1285 FT MSL. TREES BEGINNING 506 FT FROM DER, 540 FT LEFT OF CENTERLINE, UP TO 88 FT AGL/1327 FT MSL. TREES BEGINNING 1306 FT FROM DER, 761 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1359 FT MSL. TREES BEGINNING 4610 FT FROM DER, 1170 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1409 FT MSL.

NOTE: RWY 34, TREES 1539 FT FROM DER, 902 FT LEFT OF CENTERLINE, 69 FT AGL/1327 FT MSL. TOWER 4940 FT FROM DER, 1289 FT RIGHT OF CENTERLINE, 499 FT AGL/1759 FT MSL.

CONTROLLING OBSTACLES:

RWY 34: 1759 FT MSL TOWER 395233.00N/0963805.00W.

QUALITY A CHECKED

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
GRICE INT/12.21 DME (IF/IAF)	UHAUL/6.12 DME	238.11 / 6.09 (I-PTN)	1700

MISSED APPROACH

ILS: DA
LOC: I-PTN 0.97 DME FIX

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 1700 ON HEADING 090 AND I-PTN NE COURSE TO GRICE INT/I-PTN 12.21 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 96 TREE 294322N/0911911W
CHART VDP AT 1.92 DME*;
DISTANCE VDP TO THLD 0.95 MILES.
*LOC ONLY.

1. PT ___ SIDE OF COURSE ___ OUTBOUND ___ FT WITHIN ___ MILES OF ___ (IAF)
2. HOLD NE GRICE, RT, 238.11 INBOUND, 1700 FT. IN LIEU OF PT (IAF)
3. FAC: 238.11 FAF: UHAUL/6.12 DME DIST FAF TO MAP: ___ THLD: 5.15
4. MIN. ALT: GRICE 1700, UHAUL 1700, JISPA/2.57 DME 560*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 964
6. MIN GS INCPT: 1700 GS ALT AT: UHAUL 1700 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 50.3
8. MSA FROM: PTN NDB 244-334 16000, 334-244 1600

MAG VAR: 1E 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
S-ILS 24	208	1/2	200	208	1/2	200	208	1/2	200		NA				
S-LOC 24	360	1/2	352	360	1/2	352	360	5/8	352		NA				
CIRCLING	520	1	511	580	1	571	620	1 3/4	611		NA				

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEW IBERIA ALTIMETER SETTING AND INCREASE ALL DA 82 FEET AND ALL MDA 100 FEET; INCREASE S-LOC 24 AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE; FOR INOPERATIVE MALSR WHEN USING NEW IBERIA ALTIMETER SETTING; INCREASE S-ILS 24 ALL (SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 9 THRE: 8 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS RWY 24
PATTERSON, LA	HARRY P WILLIAMS MEMORIAL	I-PTN	ILS OR LOC/DME RWY 24, AMDT 2 5 MAY 2011	AMDT: 1 DATED 09/04/2003

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.):
CATS VISIBILITY TO 7/8 MILE AND S-LOC 24 CAT C VISIBILITY TO 1 3/8 MILE.
CHART NOTE: VDP NA WHEN USING NEW IBERIA ALTIMETER SETTING.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 6 NA AT NIGHT.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
PATTERSON, LA	**ELEVATION: 9** **THRE: 8** AIRPORT NAME: **HARRY P WILLIAMS MEMORIAL**	**I-PTN**	**ILS OR LOC/DME RWY 24, AMDT 2** 5 MAY 2011	SUP: **ILS RWY 24** AMDT: **1** DATED: **09/04/2003**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC PACKET - 424-18 - ILS

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAD        BIX   K7011180 TTW                    BIX N30242551W088554696E0010000190     NARKEESLER
          SUSAD KPTNK4 IPTN  K4010830 IT                     IPTNN29422491W091205548     000230     NARHARRY P WILLIAMS MEMORIAL
          SUSADB       PTN   K4002450H MW N29425266W091201224                    E0010              NARPATTERSON

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   GRICE K40    C   L N29483932W091085137                    E0006     NAR           GRICE
          SUSAEAENRT   UHAUL K40    C     N29453172W091145181                    E0007     NAR           UHAUL

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KPTNK4APTN     0     053YHN29423437W091202032E001000009         18000018000C    MNAR    HARRY P WILLIAMS MEMORIAL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KPTNK4FI24   AGRICE 010GRICEK4EA0EE AR   HF IPTNK4      058101222381T010PI  + 01700     18000                0 NS
          SUSAP KPTNK4FI24   I      010GRICEK4EA0E  I    IF IPTNK4      05810122         PI  J 017000170018000                0 NS
          SUSAP KPTNK4FI24   I      020UHAULK4EA0E  F    CF IPTNK4      0581006123800061PI  H 0170001700        -300PTN   K4DB0 NS
          SUSAP KPTNK4FI24   I      030RW24 K4PG0GY M    CF IPTNK4      0581001023800052PI    00059             -300          0 NS
          SUSAP KPTNK4FI24   I      040          0  M     CA                    2381        + 00600                          0 NS
          SUSAP KPTNK4FI24   I      050          0    R   VIY                   0900                                         0 NS
          SUSAP KPTNK4FI24   I      060GRICEK4EA0EY      CF BIX K7      2524120805810100D   + 01700                          0 NS
          SUSAP KPTNK4FI24   I      070GRICEK4EA0EE  R   HM                    2381T010    + 01700                          0 NS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KPTNK4GRW24    0053992381 N29425267W091195670+0000     -0023300008000050150IIPTN1

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KPTNK4IIPTN1   010830RW24 N29422284W0912053802381N29425084W0912008180470 09640600300E00105000008

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KPTNK4SPTN  K4DB              0   0641541602515406401625                                                        M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 8	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS RWY 24
PATTERSON, LA	AIRPORT NAME: **HARRY P WILLIAMS MEMORIAL**	**I-PTN**	**ILS OR LOC/DME RWY 24, AMDT 2** 5 MAY 2011	AMDT: **1**
				DATED: **09/04/2003**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GRICE	GRICE	010	IAF	HF	R	FO		238.1()	T01.0	AA 01700	
		GRICE	010	FACF	IF		FB				AA 01700 GI 01700	
		UHAUL	020	FAF	CF		FB		238.0()	006.1	GI 01700 GS 01700	
		RW24	030	MAP	CF		FO		238.0()	005.2	AT 00059	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		238.1()		AA 00600	
		050		VI	R	FB		090.0()			
	GRICE	060		CF		FO		058.1()	010.0	AA 01700	
	GRICE	070		HM	R	FO		238.1()	T01.0	AA 01700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BIX (DME)	N302425.51	W0885546.96	N3024.425	W08855.783
	IPTN (DME)	N294224.91	W0912055.48	N2942.415	W09120.925
	PTN	N294252.66	W0912012.24	N2942.878	W09120.204
	GRICE	N294839.32	W0910851.37	N2948.655	W09108.856
	UHAUL	N294531.72	W0911451.81	N2945.529	W09114.864
	RW24	N294252.67	W0911956.70	N2942.878	W09119.945
	IPTN (LOC)	N294222.84	W0912053.80	N2942.381	W09120.897

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24	00008	50

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 9 THRE: 8	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS RWY 24
PATTERSON, LA	AIRPORT NAME: **HARRY P WILLIAMS MEMORIAL**	**I-PTN**	**ILS OR LOC/DME RWY 24, AMDT 2** 5 MAY 2011	AMDT: 1
				DATED: 09/04/2003

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TBD VORTAC (IAF)	HONAX (NOPT) (FB)	298.49 / 18.50	1700
DONBE (IAF)	HONAX (NOPT) (FB)	196.22 / 19.19	1700
WOVON (IAF)	HONAX (NOPT) (FB)	152.22 / 22.07	1700
HONAX (IF/IAF)	UHAUL (FB)	238.21 / 6.70	1700
UHAUL *(FAF)*	JISPA/1.60 NM TO RW24 (FB)	238.15 / 3.55	
JISPA/1.60 NM TO RW24	RW24 (MAP) (FO)	238.12 / 1.60	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW24

CLIMB TO 2000 DIRECT FANAG AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 058.00 INBOUND.
CHART FAS OBST: 307 ANT ON OL MCRWV TWR 294253N/0911803W
DISTANCE TO THLD FROM 200 HATH: 0.47 NM.
CHART VDP AT 0.95 MILES TO RW24*
*LNAV ONLY.
WAAS CHANNEL # 40320
REFERENCE PATH ID: W24A
LTP HAE: -23.3 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE HONAX, RT, 238.21 INBOUND, 1700 FT. IN LIEU OF PT (IAF)
3. FAC: 238.15 FAF: UHAUL DIST FAF TO MAP: 5.15 THLD: 5.15
4. MIN. ALT: UHAUL 1700, JISPA/1.60 NM TO RW24 560*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1700 GS ALT AT: UHAUL 1700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.3 34:1 IS CLEAR
8. MSA FROM: RW24 16000

MAG VAR: 1E EPOCH YEAR: 2005

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	208	1/2	200	208	1/2	200	208	1/2	200		NA				
LNAV/VNAV DA	258	1/2	250	258	1/2	250	258	1/2	250		NA				
LNAV MDA	360	1/2	352	360	1/2	352	360	5/8	352		NA				
CIRCLING	520	1	511	580	1	571	620	1 3/4	611		NA				

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING NEW IBERIA ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VDP NA WHEN USING NEW IBERIA ALTIMETER SETTING.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 9 THRE: 8	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PATTERSON, LA	AIRPORT NAME: HARRY P WILLIAMS MEMORIAL	RNAV	RNAV (GPS) RWY 24, AMDT 1 5 MAY 2011	AMDT: ORIG DATED 07/05/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW24 (MAP)	208 MSL	238.12	
208 MSL	FANAG (FO)		2000

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEW IBERIA ALTIMETER SETTING AND INCREASE ALL DA 82 FEET AND ALL MDA 100 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE, LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING NEW IBERIA ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 7/8 MILE, LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 MILE, AND LNAV CAT C VISIBILITY TO 1 3/8 MILE.

CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 6 NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TBD VORTAC AIRWAY RADIALS 225 CW 296.

CITY AND STATE	ELEVATION: 9 THRE: 8 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PATTERSON, LA	HARRY P WILLIAMS MEMORIAL	RNAV	RNAV (GPS) RWY 24, AMDT 1 5 MAY 2011	AMDT: ORIG 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	KPTN
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	294252.6700N
LTP/FTP LONGITUDE	0911956.7000W
LTP/FTP ELLIPSOIDAL HEIGHT	-00233
FPAP LATITUDE	294206.8100N
FPAP LONGITUDE	0912124.5000W
THRESHOLD CROSSING HEIGHT (TCH)	00050.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	93.75
LENGTH OFFSET	1104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	E73CE0C1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00026
FPAP ORTHOMETRIC HEIGHT	+00026

QUALITY CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 8	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PATTERSON, LA	AIRPORT NAME: HARRY P WILLIAMS MEMORIAL	RNAV	RNAV (GPS) RWY 24, AMDT 1 5 MAY 2011	AMDT: ORIG
				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 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  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAD        TBD   K4011200VTL  N29395156W090494474    N29395156W090494474E0020000101     NARTIBBY

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DONBE K40    C   L N30072092W091014334                    E0006     NAR           DONBE
        SUSAEAENRT   FANAG K40    W     N29365311W091312323                    E0010     NAR           FANAG
        SUSAEAENRT   HONAX K40    W     N29485807W091081530                    E0007     NAR           HONAX
        SUSAEAENRT   JISPA K40    C     N29434207W091182208                    E0008     NAR           JISPA
        SUSAEAENRT   UHAUL K40    C     N29453172W091145181                    E0008     NAR           UHAUL
        SUSAEAENRT   WOVON K40    C   L N30084336W091194112                    E0008     NAR           WOVON

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPTNK4APTN     0     053YHN29423437W091202032E001000009         1800018000C    MNAR    HARRY P WILLIAMS MEMORIAL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPTNK4FR24   ADONBE 010DONBEK4EA0E  A    IF                                          18000                A JS
        SUSAP KPTNK4FR24   ADONBE 020HONAXK4EA0EE B 010TF                    19620192    + 01700                      A JS
        SUSAP KPTNK4FR24   AHONAX 010HONAXK4EA0EE AR   HF                    23820040    + 01700     18000            A JS
        SUSAP KPTNK4FR24   ATBD   010TBD  K4D 0V  A    IF                                          18000            A JS
        SUSAP KPTNK4FR24   ATBD   020HONAXK4EA0EE B 010TF                    29850185    + 01700                      A JS
        SUSAP KPTNK4FR24   AWOVON 010WOVONK4EA0E  A    IF                                          18000            A JS
        SUSAP KPTNK4FR24   AWOVON 020HONAXK4EA0EE B 010TF                    15220221    + 01700                      A JS
        SUSAP KPTNK4FR24   R      010HONAXK4EA0E  I    IF                                + 01700   18000            A JS
        SUSAP KPTNK4FR24   R      020UHAULK4EA1E  F 051TF                    23820067    + 01700             RW24   K4PGA JS
        SUSAP KPTNK4FR24   R      020UHAULK4EA2WALPV       ALNAV/VNAV ALNAV                                           JS
        SUSAP KPTNK4FR24   R      021JISPAK4EA0E S  031TF                    23820036    V 0056000568       -300     A JS
        SUSAP KPTNK4FR24   R      030RW24 K4PG0GY M 031TF                    23810016      00059            -300     A JS
        SUSAP KPTNK4FR24   R      040         0  M     CA                    2381        + 00208                      A JS
        SUSAP KPTNK4FR24   R      050FANAGK4EA0EY       DF                              + 02000                      A JS
        SUSAP KPTNK4FR24   R      060FANAGK4EA0EE  R    HM                    05800040    + 02000                      A JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 8	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PATTERSON, LA	AIRPORT NAME: HARRY P WILLIAMS MEMORIAL	RNAV	RNAV (GPS) RWY 24, AMDT 1 5 MAY 2011	AMDT: ORIG 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 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KPTNK4GRW24    0053992381 N29425267W091195670+0000    -0023300008000050150I

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KPTNK4PR24    RW24 001 0000W24A0N2942526700W09119567000-002330300N2942068100W09121245000093751104000503F400350E73CE0C1
       SUSAP KPTNK4PR24    RW24 002E      +00026+00026LPV       40320

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KPTNK4SRW24 K4PG               0   18018016025                                                              M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 8	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PATTERSON, LA	AIRPORT NAME: HARRY P WILLIAMS MEMORIAL	RNAV	RNAV (GPS) RWY 24, AMDT 1 5 MAY 2011	AMDT: ORIG
				DATED: 07/05/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FALMA	COKBI (FB)	132.33 / 13.91	2100
MVY VOR/DME	HORAX (FO)	234.98 / 13.20	2100
COKBI (IAF)	HORAX (NOPT) (FB)	132.51 / 5.00	2100
NEWBE (IAF)	HORAX (NOPT) (FB)	099.22 / 12.47	2100
DEEPO (IAF)	HORAX (NOPT) (FB)	028.60 / 6.94	2100
HORAX (IF/IAF)	ZASNA (FB)	055.49 / 6.61	2000
ZASNA (FAF)	SILOC/2.00 NM TO RW06 (FB)	055.55 / 3.95	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW06

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DEEPO AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 028.60 INBOUND.
CHART FAS OBST: 169 TREE 412323N/0703723W
CHART R4105 A & B.
DISTANCE TO THLD FROM 250 HATH: 0.63 NM.
CHART VDP AT 0.99 MILES TO RW06*
*LNAV ONLY.
WAAS CHANNEL # 42601
REFERENCE PATH ID: W06A
LTP HAE: -12.6 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW HORAX, RT, 055.49 INBOUND, 2100 FT. IN LIEU OF PT (IAF)
3. FAC: 055.55 FAF: ZASNA DIST FAF TO MAP: 5.95 THLD: 5.95
4. MIN. ALT: HORAX 2100, ZASNA 2000, SILOC/2.00 NM TO RW06 740*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: ZASNA 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR
8. MSA FROM: RW06 2100

MAG VAR: 15W 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	304	3/4	250	304	3/4	250	304	3/4	250	304	3/4	250			
LNAV/VNAV DA	350	1	296	350	1	296	350	1	296	350	1	296			
LNAV MDA	420	1	366	420	1	366	420	1	366	420	1	366			
CIRCLING	500	1	433	520	1	453	540	1 1/2	473	620	2	553			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING HYANNIS ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (109F).
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 67 THRE: 54 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
VINEYARD HAVEN, MA	MARTHAS VINEYARD	RNAV	RNAV (GPS) RWY 6, AMDT 1 05 MAY 2011	AMDT: ORIG DATED 10/25/2007

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SILOC/2.00 NM TO RW06	RW06 (MAP) (FO)	055.59 / 2.00	
RW06 (MAP)	800 MSL	055.59	800
800 MSL	DEEPO (FO)		3000

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HYANNIS ALTIMETER SETTING AND INCREASE ALL DA 54 FEET AND ALL MDA 60 FEET; INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV-VNAV ALL CATS VISIBILITY 1/8 MILE, AND LNAV CATS C AND D VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DEEPO V46 SOUTHWEST BOUND.

CITY AND STATE	ELEVATION: 67 THRE: 54	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
VINEYARD HAVEN, MA	AIRPORT NAME: MARTHAS VINEYARD	RNAV	RNAV (GPS) RWY 6, AMDT 1 05 MAY 2011	AMDT: ORIG DATED: 10/25/2007

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMVY
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	412311.9580N
LTP/FTP LONGITUDE	0703709.6025W
LTP/FTP ELLIPSOIDAL HEIGHT	-00126
FPAP LATITUDE	412419.6300N
FPAP LONGITUDE	0703552.5300W
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	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	7831059E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00164
FPAP ORTHOMETRIC HEIGHT	+00164

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
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SUSAD       MVY   K6011450VDL  N41234636W070364580    N41234636W070364580W0150000591     NARMARTHAS VINEYARD
----------------------------------------------------------------------------------------------------------------------------------------------
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SUSAEAENRT  COKBI K60    W     N41155745W070535278                      W0149     NAR           COKBI
SUSAEAENRT  DEEPO K60    C   L N41065396W070500985                      W0149     NAR           DEEPO
SUSAEAENRT  FALMA K60    C   L N41222216W071101625                      W0148     NAR           FALMA
SUSAEAENRT  HORAX K60    W     N41133863W070480016                      W0149     NAR           HORAX
SUSAEAENRT  NEWBE K60    C   L N41122439W071042692                      W0148     NAR           NEWBE
SUSAEAENRT  SILOC K60    W     N41214080W070385333                      W0150     NAR           SILOC
SUSAEAENRT  ZASNA K60    W     N41184046W070421820                      W0150     NAR           ZASNA
----------------------------------------------------------------------------------------------------------------------------------------------
          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SUSAP KMVYK6AMVY     0     055YHN41233639W070364998W015000067 .       1800018000C    MNAR    MARTHAS VINEYARD
----------------------------------------------------------------------------------------------------------------------------------------------
          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SUSAP KMVYK6FR06   ADEEPO 010DEEPOK6EA0E  A    IF                                          18000                    A JS
SUSAP KMVYK6FR06   ADEEPO 020HORAXK6EA0EE B 010TF                    02860069    + 02100                          A JS
SUSAP KMVYK6FR06   AFALMA 010FALMAK6EA0E       IF                                          18000                    A JS
SUSAP KMVYK6FR06   AFALMA 020COKBIK6EA0E  A 020TF                    13230139    + 02100                          A JS
SUSAP KMVYK6FR06   AFALMA 030HORAXK6EA0EE B 010TF                    13250050    + 02100                          A JS
SUSAP KMVYK6FR06   AMVY   010MVY  K6D 0V      IF                                          18000                    A JS
SUSAP KMVYK6FR06   AMVY   020HORAXK6EA0EY   020TF                   23500132    + 02100                          A JS
SUSAP KMVYK6FR06   AMVY   030HORAXK6EA0EE AR   HF                   05550040    + 02100                          A JS
SUSAP KMVYK6FR06   ANEWBE 010NEWBEK6EA0E  A    IF                                          18000                    A JS
SUSAP KMVYK6FR06   ANEWBE 020HORAXK6EA0EE B 010TF                    09920125    + 02100                          A JS
SUSAP KMVYK6FR06   R      010HORAXK6EA0E  I    IF                                 + 02100  18000                    A JS
SUSAP KMVYK6FR06   R      020ZASNAK6EA1E  F 051TF                    05550066    + 02000                RW06  K6PGA JS
SUSAP KMVYK6FR06   R      020ZASNAK6EAJWALPV       ALNAV/VNAV ALNAV                                                 JS
SUSAP KMVYK6FR06   R      021SILOCK6EA0E S  031TF                    05560040    V 0074000745       -300          A JS
SUSAP KMVYK6FR06   R      030RW06 K6PG0GY M 031TF                    05560020      00104            -300          A JS
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CITY AND STATE	ELEVATION: 67 THRE: 54	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
VINEYARD HAVEN, MA	AIRPORT NAME: **MARTHAS VINEYARD**	**RNAV**	**RNAV (GPS) RWY 6, AMDT 1** 05 MAY 2011	AMDT: ORIG
				DATED: 10/25/2007

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                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

        SUSAP KMVYK6FR06    R       040       0  M  010CA                    0556        + 00800                              A JS
        SUSAP KMVYK6FR06    R       050DEEPOK6EA0EY  R010DF                              + 03000                              A JS
        SUSAP KMVYK6FR06    R       060DEEPOK6EA0EE  R020HM                   02860040   + 03000                              A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

        SUSAP KMVYK6GRW06     0055040556 N41231196W070370960+0200     -0012600054000050100R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

        SUSAP KMVYK6PR06    RW06 001 0000W06A0N4123119580W07037096025-00126030ON4124196300W0703552530010675107200050OF400500783105 9E
        SUSAP KMVYK6PR06    RW06 002E       +00164+00164LPV       42601

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

        SUSAP KMVYK6SRW06 K6PG                0   18018002125                                                                  M
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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
ENE VORTAC	FACNO INT/ENE 11.48 DME	257.63 / 11.48	2400
CON VORTAC (IAF)	HAVAN INT/ENE 17.58 DME (NOPT)	097.41 / 27.20	3000
MHT VOR/DME (IAF)	HAVAN INT/ENE 17.58 DME (NOPT)	051.08 / 30.45	3000
PSM VOR/DME (IAF)	HAVAN INT/ENE 17.58 DME (NOPT)	350.15 / 12.91	3000
HAVAN INT/ENE 17.58 DME (IF)	FACNO INT/ENE 11.48 DME	075.35 / 6.10 (I-SFM)	2300

MISSED APPROACH

ILS: DA
LOC: 6.29 MILES AFTER FACNO INT/ENE 11.48 DME OR AT ENE 5.20 DME FIX

CLIMB TO 2500 DIRECT ENE VORTAC AND HOLD,
CONTINUE CLIMB-IN-HOLD TO 2500, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2400 ON HEADING 290 AND ON I-SFM W COURSE (255) TO FACNO INT AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 262.00 INBOUND.
CHART FAS OBST: 545 TREES 432156N/0704529W
CHART SANFD LOM IN HALF-TONE.
**DME FROM ENE VORTAC.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W FACNO, RT, 075.35 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
3. FAC: 075.35 FAF: FACNO INT/ENE 11.48 DME DIST FAF TO MAP: 6.29 THLD: 6.29
4. MIN. ALT: FACNO 2300, XAWFE/ENE 7.50 DME 960*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1120
6. MIN GS INCPT: 2300 GS ALT AT: FACNO 2300 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 57.1
8. MSA FROM: ENE VORTAC 055-235 1900, 235-325 3100, 325-055 3100

MAG VAR: 17W EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 7	440	3/4	200	440	3/4	200	440	3/4	200	440	3/4	200			
S-LOC 7	960	1	720	960	1	720	960	2	720	960	2	720			
CIRCLING	960	1	716	960	1	716	960	2	716	960	2 1/4	716			
XAWFE FIX MINIMUMS**															
S-LOC 7	800	1	560	800	1	560	800	1 5/8	560	800	1 5/8	560			
CIRCLING	800	1	556	800	1	556	800	1 5/8	556	860	2	616			

NOTES:
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
*LOC ONLY, 1000 WHEN USING ROCHESTER, NH ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PSM VORTAC ON V3 SOUTHBOUND.
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 244 THRE: 240 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SANFORD, ME	SANFORD RGNL	I-SFM	ILS OR LOC RWY 7, AMDT 4	AMDT: 3B
			05 MAY 2011	DATED 10/26/2006

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCHESTER, NH ALTIMETER SETTING: INCREASE ALL DA TO 478; INCREASE ALL MDA 40 FEET AND S-LOC 7 CAT B AND CIRCLING CATS B/C/D VISIBILITY 1/4 MILE AND XAWFE FIX MINIMUMS S-LOC 7 CATS C/D AND CIRCLING CAT C VISIBILITY 1/8 MILE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 244 THRE: 240	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SANFORD, ME	AIRPORT NAME: SANFORD RGNL	I-SFM	ILS OR LOC RWY 7, AMDT 4 05 MAY 2011	AMDT: 3B
				DATED: 10/26/2006

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 - ILS

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD       CON   K6011290VTLA N43131123W071343163    N43131123W071343163W0150007151     NARCONCORD
          SUSAD       ENE   K6011710VTH  N43253242W070364869    N43253242W070364869W0170001922     NARKENNEBUNK
          SUSAD       MHT   K6011440VDL  N42520670W071221031    N42520670W071221031W0150004711     NARMANCHESTER
          SUSAD       PSM   K6011650VDLW N43050406W070495515    N43050406W070495515W0160000991     NARPEASE

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT  FACNO K60    C     N43195371W070503125                    W0155     NAR          FACNO
          SUSAEAENRT  HAVAN K60    C     N43164094W070573739                    W0154     NAR          HAVAN

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFMK6ASFM     0     063YHN43233770W070422880W017000244          1800018000C    MNAR    SANFORD RGNL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFMK6FI07   ACON   010CON  K6D 0V  A    FC CON K6      00000000097402520  + 03000     18000                0 NS
          SUSAP KSFMK6FI07   ACON   020HAVANK6EA0EE B    CF ISFMK6      2554013509740020PI + 03000                       0 NS
          SUSAP KSFMK6FI07   AENE   010ENE  K6D 0V       IF                                 18000                0 NS
          SUSAP KSFMK6FI07   AENE   020FACNOK6EA0EY      TF                             + 02400                      0 NS
          SUSAP KSFMK6FI07   AENE   030FACNOK6EA0EE AR   HF ENE K6      257601150754T010D  + 02300                      0 NS
          SUSAP KSFMK6FI07   AMHT   010MHT  K6D 0V  A    FC MHT K6      00000000051102850  + 03000     18000            0 NS
          SUSAP KSFMK6FI07   AMHT   020HAVANK6EA0EE B    CF ISFMK6      2554013505110020PI + 03000                       0 NS
          SUSAP KSFMK6FI07   APSM   010PSM  K6D 0V  A    FC PSM K6      0000000035020109D  + 03000     18000            0 NS
          SUSAP KSFMK6FI07   APSM   020HAVANK6EA0EE B    CF ISFMK6      2554013535020020PI + 03000                       0 NS
          SUSAP KSFMK6FI07   I      010HAVANK6EA0E  I    IF ISFMK6      25540135         PI J 0300002300018000                0 NS
          SUSAP KSFMK6FI07   I      020FACNOK6EA0E  F    CF ISFMK6      2554007407500061PI H 0230002300          -300ENE  K6D 0 NS
          SUSAP KSFMK6FI07   I      030RW07 K6PG0GY M    CF ISFMK6      2554001207500063PI   00297               -300        0 NS
          SUSAP KSFMK6FI07   I      040ENE  K6D 0VYM     DF                                 + 02500                      0 NS
          SUSAP KSFMK6FI07   I      050ENE  K6D 0VE  L   HM                   2620T010      + 02500                      0 NS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFMK6GRW07     0063890754 N43231201W070431108-0100     +00465002400000571501ISFM1

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

CITY AND STATE	ELEVATION: 244 THRE: 240	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SANFORD, ME	AIRPORT NAME: **SANFORD RGNL**	**I-SFM**	**ILS OR LOC RWY 7, AMDT 4** 05 MAY 2011	AMDT: **3B**
				DATED: **10/26/2006**

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.

```
SUSAP KSFMK6IISFM1   011150RW07 N43234833W0704150210754N43231508W0704255860624 11200571300W01705700235

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
SUSAP KSFMK6SENE  K6D               0   055145031251452350312523505501925                                                  M
```

CITY AND STATE	ELEVATION: 244 THRE: 240	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SANFORD, ME	AIRPORT NAME: SANFORD RGNL	I-SFM	ILS OR LOC RWY 7, AMDT 4 05 MAY 2011	AMDT: 3B DATED: 10/26/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CON	CON	010	IAF	FC		FB		097.4()	025.2	AA 03000	
	CON	HAVAN	020		CF		FB		097.4()	002.0	AA 03000	
	ENE	ENE	010		IF		FB					
	ENE	FACNO	020		TF		FO				AA 02400	
	ENE	FACNO	030	IAF	HF	R	FO		075.4()	T01.0	AA 02300	
	MHT	MHT	010	IAF	FC		FB		051.1()	028.5	AA 03000	
	MHT	HAVAN	020		CF		FB		051.1()	002.0	AA 03000	
	PSM	PSM	010	IAF	FC		FB		350.2()	010.9	AA 03000	
	PSM	HAVAN	020		CF		FB		350.2()	002.0	AA 03000	
		HAVAN	010	FACF	IF		FB				AA 03000 GI 02300	
		FACNO	020	FAF	CF		FB		075.0()	006.1	GI 02300 GS 02300	
		RW07	030	MAP	CF		FO		075.0()	006.3	AT 00297	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ENE	040		DF		FO				AA 02500	
	ENE	050		HM	L	FO		262.0()	T01.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CON	N431311.23	W0713431.63	N4313.187	W07134.527
	ENE	N432532.42	W0703648.69	N4325.540	W07036.812
	MHT	N425206.70	W0712210.31	N4252.112	W07122.172
	PSM	N430504.06	W0704955.15	N4305.068	W07049.919
	FACNO	N431953.71	W0705031.25	N4319.895	W07050.521
	HAVAN	N431640.94	W0705737.39	N4316.682	W07057.623
	RW07	N432312.01	W0704311.08	N4323.200	W07043.185
	ISFM (LOC)	N432348.33	W0704150.21	N4323.806	W07041.837

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW07	00240	57

CITY AND STATE	ELEVATION: 244 THRE: 240	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SANFORD, ME	AIRPORT NAME: **SANFORD RGNL**	**I-SFM**	**ILS OR LOC RWY 7, AMDT 4** 05 MAY 2011	AMDT: **3B**
				DATED: **10/26/2006**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ENE VORTAC	HAVAN (FO)	256.87 / 17.58	3000
CON VORTAC (IAF)	HAVAN (NOPT) (FB)	099.41 / 27.20	3000
MHT VOR/DME (IAF)	HAVAN (NOPT) (FB)	053.08 / 30.45	3000
HAVAN (IF/IAF)	FACNO (FB)	075.18 / 6.10	2300
FACNO (FAF)	XAWFE/2.30 NM TO RW07 (FB)	075.27 / 3.99	
XAWFE/2.30 NM TO RW07	RW07 (FO)	075.32	
RW07 (MAP)	440 MSL	075.32	
440 MSL	YEYUV (FB)		
YEYUV	ENE VORTAC (FO)	085.11 / 2.62	3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW07

CLIMB TO 3000 DIRECT YEYUV AND ON TRACK 085.11 TO ENE VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W HAVAN, RT, 075.18 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 075.27 FAF: FACNO DIST FAF TO MAP: 6.29 THLD: 6.29
4. MIN. ALT: HAVAN 3000, FACNO 2300, XAWFE/2.30 NM TO RW07 1020*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2300 GS ALT AT: FACNO 2300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.1 34:1 IS NOT CLEAR
8. MSA FROM: RW07 3600

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 242.00 INBOUND.
CHART FAS OBST: 579 TREES 432125N/0704542W
DISTANCE TO THLD FROM 200 HATH: 0.45 NM.
CHART VDP AT 1.72 MILES TO RW07*
*LNAV ONLY.
WAAS CHANNEL # 86921
REFERENCE PATH ID: W07A
LTP HAE: 46.5 M

MAG VAR: 17W EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	440	3/4	200	440	3/4	200	440	3/4	200	440	3/4	200			
LNAV/VNAV DA	650	1 3/8	410	650	1 3/8	410	650	1 3/8	410	650	1 3/8	410			
LNAV MDA	840	1	600	840	1	600	840	1 3/4	600	840	1 3/4	600			
CIRCLING	840	1	596	840	1	596	840	1 3/4	596	860	2	616			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 42C (107F).
@ 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 FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 244 THRE: 240 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SANFORD, ME	SANFORD RGNL	RNAV	RNAV (GPS) RWY 7, ORIG 05 MAY 2011	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.):
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ROCHESTER, NH ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCHESTER, NH ALTIMETER SETTING: INCREASE LPV DA TO 478; INCREASE LNAV/VNAV DA TO 699 AND VISIBILITY ALL CATS 1/8 MILE; INCREASE ALL MDA 40 FEET.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 244 THRE: 240	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SANFORD, ME	AIRPORT NAME: SANFORD RGNL	RNAV	RNAV (GPS) RWY 7, ORIG 05 MAY 2011	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	KSFM
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	432312.0110N
LTP/FTP LONGITUDE	0704311.0845W
LTP/FTP ELLIPSOIDAL HEIGHT	+00465
FPAP LATITUDE	432358.7600N
FPAP LONGITUDE	0704127.0400W
THRESHOLD CROSSING HEIGHT (TCH)	00057.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0800
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	9ADBBFC2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00731
FPAP ORTHOMETRIC HEIGHT	+00731

QUALITY CHECKED

CITY AND STATE	ELEVATION: 244 THRE: 240	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SANFORD, ME	AIRPORT NAME: SANFORD RGNL	RNAV	RNAV (GPS) RWY 7, ORIG 05 MAY 2011	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        CON   K6011290VTLA N43131123W071343163    N43131123W071343163W0150007151     NARCONCORD
SUSAD        ENE   K6011710VTH  N43253242W070364869    N43253242W070364869W0170001922     NARKENNEBUNK
SUSAD        MHT   K6011440VDL  N42520670W071221031    N42520670W071221031W0150004711     NARMANCHESTER

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
----------------------------------------------------------------------------------------------------------------------------------
SUSAEAENRT   FACNO K60    C     N43195371W070503125                    W0155     NAR          FACNO
SUSAEAENRT   HAVAN K60    C     N43164094W070573739                    W0154     NAR          HAVAN
SUSAEAENRT   XAWFE K60    C     N43215955W070455213                    W0156     NAR          XAWFE
SUSAEAENRT   YEYUV K60    W     N43243384W070400890                    W0156     NAR          YEYUV

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
----------------------------------------------------------------------------------------------------------------------------------
SUSAP KSFMK6ASFM     0      063YHN43233770W070422880W017000244          1800018000C     MNAR     SANFORD RGNL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
----------------------------------------------------------------------------------------------------------------------------------
SUSAP KSFMK6FR07    ACON    010CON  K6D 0V  A     IF                                                  18000                A JS
SUSAP KSFMK6FR07    ACON    020HAVANK6EA0EE B 010TF                    09940272     + 03000                                 A JS
SUSAP KSFMK6FR07    AENE    010ENE  K6D 0V       IF                                                  18000                A JS
SUSAP KSFMK6FR07    AENE    020HAVANK6EA0EY   020TF                    25690176     + 03000                                 A JS
SUSAP KSFMK6FR07    AENE    030HAVANK6EA0EE AR   HF                    07520040     + 03000                                 A JS
SUSAP KSFMK6FR07    AMHT    010MHT  K6D 0V  A     IF                                                  18000                A JS
SUSAP KSFMK6FR07    AMHT    020HAVANK6EA0EE B 010TF                    05310305     + 03000                                 A JS
SUSAP KSFMK6FR07    R       010HAVANK6EA0E  I     IF                                 + 03000          18000                A JS
SUSAP KSFMK6FR07    R       020FACNOK6EA1E  F 051TF                    07520061     + 02300                    RW07  K6PGA JS
SUSAP KSFMK6FR07    R       020FACNOK6EA2WALPV        ALNAV/VNAV ALNAV                                                      JS
SUSAP KSFMK6FR07    R       021XAWFEK6EA0E S  031TF                    07530040     V 0102001029         -300             A JS
SUSAP KSFMK6FR07    R       030RW07 K6PG0GY M 031TF                    07530023       00297              -300             A JS
SUSAP KSFMK6FR07    R       040          0  M     CA                   0753         + 00440                               A JS
SUSAP KSFMK6FR07    R       050YEYUVK6EA0E        DF                                                                      A JS
SUSAP KSFMK6FR07    R       060ENE  K6D 0VY   010TF                    0851         + 03000                               A JS
SUSAP KSFMK6FR07    R       070ENE  K6D 0VE  L   HM                    24200040     + 03000                               A JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 244 THRE: 240	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SANFORD, ME	AIRPORT NAME: SANFORD RGNL	RNAV	RNAV (GPS) RWY 7, ORIG 05 MAY 2011	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 KSFMK6GRW07     0063890754 N43231201W070431108-0100     +00465002400000571501

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KSFMK6PR07    RW07 001 0000W07A0N4323120110W07043110845+004650300N4323587600W0704127040010650080000571F4003509ADBBFC2
       SUSAP KSFMK6PR07    RW07 002E      +00731+00731LPV       86921

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP KSFMK6SRW07 K6PG               0   18018003625                                                              M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 244 THRE: 240	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SANFORD, ME	AIRPORT NAME: SANFORD RGNL	RNAV	RNAV (GPS) RWY 7, ORIG 05 MAY 2011	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
CON VORTAC	GUNTY (FO)	087.81 / 50.26	3000
MHT VOR/DME	GUNTY (FO)	062.74 / 53.71	2400
SAPPE (IAF)	GUNTY (NOPT) (FB)	263.81 / 20.75	2400
GUNTY (IF/IAF)	ZIRMU (FB)	255.51 / 6.10	1800
ZIRMU (FAF)	RW25 (FO)	255.43 / 4.76	
RW25 (MAP)	1000 MSL	255.43	1000
1000 MSL	GUNTY (FO)		2400

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW25

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2400 DIRECT GUNTY AND HOLD.

ADDITIONAL FLIGHT DATA:

FAS OBST: 419 AAO 432541N/0703815W
DISTANCE TO THLD FROM 263 HATH: 0.66 NM.
WAAS CHANNEL # 53521
REFERENCE PATH ID: W25A
LTP HAE: 44.3 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E GUNTY, RT, 255.51 INBOUND, 2400 FT. IN LIEU OF PT (IAF)
3. FAC: 255.43 FAF: ZIRMU DIST FAF TO MAP: 4.76 THLD: 4.76
4. MIN. ALT: GUNTY 2400, ZIRMU 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: ZIRMU 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR
8. MSA FROM: RW25 3600

MAG VAR: 17W EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	496	1	263	496	1	263	496	1	263	496	1	263			
LNAV/VNAV DA	675	1 3/8	442	675	1 3/8	442	675	1 3/8	442	675	1 3/8	442			
LNAV MDA	680	1	447	680	1	447	680	1 1/8	447	680	1 1/8	447			
CIRCLING	760	1	516	760	1	516	760	1 1/2	516	860	2	616			

NOTES:
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 25 PROCEDURE NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: BARO-VNAV NA WHEN USING ROCHESTER, NH ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 42C (107F).
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 244 THRE: 233 AIRPORT NAME:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SANFORD, ME	SANFORD RGNL		RNAV (GPS) RWY 25, ORIG 05 MAY 2011	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.):
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV OR LNAV CATS A/B.
CHART NOTE: FOR INOPERATIVE ODALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2 AND LNAV CATS C/D VISIBILITY TO 1 3/8.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCHESTER, NH ALTIMETER SETTING: INCREASE LPV DA TO 534; INCREASE LNAV/VNAV DA TO 713 AND VISIBILITY ALL CATS 1/8 MILE; INCREASE ALL MDA 40 FEET AND LNAV CATS C/D VISIBILITY 1/8 MILE; FOR INOPERATIVE ODALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 5/8 AND LNAV CATS C/D VISIBILITY TO 1 3/8.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MHT VOR/DME ON V106 SOUTHWEST BOUND AND AT SAPPE ON V268 NORTHEAST BOUND.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 244 THRE: 233	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SANFORD, ME	AIRPORT NAME: SANFORD RGNL	RNAV	RNAV (GPS) RWY 25, ORIG 05 MAY 2011	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	KSFM
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	432343.0930N
LTP/FTP LONGITUDE	0704201.9005W
LTP/FTP ELLIPSOIDAL HEIGHT	+00443
FPAP LATITUDE	432256.3400N
FPAP LONGITUDE	0704345.9300W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	8F07F0EF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00709
FPAP ORTHOMETRIC HEIGHT	+00709

QUALITY CHECKED

CITY AND STATE	ELEVATION: 244 THRE: 233	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SANFORD, ME	AIRPORT NAME: SANFORD RGNL	RNAV	RNAV (GPS) RWY 25, ORIG 05 MAY 2011	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAD         CON   K6011290VTLA N43131123W071343163    N43131123W071343163W0150007151     NARCONCORD
        SUSAD         MHT   K6011440VDL  N42520670W071221031    N42520670W071221031W0150004711     NARMANCHESTER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT    GUNTY K60     W      N43292430W070291948                      W0158     NAR           GUNTY
        SUSAEAENRT    SAPPE K60     C    L N43373755W070030743                      W0160     NAR           SAPPE
        SUSAEAENRT    ZIRMU K60     W      N43261273W070362821                      W0157     NAR           ZIRMU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFMK6ASPM      0      063YHN43233770W070422880W017000244         1800018000C    MNAR    SANFORD RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFMK6FR25    ACON    010CON  K6D 0V       IF                                                 18000                A JS
        SUSAP KSFMK6FR25    ACON    020GUNTYK6EA0EY   020TF                    08780503    + 03000                                A JS
        SUSAP KSFMK6FR25    ACON    030GUNTYK6EA0EE AR   HF                    25550040    + 02400                                A JS
        SUSAP KSFMK6FR25    AMHT    010MHT  K6D 0V       IF                                                 18000                A JS
        SUSAP KSFMK6FR25    AMHT    020GUNTYK6EA0EY   020TF                    06270537    + 02400                                A JS
        SUSAP KSFMK6FR25    AMHT    030GUNTYK6EA0EE AR   HF                    25550040    + 02400                                A JS
        SUSAP KSFMK6FR25    ASAPPE  010SAPPEK6EA0E  A    IF                                                 18000                A JS
        SUSAP KSFMK6FR25    ASAPPE  020GUNTYK6EA0EE B 010TF                    26380208    + 02400                                A JS
        SUSAP KSFMK6FR25    R       010GUNTYK6EA0E  I    IF                                + 02400          18000                A JS
        SUSAP KSFMK6FR25    R       020ZIRMUK6EA1E  F 051TF                    25550061    + 01800                    RW25  K6PGA JS
        SUSAP KSFMK6FR25    R       020ZIRMUK6EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
        SUSAP KSFMK6FR25    R       030RW25 K6PG0GY M 031TF                    25540048      00285                -300          A JS
        SUSAP KSFMK6FR25    R       040         0  M     CA                    2554        + 01000                                A JS
        SUSAP KSFMK6FR25    R       050GUNTYK6EA0EY  L   DF                                + 02400                                A JS
        SUSAP KSFMK6FR25    R       060GUNTYK6EA0EE  R   HM                    25550040    + 02400                                A JS
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 244 THRE: 233	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SANFORD, ME	AIRPORT NAME: SANFORD RGNL	RNAV	RNAV (GPS) RWY 25, ORIG 05 MAY 2011	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    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFMK6GRW25     0063892554 N43234309W070420190+0100     +0044300233038852150R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFMK6PR25    RW25 001 0000W25A0N4323430930W07042019005+004430300N4322563400W07043459300106750920000520F4005008F07F0EF
          SUSAP KSFMK6PR25    RW25 002E       +00709+00709LPV       53521

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KSFMK6SRW25 K6PG                0   18018003625                                                              M
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 244 THRE: 233	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SANFORD, ME	AIRPORT NAME: SANFORD RGNL	RNAV	RNAV (GPS) RWY 25, ORIG 05 MAY 2011	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
SANFORD, ME	SANFORD RGNL	05 MAY 2011	3

TAKEOFF MINIMUMS:

RWY 7, 14, 25 STANDARD.

RWY 32, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 375 FT PER NM TO 500.

TEXTUAL DEPARTURE PROCEDURES:

RWY 25 – CLIMB HEADING 255.37 TO 1100 BEFORE TURNING RIGHT.

RWY 32 – CLIMB HEADING 330.91 TO 1600 BEFORE TURNING LEFT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 7, VEHICLES ON ROAD, ANTENNA, LIGHT SUPPORT STRUCTURE, TRANSMISSION TOWER, AND TREES BEGINNING 62 FT FROM DER, 4 FT LEFT OF CENTERLINE, UP TO 69 FT AGL/309 FT MSL. TREES BEGINNING 220 FT FROM DER, 19 FT RIGHT OF CENTERLINE, UP TO 72 FT AGL/311 FT MSL.

NOTE: RWY 14, TREES BEGINNING 149 FT FROM DER, 320 FT LEFT OF CENTERLINE, UP TO 55 FT AGL/294 FT MSL. BUSHES AND TREES BEGINNING 93 FT FROM DER, 260 FT RIGHT OF CENTERLINE, UP TO 81 FT AGL/320 FT MSL.

NOTE: RWY 25, TREES BEGINNING 118 FT FROM DER, 511 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/379 FT MSL. TREES BEGINNING 245 FT FROM DER, 476 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/321 FT MSL.

NOTE: RWY 32, TREES BEGINNING 763 FT FROM DER, 58 FT LEFT OF CENTERLINE, UP TO 77 FT AGL/396 FT MSL. POLE AND TREES BEGINNING 332 FT FROM DER, 59 FT RIGHT OF CENTERLINE, UP TO 92 FT AGL/381 FT MSL. TREES 3269 FT FROM DER, 1226 FT LEFT OF CENTERLINE, UP TO 72 FT AGL/401 FT MSL. TREES 4667 FT FROM DER, 1225 FT LEFT OF CENTERLINE, UP TO 82 FT AGL/431 FT MSL. TREES 5473 FT FROM DER, 1013 FT LEFT OF CENTERLINE, UP TO 67 FT AGL/416 FT MSL.

CONTROLLING OBSTACLES:

RWY 32: 401 FT MSL TREES 432406.23N/0704338.30W. 431 FT MSL TREES 432412.91N/0704354.87W. 416 FT MSL TREES 432418.60N/0704403.04W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:
RWY 25 – 979 FT MSL TREES 432302.80N/0704704.80W.

RWY 32 – 1165 FT MSL TOWER 432500.30N/0704815.20W.

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ENE VORTAC	BYREN INT/ENE 11.20 DME	260.31 / 11.20	2400
MHT VOR/DME (IAF)	SLEPY INT/ENE 21.00 DME (NOPT)	045.96 / 27.95	2700
SLEPY INT/ENE 21.00 DME (IF)	BYREN INT/ENE 11.20 DME	080.31 / 9.80 (ENE R-260)	2200

MISSED APPROACH

MAP: 6.00 MILES AFTER BYREN INT/ENE 11.20 DME OR AT ENE 5.20 DME FIX

CLIMB TO 2400 DIRECT ENE VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 262.00 INBOUND.
CHART FAS OBST: 979 TREES 432303N/0704705W
CHART VDP AT 8.18 DME;
DISTANCE VDP TO THLD 2.98 MILES.
BYREN TO RW07: 3.00/53.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W BYREN, RT, 080.31 INBOUND, 2400 FT. IN LIEU OF PT (IAF)
3. FAC 080.31 FAF BYREN INT/ENE 11.20 DME DIST FAF TO MAP 6.00 THLD 6.00
4. MIN. ALT BYREN 2200
8. MSA FROM: ENE VORTAC 055-235 1900, 235-325 3100, 325-055 3100

MAG VAR: 17W EPOCH YEAR:1970

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-7	1240	1 1/4	1000	1240	1 1/2	1000	1240	3	1000	1240	3	1000			
CIRCLING	1240	1 1/4	996	1240	1 1/2	996	1240	3	996	1240	3	996			

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCHESTER, NH ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MHT VOR/DME ON V141 SOUTHBOUND.

@ CAT A, B 1000-2, CAT C, D 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 244 THRE: 240 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR OR GPS RWY 7
SANFORD, ME	SANFORD RGNL	ENE	VOR RWY 7, AMDT 4 05 MAY 2011	AMDT 3B
				DATE 11/16/1989

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

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP: 4.22 MILES AFTER ENE VORTAC OR AT ENE 4.22 DME FIX

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2000 DIRECT ENE VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 379 TREES 432454N/0704128W
ENE VORTAC TO RW25: 3.17/47.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E ENE VORTAC, LT, 261.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC 261.44 FAF ENE VORTAC DIST FAF TO MAP 4.22 THLD 4.22
4. MIN. ALT ENE VORTAC 1700
8. MSA FROM: ENE VORTAC 055-235 1900, 235-325 3100, 325-055 3600

MAG VAR: 17W EPOCH YEAR:1970

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-25	640	1	407	640	1	407	640	1	407	640	1	407			
CIRCLING	760	1	516	760	1	516	760	1 1/2	516	860	2	616			

NOTES:

CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 25 PROCEDURE NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-25 CATS A/B.
CHART NOTE: FOR INOPERATIVE ODALS, INCREASE S-25 CATS C/D VISIBILITY TO 1 1/8.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 244 THRE: 233	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
SANFORD, ME	AIRPORT NAME: SANFORD RGNL	ENE	VOR RWY 25, AMDT 14 05 MAY 2011	AMDT 13C
				DATE 11/16/1989

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23

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NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCHESTER, NH ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND S-25 CATS C/D VISIBILITY 1/8 MILE; FOR INOPERATIVE ODALS, INCREASE S-25 CATS C/D VISIBILITY TO 1 3/8.

CITY AND STATE	ELEVATION: 244 THRE: 233	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SANFORD, ME	AIRPORT NAME: SANFORD RGNL	ENE	VOR RWY 25, AMDT 14 05 MAY 2011	AMDT: 13C
				DATED: 11/16/1989

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
BATTLE CREEK, MI	W. K. KELLOGG	05 MAY 2011	3

TAKEOFF MINIMUMS:

RWY 5R, 23L NA – ENVIRONMENTAL.

RWY 5L, 13, 23R, 31 STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5L, TREES BEGINNING 1590 FT FROM DER, 484 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/999 FT MSL. VEHICLE ON ROAD 896 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, 17 FT AGL/956 FT MSL.

NOTE: RWY 13, VEHICLES ON ROAD 480 FT FROM DER, ON CENTERLINE, 15 FT AGL/945 FT MSL. TREES BEGINNING 800 FT FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 102 FT AGL/1021 FT MSL. TREES AND FENCE BEGINNING 193 FT FROM DER, 31 FT LEFT OF CENTERLINE, UP TO 101 FT AGL/1030 FT MSL.

NOTE: RWY 23R, TREES BEGINNING 1995 FT FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 103 FT AGL/1072 FT MSL. TREES BEGINNING 2065 FT FROM DER, 25 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/1049 FT MSL.

NOTE: RWY 31, TREES AND TOWER BEGINNING 1797 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 166 FT AGL/1058 FT MSL. TREES AND RAILROAD BEGINNING 14 FT FROM DER, 116 FT LEFT OF CENTERLINE, UP TO 68 FT AGL/977 FT MSL.

CONTROLLING OBSTACLES:

REMARKS:

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS OR VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

ALTERNATE: N A

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 5 May 2011

QUALITY CHECKED

CITY AND STATE	ELEVATION: 750 TDZE: 743 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
NILES, MI	JERRY TYLER MEML	GIJ	VOR OR GPS RWY 4, AMDT 7A	SUP VOR RWY 3 AMDT 7 DATE 05/03/1990

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS OR VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

ALTERNATE: N A

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 5 May 2011

QUALITY CHECKED

CITY AND STATE	ELEVATION: 750 TDZE: 743	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR RWY 21
NILES, MI	AIRPORT NAME: JERRY TYLER MEML	GIJ	VOR OR GPS RWY 22, AMDT 3A	AMDT 3
				DATE 05/03/1990

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
DRAIL (IAF)	HUBEV (NOPT) (FB)	019.80 / 9.25	3000
MAYER (IAF)	HUBEV (NOPT) (FB)	059.72 / 6.25	3000
JONNA (IAF)	HUBEV (NOPT) (FB)	324.61 / 10.76	3000
HUBEV (IF/IAF)	YABFE (FB)	359.76 / 6.10	2600
YABFE (FAF)	RW36 (MAP) (FO)	359.76 / 5.04	
RW36 (MAP)	1368 MSL	359.76	
1368 MSL	ZIKPO (FB)		
ZIKPO	SODIE (FO)	346.70 / 6.00	3400

MISSED APPROACH

LNAV: RW36

CLIMB TO 3400 DIRECT ZIKPO AND ON TRACK 346.70 TO SODIE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 117.00 INBOUND.
FAS OBST: 1209 AAO 450648N/0935103W
YABFE TO RW36: 3.00/40.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S HUBEV, RT, 359.76 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 359.76 FAF: YABFE DIST FAF TO MAP: 5.04 THLD: 5.04
4. MIN. ALT: HUBEV 3000, YABFE 2600
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW36 3500

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	1460	1	506	1460	1	506	1460	1 3/8	506		NA				
CIRCLING	1460	1	492	1460	1	492	1540	1 1/2	572		NA				

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MAPLE LAKE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, LNAV CAT C AND CIRC CAT C VISIBILITY 1/4 MILE.
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 968 THRE: 954 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BUFFALO, MN	BUFFALO MUNI	RNAV	RNAV (GPS) RWY 36, ORIG 05 MAY 2011	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: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DRAIL ON V412 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAYER ON V148 SOUTHWEST BOUND.

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 968 THRE: 954	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BUFFALO, MN	AIRPORT NAME: BUFFALO MUNI	RNAV	RNAV (GPS) RWY 36, ORIG 05 MAY 2011	AMDT: NONE DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   DRAIL K30    C   L N44492916W093552619                    E0013    NAR          DRAIL
          SUSAEAENRT   HUBEV K30    W     N44580773W093504870                    E0012    NAR          HUBEV
          SUSAEAENRT   JONNA K30    C   L N44491561W093421516                    E0011    NAR          JONNA
          SUSAEAENRT   MAYER K30    C   L N44550477W093582908                    E0013    NAR          MAYER
          SUSAEAENRT   SODIE K30    C   L N45220748W093521711                    E0012    NAR          SODIE
          SUSAEAENRT   YABFE K30    W     N45041342W093504187                    E0012    NAR          YABFE
          SUSAEAENRT   ZIKPO K30    W     N45161589W093502832                    E0012    NAR          ZIKPO

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCFEK3ACFE     0     032YHN45093178W093503591E001000968         1800018000C    MNAR    BUFFALO MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCFEK3FR36   ADRAIL 010DRAILK3EA0E  A    IF                                          18000                B JS
          SUSAP KCFEK3FR36   ADRAIL 020HUBEVK3EA0EE B 010TF                    01980093    + 03000                      B JS
          SUSAP KCFEK3FR36   AHUBEV 010HUBEVK3EA0EE AR   HF                    35980040    + 03000     18000            B JS
          SUSAP KCFEK3FR36   AJONNA 010JONNAK3EA0E  A    IF                                          18000            B JS
          SUSAP KCFEK3FR36   AJONNA 020HUBEVK3EA0EE B 010TF                    32460108    + 03000                      B JS
          SUSAP KCFEK3FR36   AMAYER 010MAYERK3EA0E  A    IF                                          18000            B JS
          SUSAP KCFEK3FR36   AMAYER 020HUBEVK3EA0EE B 010TF                    05970063    + 03000                      B JS
          SUSAP KCFEK3FR36   R      010HUBEVK3EA0E  I    IF                                + 03000     18000            B JS
          SUSAP KCFEK3FR36   R      020YABFEK3EA1E  F 051TF                    35980061    + 02600                RW36  K3PGB JS
          SUSAP KCFEK3FR36   R      020YABFEK3EA2WN         N         ALNAV                                                JS
          SUSAP KCFEK3FR36   R      030RW36 K3PG0GY M 031TF                    35980050      00994          -300           B JS
          SUSAP KCFEK3FR36   R      040         0  M     CA                    3598        + 01368                      B JS
          SUSAP KCFEK3FR36   R      050ZIKPOK3EA0E       DF                                                            B JS
          SUSAP KCFEK3FR36   R      060SODIEK3EA0EY   010TF                    3467        + 03400                      B JS
          SUSAP KCFEK3FR36   R      070SODIEK3EA0EE  R   HM                    11700040    + 03400                      B JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCFEK3GRW36    0032003598 N45091599W093503621+0400    +02630009540000040075R
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 968 THRE: 954	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BUFFALO, MN	AIRPORT NAME: BUFFALO MUNI	RNAV	RNAV (GPS) RWY 36, ORIG 05 MAY 2011	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
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCFEK3SRW36 K3PG              0   18018003525                                                          M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 968 THRE: 954	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BUFFALO, MN	AIRPORT NAME: BUFFALO MUNI	RNAV	RNAV (GPS) RWY 36, ORIG 05 MAY 2011	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
GEP VORTAC (IAF)	LORDY INT/GEP 14.94 DME (NOPT)	266.01 / 14.94	2700

MISSED APPROACH

MAP: 5.04 MILES AFTER LORDY INT/GEP VORTAC 14.94 DME OR AT MAHRI/GEP 19.97 DME FIX

CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 3600 VIA GEP VORTAC R-266 TO LORDY INT/GEP VORTAC 14.94 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 266.01 INBOUND.
FAS OBST: 1279 AAO 450815N/0934450W
FAC CROSSES MID POINT OF RWY 18-36.

1. PT L SIDE OF COURSE 086.01 OUTBOUND 2700 FT WITHIN 10 MILES OF LORDY (IAF)
2.
3. FAC 266.01 FAF LORDY INT/GEP 14.94 DME DIST FAF TO MAP 5.04 THLD
4. MIN. ALT LORDY 2700
8. MSA FROM: GEP VORTAC 3500

MAG VAR: 6E EPOCH YEAR: 1965

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A CIRCLING: 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	1580	1	612	1580	1	612	1580	1 3/4	612		NA				

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MAPLE LAKE ALTIMETER SETTING.
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON GEP VORTAC AIRWAY RADIALS 236 CW 315.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 968 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
BUFFALO, MN	BUFFALO MUNI	GEP	VOR-A, ORIG 05 MAY 2011	AMDT NONE DATE

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS OR 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 05 MAY 2011

QUALITY CHECKED

CITY AND STATE	ELEVATION: 967 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
BUFFALO, MN	BUFFALO MUNI	GEP	VOR OR GPS-B, AMDT 4, 01/18/2007	AMDT 3
				DATE 04/07/1988

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: 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 CANCELLED EFFECTIVE 05 MAY 2011

QUALITY CHECKED

CITY AND STATE	ELEVATION: 819 TDZE: 819	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
HALLOCK, MN	AIRPORT NAME: HALLOCK MUNI	GPS	GPS RWY 31, ORIG, 08/12/1999	AMDT NONE
				DATE

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WAHSU (IF/IAF)	OKIFO (FB)	315.04 / 6.82	2400
OKIFO (FAF)	WIKBU/1.90 NM TO RW31 (FB)	314.96 / 2.92	
WIKBU/1.90 NM TO RW31	RW31 (MAP) (FO)	314.92 / 1.90	
RW31 (MAP)	1219 MSL	314.92	
1219 MSL	HUTLU (FB)		
HUTLU	HML VORTAC (FO)	306.34 / 5.18	2600

MISSED APPROACH

LNAV: RW31

CLIMB TO 2600 DIRECT HUTLU AND ON TRACK 306.34 TO HML VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 126.34 INBOUND.
CHART FAS OBST: 949 TREE 484441N/0965510W
CHART 1054 AAO 484229N/0965120W.
OKIFO TO RW31: 3.02/40.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE WAHSU, RT, 315.04 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 314.96 FAF: OKIFO DIST FAF TO MAP: 4.81 THLD: 4.81
4. MIN. ALT: OKIFO 2400, WIKBU/1.90 NM TO RW31 1460
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: ____

MAG VAR: 5E EPOCH YEAR: 2000

MINIMUMS

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

CATEGORY ====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1220	1	401	1220	1	401	1220	1 1/8	401		NA				
CIRCLING	1380	1	561	1380	1	561	1380	1 1/2	561		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 819 THRE: 819 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HALLOCK, MN	HALLOCK MUNI	RNAV	RNAV (GPS) RWY 31, ORIG 05 MAY 2011	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: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRAND FORKS, ND ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET, INCREASE LNAV CAT C VISIBILITY 3/8 MILE AND CIRCLING CAT C VISIBILITY 1/2 MILE.

TAA

	FROM	TO	ALT
1.	225/30 CW 045/30 (NOPT)	WAHSU (IF/IAF) (FB)	2700
2.	225/5 CW 045/5	WAHSU (IF/IAF) (FB)	2600
3.	045/30 CW 225/30	WAHSU (IF/IAF) (FB)	2600

QUALITY CHECKED

CITY AND STATE	ELEVATION: 819 THRE: 819	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HALLOCK, MN	AIRPORT NAME: HALLOCK MUNI	RNAV	RNAV (GPS) RWY 31, ORIG 05 MAY 2011	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        HML   K3011240VTH  N48520905W097070153    N48520905W097070453E0090008002     NARHUMBOLDT

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   HUTLU K30    W     N48484395W097010791                    E0037     NAR           HUTLU
          SUSAEAENRT   OKIFO K30    W     N48411346W096513423                    E0036     NAR           OKIFO
          SUSAEAENRT   WAHSU K30    W     N48360018W096445757                    E0035     NAR           WAHSU
          SUSAEAENRT   WIKBU K30    W     N48432760W096542465                    E0036     NAR           WIKBU

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KHCOK3AHCO     0     040YHN48450983W096563481E005000819         1800018000C    MNAR    HALLOCK MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KHCOK3FR31   AWAHSU 010WAHSUK3EA0EE AR   HF                    31500040    + 02600     18000                B JS
          SUSAP KHCOK3FR31   R      010WAHSUK3EA0E  I    IF                                + 02600     18000                B JS
          SUSAP KHCOK3FR31   R      020OKIFOK3EA1E  F 051TF                    31500068    + 02400                          B JS
          SUSAP KHCOK3FR31   R      020OKIFOK3EA2WN          N          ALNAV                                                JS
          SUSAP KHCOK3FR31   R      021WIKBUK3EA0E S  031TF                    31500029    V 0146001464        -302         B JS
          SUSAP KHCOK3FR31   R      030RW31 K3PG0GY M 031TF                    31490019      00859             -302         B JS
          SUSAP KHCOK3FR31   R      040         0  M  010CA                    3149        + 01219                          B JS
          SUSAP KHCOK3FR31   R      050HUTLUK3EA0E    010DF                                                                B JS
          SUSAP KHCOK3FR31   R      060HML  K3D 0VY   010TF                    3063        + 02600                          B JS
          SUSAP KHCOK3FR31   R      070HML  K3D 0VE  R020HM                    12630040    + 02600                          B JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KHCOK3GRW31    0040073149 N48445475W096561555+0000    +02229008190000040075R
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CITY AND STATE	ELEVATION: 819 THRE: 819	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HALLOCK, MN	AIRPORT NAME: HALLOCK MUNI	RNAV	RNAV (GPS) RWY 31, ORIG 05 MAY 2011	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
HALLOCK, MN	HALLOCK MUNI	05 MAY 2011	ORIG

TAKEOFF MINIMUMS:

RWY 13, 31 STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13 TREE 1076 FEET FROM DER, 620 FEET RIGHT OF CENTERLINE, 100 FEET AGL/919 FEET MSL. TREES BEGINNING 81 FEET FROM DER, FROM 472 FEET LEFT OF CENTERLINE, UP TO 100 FEET AGL/919 FEET MSL. NOTE: RWY 31 TREE 1668 FEET FROM DER, 560 FEET RIGHT OF CENTERLINE, 100 FEET AGL/919 FEET MSL.

CONTROLLING OBSTACLES:

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

ALTERNATE: N A

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 05 MAY 2011

CITY AND STATE	ELEVATION: 1122 TDZE: 1122	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
LITTLE FALLS, MN	AIRPORT NAME: LITTLE FALLS/MORRISON CO-LINDBERGH FLD	GPS	GPS RWY 31, ORIG-A, 05/20/1999	AMDT ORIG
				DATE 05/20/1999

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SIYON	URENE (FO)	045.08 / 9.22	4000
GOLLF (IAF)	URENE (NOPT) (FB)	280.11 / 18.85	4000
DAYLE (IAF)	URENE (NOPT) (FB)	320.69 / 14.95	4000
URENE (IF/IAF)	TUNCI (FB)	307.78 / 6.12	2800
TUNCI (FAF)	RW31 (MAP) (FO)	307.71 / 5.05	
RW31 (MAP)	1517 MSL	307.71	
1517 MSL	ZUGUT (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 3000 DIRECT ZUGUT AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 127.64 INBOUND.
CHART FAS OBST: 1409 TREE 455617N/0941824W
CHART R-4301.
DISTANCE TO THLD FROM 394 HATH: 1.09 NM.
WAAS CHANNEL # 93920
REFERENCE PATH ID: W31A
LTP HAE: 315.6 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE URENE, RT, 307.78 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 307.71 FAF: TUNCI DIST FAF TO MAP: 5.05 THLD: 5.05
4. MIN. ALT: URENE 4000, TUNCI 2800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: TUNCI 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM: RW31 3300

MAG VAR: 3E EPOCH YEAR: 1995

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/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	1517	1 3/8	394	1517	1 3/8	394	1517	1 3/8	394	1517	1 3/8	394			
LNAV/VNAV DA	1749	2 1/4	626	1749	2 1/4	626	1749	2 1/4	626	1749	2 1/4	626			
LNAV MDA	1660	1	537	1660	1	537	1660	1 1/2	537	1660	1 1/2	537			
CIRCLING	1700	1	577	1720	1	597	1720	1 1/2	597	2000	2 3/4	877			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING ST CLOUD ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 32C (89F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1123 THRE: 1123 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LITTLE FALLS, MN	LITTLE FALLS/MORRISON COUNTY-LINDBERGH FLD	RNAV	RNAV (GPS) RWY 31, ORIG 05 MAY 2011	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 alport 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 GOLLF ON V82-161 SOUTHBOUND, AND ARRIVALS AT SIYON ON V-510 WESTBOUND, AND ARRIVALS AT DAYLE ON V413 SOUTHBOUND.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEVIED USE ST CLOUD ALTIMETER SETTING AND INCREASE ALL DA 76 FEET AND ALL MDA 80 FEET, INCREASE LPV ALL CATS AND CIRCLING CAT C VISIBILITY 1/2 MILE AND LNAV/VNAV ALL CATS, LNAV CATS C/D, AND CIRCLING CAT D 1/4 MILE.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
LITTLE FALLS, MN	**ELEVATION: 1123** **THRE: 1123** AIRPORT NAME: **LITTLE FALLS/MORRISON COUNTY-LINDBERGH FLD**	**RNAV**	**RNAV (GPS) RWY 31, ORIG** 05 MAY 2011	SUP: AMDT: **NONE** DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLXL
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	455643.6350N
LTP/FTP LONGITUDE	0942020.9360W
LTP/FTP ELLIPSOIDAL HEIGHT	+03156
FPAP LATITUDE	455741.6400N
FPAP LONGITUDE	0942157.8600W
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	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F28D3608

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03422
FPAP ORTHOMETRIC HEIGHT	+03422

CITY AND STATE	ELEVATION: 1123 THRE: 1123	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LITTLE FALLS, MN	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 31, ORIG	AMDT: NONE
	LITTLE FALLS/MORRISON COUNTY-LINDBERGH FLD		05 MAY 2011	DATED:

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

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   DAYLE K30    C   L N45372475W093553420                    E0012     NAR          DAYLE
        SUSAEAENRT   GOLLF K30    C   B N45451309W093415821                    E0010     NAR          GOLLF
        SUSAEAENRT   SIYON K30    R   L N45431734W094180262                    E0015     NAR          SIYON
        SUSAEAENRT   TUNCI K30    W     N45532604W094145148                    E0015     NAR          TUNCI
        SUSAEAENRT   URENE K30    W     N45492661W094081372                    E0014     NAR          URENE
        SUSAEAENRT   ZUGUT K30    W     N46071516W094380129                    E0018     NAR          ZUGUT

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLXLK3ALXL     0     040YHN45565790W094204940E003001123          1800018000C    MNAR    LITTLE FALLS/MORRISON COUNTY-L

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLXLK3FR31   ADAYLE 010DAYLEK3EA0E  A    IF                                          18000                A JS
        SUSAP KLXLK3FR31   ADAYLE 020URENEK3EA0EE B 010TF                    32070150    + 04000                      A JS
        SUSAP KLXLK3FR31   AGOLLF 010GOLLFK3EA0E  A    IF                                          18000                A JS
        SUSAP KLXLK3FR31   AGOLLF 020URENEK3EA0EE B 010TF                    28010189    + 04000                      A JS
        SUSAP KLXLK3FR31   ASIYON 010SIYONK3EA0E       IF                                          18000                A JS
        SUSAP KLXLK3FR31   ASIYON 020URENEK3EA0EY   020TF                    04510092    + 04000                      A JS
        SUSAP KLXLK3FR31   ASIYON 030URENEK3EA0EE AR   HF                    30780040    + 04000                      A JS
        SUSAP KLXLK3FR31   R       010URENEK3EA0E  I    IF                                + 04000    18000             A JS
        SUSAP KLXLK3FR31   R       020TUNCIK3EA1E  F 051TF                    30780061    + 02800          RW31  K3PGA JS
        SUSAP KLXLK3FR31   R       020TUNCIK3EA2WALPV       ALNAV/VNAV ALNAV                                          JS
        SUSAP KLXLK3FR31   R       030RW31 K3PG0GY M 031TF                    30770051      01168        -300        A JS
        SUSAP KLXLK3FR31   R       040         0  M     CA                    3077        + 01517                   A JS
        SUSAP KLXLK3FR31   R       050ZUGUTK3EA0EY       DF                              + 03000                   A JS
        SUSAP KLXLK3FR31   R       060ZUGUTK3EA0EE  R    HM                    12760040    + 03000                   A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLXLK3GRW31    0040113076 N45564364W094202094-0100    +03156011230000045077R
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1123 THRE: 1123	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LITTLE FALLS, MN	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 31, ORIG	AMDT: NONE
	LITTLE FALLS/MORRISON COUNTY-LINDBERGH FLD		05 MAY 2011	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 KLXLK3PR31   RW31 001 0000W31A0N4556436350W09420209360+031560300N4557416400W094215786001067515280004 50F400500F28D3608
    SUSAP KLXLK3PR31   RW31 002E      +03422+03422LPV       93920

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KLXLK3SRW31 K3PG              0   18018003325                                                                  M
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CITY AND STATE	ELEVATION: 1123 THRE: 1123	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NC./EFFECTIVE DATE:	SUP:
LITTLE FALLS, MN	AIRPORT NAME: LITTLE FALLS/MORRISON COUNTY-LINDBERGH FLD	RNAV	RNAV (GPS) RWY 31, ORIG 05 MAY 2011	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: 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 05 MAY 2011

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1180 TDZE: 1180	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MARSHALL, MN	AIRPORT NAME: SOUTHWEST MINNESOTA RGNL MARSHALL/RYAN *	GPS	GPS RWY 30, ORIG-A, 02/21/2002	AMDT ORIG
				DATE 14 AUG 1997

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PILIY (IAF)	BOPMY (NOPT) (FB)	264.53 / 8.64	3000
ZERAD (IAF)	BOPMY (NOPT) (FB)	002.77 / 6.43	3000
BOPMY (IF/IAF)	OHEXE (FB)	305.06 / 6.20	2800
OHEXE (FAF)	WUSKA/2.20 NM TO RW30 (FB)	304.98 / 2.77	
WUSKA/2.20 NM TO RW30	RW30 (MAP) (FO)	304.95 / 2.20	
RW30 (MAP)	1429 MSL	304.98	
1429 MSL	PELBE (FO)		3200

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW30

CLIMB TO 3200 DIRECT PELBE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE BOPMY, RT, 305.06 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 304.98 FAF: OHEXE DIST FAF TO MAP: 4.97 THLD: 4.97
4. MIN. ALT: BOPMY 3000, OHEXE 2800, WUSKA/2.20 NM TO RW30 1900*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: OHEXE 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW30 3800

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 124.76 INBOUND.
CHART FAS OBST: 1330 TOWER 442502N/0954706W
DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
CHART VDP AT 1.16 MILES TO RW30*
*LNAV ONLY.
WAAS CHANNEL # 86321
REFERENCE PATH ID: W30A
LTP HAE: 332.4 M

MAG VAR: 5E EPOCH YEAR: 1995

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1429	7/8	250	1429	7/8	250	1429	7/8	250	1429	7/8	250			
LNAV/VNAV DA	1463	7/8	284	1463	7/8	284	1463	7/8	284	1463	7/8	284			
LNAV MDA	1580	1	401	1580	1	401	1580	1 1/8	401	1580	1 1/8	401			
CIRCLING	1640	1	457	1640	1	457	1640	1 1/2	457	1740	2	557			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 36C (96F).
@ 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: VDP NA WITH TRACY ALTIMETER SETTING.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1183 THRE: 1179 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALL, MN	SOUTHWEST MINNESOTA RGNL MARSHALL/RYAN FLD	RNAV	RNAV (GPS) RWY 30, ORIG 05 MAY 2011	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.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TRACY ALTIMETER SETTING AND INCREASE ALL DA 58 FEET AND ALL MDA 60 FEET, AND LPV VISIBILITY ALL CATS 1/8 MILE, LNAV/VNAV VISIBILITY ALL CATS 1/4 MILE, AND LNAV CAT C AND D VISIBILITY 1/4 MILE.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE:BARO VNAV NA WHEN USING TRACY ALTIMETER SETTING.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1183 THRE: 1179	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALL, MN	AIRPORT NAME: SOUTHWEST MINNESOTA RGNL MARSHALL/RYAN FLD	RNAV	RNAV (GPS) RWY 30, ORIG 05 MAY 2011	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	KMML
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	442645.0600N
LTP/FTP LONGITUDE	0954900.7960W
LTP/FTP ELLIPSOIDAL HEIGHT	+03324
FPAP LATITUDE	442742.2300N
FPAP LONGITUDE	0955036.2200W
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	0552
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	2A399234

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03593
FPAP ORTHOMETRIC HEIGHT	+03593

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
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BOPMY K30    W     N44193436W095370475                    E0028     NAR           BOPMY
        SUSAEAENRT   OHEXE K30    W     N44233376W095434214                    E0028     NAR           OHEXE
        SUSAEAENRT   PELBE K30    W     N44341427W096013338                    E0031     NAR           PELBE
        SUSAEAENRT   PILIY K30    C   L N44193929W095250267                    E0026     NAR           PILIY
        SUSAEAENRT   WUSKA K30    W     N44252033W095463954                    E0029     NAR           WUSKA
        SUSAEAENRT   ZERAD K30    C   L N44131195W095381745                    E0028     NAR           ZERAD

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMMLK3AMML     0     072YHN44270623W095492791E005001183         1800018000C    MNAR    SOUTHWEST MINNESOTA RGNL MARSH

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMMLK3FR30   ABOPMY 010BOPMYK3EA0EE AR   HF                    30510040    + 03000     18000                A JS
        SUSAP KMMLK3FR30   APILIY 010PILIYK3EA0E  A    IF                                        18000                A JS
        SUSAP KMMLK3FR30   APILIY 020BOPMYK3EA0EE B 010TF                     26450086    + 03000                          A JS
        SUSAP KMMLK3FR30   AZERAD 010ZERADK3EA0E  A    IF                                        18000                A JS
        SUSAP KMMLK3FR30   AZERAD 020BOPMYK3EA0EE B 010TF                     00280064    + 03000                          A JS
        SUSAP KMMLK3FR30   R      010BOPMYK3EA0E  I    IF                               + 03000     18000                A JS
        SUSAP KMMLK3FR30   R      020OHEXEK3EA1E  F 051TF                     30510062    + 02800                RW30  K3PGA JS
        SUSAP KMMLK3FR30   R      020OHEXEK3EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KMMLK3FR30   R      021WUSKAK3EA0E S  031TF                     30500028    V 0190001919       -300          A JS
        SUSAP KMMLK3FR30   R      030RW30 K3PG0GY M 031TF                     30500022      01219            -300          A JS
        SUSAP KMMLK3FR30   R      040         0  M     CA                     3050        + 01429                          A JS
        SUSAP KMMLK3FR30   R      050PELBEK3EA0EY       DF                               + 03200                          A JS
        SUSAP KMMLK3FR30   R      060PELBEK3EA0EE  R    HM                     12480040    + 03200                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMMLK3GRW30     0072213049 N44264506W095490080+0100     +0332401179000040100R
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1183 THRE: 1179	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALL, MN	AIRPORT NAME: SOUTHWEST MINNESOTA RGNL MARSHALL/RYAN FLD	RNAV	RNAV (GPS) RWY 30, ORIG 05 MAY 2011	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 KMMLK3PR30    RW30 001 0000W30A0N4426450600W09549007960+033240300N4427422300W095503622001067505520000400F4005002A399234
    SUSAP KMMLK3PR30    RW30 002E       +03593+03593LPV        86321

            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------------------
    SUSAP KMMLK3SRW30 K3PG                0   18018003825                                                                          M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1183 THRE: 1179	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALL, MN	AIRPORT NAME: SOUTHWEST MINNESOTA RGNL MARSHALL/RYAN FLD	RNAV	RNAV (GPS) RWY 30, ORIG 05 MAY 2011	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GEP VORTAC	PPI NDB	125.55 / 24.57	3500
FGT VORTAC (IAF)	INMUG INT/FGT 7.79 DME (NOPT)	029.11 / 7.79	2800
INMUG INT/FGT 7.79 DME (IF)	PPI NDB	032.27 / 10.00	2800

MISSED APPROACH

MAP: 8.19 MILES AFTER PPI NDB

CLIMB TO 2200 THEN CLIMBING RIGHT TURN TO 2800 DIRECT PPI NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 023.25 INBOUND.
FAS OBST: 1289 AAO 445720N/0925457W
HUDSON TO RW04: 2.93/40.

1. PT L SIDE OF COURSE 203.25 OUTBOUND 2800 FT WITHIN 10 MILES OF PPI NDB (IAF)
2.
3. FAC 023.25 FAF PPI NDB DIST FAF TO MAP 8.19 THLD 8.19
4. MIN. ALT PPI NDB 2800, HUDSN INT 1800*
8. MSA FROM: PPI NDB 3500

MAG VAR: 3E EPOCH YEAR:1985

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-4	1800	1	876	1800	1 1/4	876	1800	2 1/2	876		NA				
CIRCLING	1800	1 1/4	867	1800	1 1/4	867	1800	2 1/2	867		NA				
HUDSN FIX MINIMUMS															
S-4	1600	1	676	1600	1	676	1600	1 7/8	676		NA				
CIRCLING	1600	1	667	1600	1	667	1600	1 7/8	667		NA				

NOTES:

CHART NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FGT VORTAC AIRWAY RADIALS 339 CW 071.
*1820 WHEN USING ST. PAUL DOWNTOWN HOLMAN FIELD ALTIMETER SETTING.
(SEE FORM 8260-10)

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

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 933 THRE: 924	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
ST PAUL, MN	AIRPORT NAME: LAKE ELMO	PPI	NDB RWY 4, AMDT 5 05 MAY 2011	AMDT 4A
				DATE 11/20/2008

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.27

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

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST. PAUL DOWNTOWN HOLMAN FIELD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE S-4 CAT A AND CIRCLING CAT C VISIBILITY 1/4 MILE. HUDSON FIX MINIMUMS; INCREASE ALL CATS C VISIBILITY 1/8 MILE.
CHART NOTE: CIRCLING RWYS 14/22 NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 32 NA AT NIGHT.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 933 THRE: 924	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ST PAUL, MN	AIRPORT NAME: LAKE ELMO	PPI	NDB RWY 4, AMDT 5	AMDT: 4A
			05 MAY 2011	DATED: 11/20/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FGT VORTAC	ZADAP (FB)	062.04 / 20.13	3000
STILS	MOVDE (FB)	151.97 / 12.68	3000
ZADAP (IAF)	TIMTE (FB)	046.57 / 5.70	3000
MOVDE (IAF)	TIMTE (FB)	226.75 / 8.89	3000
TIMTE (IF)	ROTIE (FB)	316.64 / 6.86	2600
ROTIE (FAF)	RW32 (MAP) (FO)	316.57 / 5.13	
RW32 (MAP)	1333 MSL	316.57	
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV: RW32

CLIMB TO 3400 DIRECT JUGIN AND ON TRACK 337.39 TO WHISK AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 194.00 INBOUND.
FAS OBST: 1250 AAO 445845N/0924906W
ROTIE TO RW32: 3.00/40.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT TIMTE
3. FAC: 316.57 FAF: ROTIE DIST FAF TO MAP: 5.13 THLD: 5.13
4. MIN. ALT: TIMTE 3000, ROTIE 2600
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: RW32 3500

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	1500	1	574	1500	1	574	1500	1 5/8	574		NA				
CIRCLING	1500	1	567	1560	1	627	1600	1 3/4	667		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT STILS ON V78 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FGT VORTAC AIRWAY RADIALS 339 CW 147.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 933 THRE: 926 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ST PAUL, MN	LAKE ELMO	RNAV	RNAV (GPS) RWY 32, AMDT 1 05 MAY 2011	AMDT: ORIG-A
				DATED 11/20/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
1333 MSL	JUGIN (FB)		
JUGIN	WHISK (FO)	337.39 / 7.05	3400

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST. PAUL DOWNTOWN HOLMAN FIELD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE LNAV CAT C VISIBILITY 1/8 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: CIRCLING RWYS 14/22 NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 32 PROCEDURE NA AT NIGHT.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 933 THRE: 926	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ST PAUL, MN	AIRPORT NAME: LAKE ELMO	RNAV	RNAV (GPS) RWY 32, AMDT 1 05 MAY 2011	AMDT: ORIG-A DATED: 11/20/2008

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)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAD        FGT    K3011570VTHA N44375143W093105537    N44375143W093105537E0060009722     NARFARMINGTON

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   JUGIN K30    W     N45015044W092540370                    E0005     NAR          JUGIN
        SUSAEAENRT   MOVDE K50    W     N44564574W092303434                    E0002     NAR          MOVDE
        SUSAEAENRT   ROTIE K30    W     N44555066W092461958                    E0004     NAR          ROTIE
        SUSAEAENRT   STILS K50    R   L N45080382W092384122                    E0003     NAR          STILS
        SUSAEAENRT   TIMTE K50    W     N44504675W092394929                    E0003     NAR          TIMTE
        SUSAEAENRT   WHISK K30    C   L N45082357W092574372                    E0005     NAR          WHISK
        SUSAEAENRT   ZADAP K50    W     N44465618W092454410                    E0004     NAR          ZADAP

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP 21D K3A21D     0     028YHN44595100W092512040E001000933        1800018000C    MNAR    LAKE ELMO

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP 21D K3FR32   AFGT   010FGT  K3D 0V       IF                                                  18000                B JS
        SUSAP 21D K3FR32   AFGT   020ZADAPK5EA0E  A 020TF                      06200201    + 03000                              B JS
        SUSAP 21D K3FR32   AFGT   030TIMTEK5EA0EE B 010TF                      04660057    + 03000                              B JS
        SUSAP 21D K3FR32   ASTILS 010STILSK5EA0E       IF                                                  18000                B JS
        SUSAP 21D K3FR32   ASTILS 020MOVDEK5EA0E  A 020TF                      15200127    + 03000                              B JS
        SUSAP 21D K3FR32   ASTILS 030TIMTEK5EA0EE B 010TF                      22680089    + 03000                              B JS
        SUSAP 21D K3FR32   R      010TIMTEK5EA0E  I    IF                                  + 03000     18000                    B JS
        SUSAP 21D K3FR32   R      020ROTIEK3EA1E  F 051TF                      31660069    + 02600                 RW32  K3PGB JS
        SUSAP 21D K3FR32   R      020ROTIEK3EA2WN          N          ALNAV                                                    JS
        SUSAP 21D K3FR32   R      030RW32 K3PG0GY M 031TF                      31660051      00966                 -300         B JS
        SUSAP 21D K3FR32   R      040         0  M     CA                      3166        + 01333                              B JS
        SUSAP 21D K3FR32   R      050JUGINK3EA0E       DF                                                                      B JS
        SUSAP 21D K3FR32   R      060WHISKK3EA0EY   010TF                      3374        + 03400                              B JS
        SUSAP 21D K3FR32   R      070WHISKK3EA0EE  R   HM                      19400040    + 03400                              B JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 933 THRE: 926	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ST PAUL, MN	AIRPORT NAME: LAKE ELMO	RNAV	RNAV (GPS) RWY 32, AMDT 1 05 MAY 2011	AMDT: ORIG-A
				DATED: 11/20/2008

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 21D K3GRW32    0028493165 N44593775W092511229-0100    +025420092600004007 5R

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 21D K3SRW32 K3PG              0   18018003525                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 933 THRE: 926	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ST PAUL, MN	AIRPORT NAME: LAKE ELMO	RNAV	RNAV (GPS) RWY 32, AMDT 1 05 MAY 2011	AMDT: ORIG-A
				DATED: 11/20/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS OR RNAV STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 05 MAY 2011

QUALITY CHECKED

CITY AND STATE	ELEVATION: 867 TDZE: 866	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MOBERLY, MO	AIRPORT NAME: OMAR N BRADLEY	MCM	VOR/DME RNAV OR GPS RWY 13, AMDT 1 22 NOV 84	AMDT ORIG
				DATE 5 JUL 84

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS OR RNAV 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 05 MAY 2011

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 867 TDZE: 866	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MOBERLY, MO	AIRPORT NAME: OMAR N BRADLEY	MCM	VOR/DME RNAV OR GPS RWY 31, AMDT 1 22 NOV 84	AMDT ORIG
				DATE 5 JUL 84

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
BANAY (IF/IAF)	LARYE (FB)	182.63 / 6.80	1800
LARYE (FAF)	RW18 (MAP) (FO)	182.62 / 4.99	
RW18 (MAP)	422 MSL	182.62	
422 MSL	HULON (FO)		2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

CLIMB TO 2000 DIRECT HULON AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 002.62 INBOUND.
CHART FAS OBST: 375 TOWER 341918N/0903016W
391 AAO 342203N/0903103W
DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
CHART VDP AT 1.45 MILES TO RW18*
*LNAV ONLY.
WAAS CHANNEL # 72619
REFERENCE PATH ID: W18A
LTP HAE: 25.7 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N BANAY, RT, 182.63 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 182.62 FAF: LARYE DIST FAF TO MAP: 4.99 THLD: 4.99
4. MIN. ALT: BANAY 2000, LARYE 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: LARYE 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 0W EPOCH YEAR: 2010

MINIMUMS

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

ALTERNATE: N A [X]

CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	422	7/8	250	422	7/8	250	422	7/8	250	422	7/8	250			
LNAV/VNAV DA	586	1 3/8	414	586	1 3/8	414	586	1 3/8	414	586	1 3/8	414			
LNAV MDA	660	1	488	660	1	488	660	1 3/8	488	660	1 3/8	488			
CIRCLING	740	1	567	740	1	567	740	1 1/2	567	740	2	567			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 42C (107F).
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 FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 173 THRE: 172 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CLARKSDALE, MS	FLETCHER FIELD	RNAV	RNAV (GPS) RWY 18, AMDT 1 5 MAY 2011	AMDT: ORIG-A DATED 07/07/2005

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 TUNICA ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET; INCREASE LPV ALL CATS VISIBILITY 1/8 MILE, LNAV/VNAV ALL CATS, LNAV CATS C/D AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: BARO-VNAV AND VDP NA WITH TUNICA ALTIMETER SETTING.
CHART NOTE: CIRCLING TO RWY 36 NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	093/30 CW 273/30 (NOPT)	093/10 CW 273/10	2100
2.	093/10 CW 273/10	BANAY (IF/IAF) (FB)	2000
3.	273/30 CW 093/30	BANAY (IAF) (FO)	2000

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 173 THRE: 172	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLARKSDALE, MS	AIRPORT NAME: FLETCHER FIELD	RNAV	RNAV (GPS) RWY 18, AMDT 1 5 MAY 2011	AMDT: ORIG-A DATED: 07/07/2005

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	KCKM
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	341825.6485N
LTP/FTP LONGITUDE	0903042.8705W
LTP/FTP ELLIPSOIDAL HEIGHT	+00257
FPAP LATITUDE	341656.4900N
FPAP LONGITUDE	0903047.7900W
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	1104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	510984FD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00523
FPAP ORTHOMETRIC HEIGHT	+00523

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BANAY K70    W     N34301352W090300374                        W0002     NAR           BANAY
        SUSAEAENRT   HULON K70    W     N34055096W090312439                        W0001     NAR           HULON
        SUSAEAENRT   LARYE K70    W     N34232514W090302634                        W0001     NAR           LARYE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCKMK7ACKM     0     054YHN34175900W090304430W000000173          1800018000C    MNAR    FLETCHER FIELD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCKMK7FR18   ABANAY 010BANAYK7EA0EE AR   HF                    18260040    + 02000     18000                A JS
        SUSAP KCKMK7FR18   R       010BANAYK7EA0E  I    IF                               + 02000     18000                A JS
        SUSAP KCKMK7FR18   R       020LARYEK7EA1E  F 051TF                    18260068    + 01800                          A JS
        SUSAP KCKMK7FR18   R       020LARYEK7EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KCKMK7FR18   R       030RW18 K7PG0GY M 031TF                    18260050      00212            -300          A JS
        SUSAP KCKMK7FR18   R       040          0  M     CA                   1826        + 00422                          A JS
        SUSAP KCKMK7FR18   R       050HULONK7EA0EY       DF                              + 02000                          A JS
        SUSAP KCKMK7FR18   R       060HULONK7EA0EE  R    HM                   00260040    + 02000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCKMK7GRW18     0054041826 N34182565W090304287+0000     +0025700172000040100R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCKMK7PR18   RW18 001 0000W18A0N3418256485W09030428705+002570300N3416564900W0903047790010675110400040 0F400500510984FD
        SUSAP KCKMK7PR18   RW18 002E       +00523+00523LPV       72619
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CITY AND STATE	ELEVATION: 173 THRE: 172	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLARKSDALE, MS	AIRPORT NAME: FLETCHER FIELD	RNAV	RNAV (GPS) RWY 18, AMDT 1 5 MAY 2011	AMDT: ORIG-A
				DATED: 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
HULON (IF/IAF)	FEBOP (FB)	002.62 / 6.71	1800
FEBOP (FAF)	YEMJU/1.70 NM TO RW36 (FB)	002.62 / 3.27	
YEMJU/1.70 NM TO RW36	RW36 (MAP) (FO)	002.62 / 1.70	
RW36 (MAP)	448 MSL	002.62	
448 MSL	BANAY (FO)		2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

CLIMB TO 2000 DIRECT BANAY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 182.63 INBOUND.
CHART FAS OBST: 267 TREE 341716N/0903042W
279 TREE 341542N/0903133W
DISTANCE TO THLD FROM 275 HATH: 0.72 NM.
WAAS CHANNEL # 40120
REFERENCE PATH ID: W36A
LTP HAE: 26 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S HULON, RT, 002.62 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 002.62 FAF: FEBOP DIST FAF TO MAP: 4.97 THLD: 4.97
4. MIN. ALT: HULON 2000, FEBOP 1800, YEMJU/1.70 NM TO RW36 740'
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: FEBOP 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 0W EPOCH YEAR: 2010

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	476	1	303	476	1	303	476	1	303	476	1	303			
LNAV/VNAV DA	448	1	275	448	1	275	448	1	275	448	1	275			
LNAV MDA	520	1	347	520	1	347	520	1	347	520	1	347			
CIRCLING	740	1	567	740	1	567	740	1 1/2	567	740	2	567			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 42C (107F).
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 FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 173 THRE: 173 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CLARKSDALE, MS	FLETCHER FIELD	RNAV	RNAV (GPS) RWY 36, AMDT 1 5 MAY 2011	AMDT: ORIG-A DATED 08/03/2006

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

NOTES, (CONT.):
***LNAV ONLY**
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TUNICA ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET; INCREASE LPV ALL CATS AND CIRCLING CAT C VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS AND LNAV CATS C/D VISIBILITY 1/8 MILE.
CHART NOTE: BARO-VNAV NA WITH TUNICA ALTIMETER SETTING.
CHART NOTE: STRAIGHT-IN/CIRCLING TO RWY 36 PROCEDURE NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	273/30 CW 093/30 (NOPT)	273/10 CW 093/10	2100
2.	273/10 CW 093/10	HULON (IF/IAF) (FB)	2000
3.	093/30 CW 273/30	HULON (IAF) (FO)	2000

QUALITY CHECKED

CITY AND STATE	ELEVATION: 173 THRE: 173	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLARKSDALE, MS	AIRPORT NAME: FLETCHER FIELD	RNAV	RNAV (GPS) RWY 36, AMDT 1 5 MAY 2011	AMDT: ORIG-A DATED: 08/03/2006

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCKM
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	341732.2455N
LTP/FTP LONGITUDE	0903045.8090W
LTP/FTP ELLIPSOIDAL HEIGHT	+00260
FPAP LATITUDE	341901.4100N
FPAP LONGITUDE	0903040.8900W
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	1104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	FF378601

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00526
FPAP ORTHOMETRIC HEIGHT	+00526

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 173 THRE: 173	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLARKSDALE, MS	AIRPORT NAME: FLETCHER FIELD	RNAV	RNAV (GPS) RWY 36, AMDT 1 5 MAY 2011	AMDT: ORIG-A 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 alport 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   BANAY K70    W     N34301352W090300374                      W0002     NAR           BANAY
        SUSAEAENRT   FEBOP K70    W     N34123388W090310224                      W0001     NAR           FEBOP
        SUSAEAENRT   HULON K70    W     N34055096W090312439                      W0001     NAR           HULON
        SUSAEAENRT   YEMJU K70    W     N34155018W090305144                      W0001     NAR           YEMJU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCKMK7ACKM     0     054YHN34175900W090304430W000000173         1800018000C    MNAR    FLETCHER FIELD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCKMK7FR36   AHULON 010HULONK7EA0EE AR   HF                    00260040    + 02000     18000                A JS
        SUSAP KCKMK7FR36   R       010HULONK7EA0E  I    IF                                + 02000     18000                A JS
        SUSAP KCKMK7FR36   R       020FEBOPK7EA1E  F 051TF                    00260067    + 01800                          A JS
        SUSAP KCKMK7FR36   R       020FEBOPK7EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KCKMK7FR36   R       021YEMJUK7EA0E S  031TF                    00260033    V 0074000759        -300         A JS
        SUSAP KCKMK7FR36   R       030RW36 K7PG0GY M 031TF                    00260017      00218             -300         A JS
        SUSAP KCKMK7FR36   R       040          0  M     CA                   0026        + 00448                          A JS
        SUSAP KCKMK7FR36   R       050BANAYK7EA0EY       DF                              + 02000                          A JS
        SUSAP KCKMK7FR36   R       060BANAYK7EA0EE  R    HM                   18260040    + 02000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCKMK7GRW36    0054040026 N34173225W090304581+0000     +0026000173000045100R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCKMK7PR36   RW36 001 0000W36A0N3417322455W09030458090+002600300N3419014100W0903040890010675110400045OF400500FF378601
        SUSAP KCKMK7PR36   RW36 002E      +00526+00526LPV       40120
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CITY AND STATE	ELEVATION: 173 THRE: 173	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLARKSDALE, MS	AIRPORT NAME: FLETCHER FIELD	RNAV	RNAV (GPS) RWY 36, AMDT 1 5 MAY 2011	AMDT: ORIG-A
				DATED: 08/03/2006

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
UJM VOR/DME	PEYIT INT/I-UTA 6.80 DME	086.21 / 17.53	1900
MEM VORTAC	PEYIT INT/I-UTA 6.80 DME	212.26 / 30.51	3000

MISSED APPROACH

ILS: DA
LOC: 5.22 MILES AFTER PEYIT INT/UTA 6.80 DME OR AT I-UTA 1.58 DME FIX

CLIMB TO 700 THEN CLIMBING LEFT TURN TO 1900 DIRECT UJM VOR/DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 700 CLIMBING RIGHT TURN TO 1900 ON HEADING 180 AND MEM VORTAC R-212 TO PEYIT INT/I-UTA 6.80 DME AND HOLD S, LT, 347.01 INBOUND. DME REQUIRED.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 171.26 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S PEYIT INT/I-UTA 6.80 DME, LT, 347.01 INBOUND.
FAS OBST: 385 AAO 343709N/0902005W
CHART VDP AT 2.83 DME*;
DISTANCE VDP TO THLD 1.25 MILES.
***LOC ONLY.**
CHART IN PLANVIEW: (BXCDD) AT 342928.15N/0901737.51W
CHART IN PLANVIEW: UJM R-086 AND MEM R-212 AT PEYIT

1. PT **R** SIDE OF COURSE **167.01** OUTBOUND **1900** FT WITHIN **10** MILES OF **PEYIT** (IAF)
2.
3. FAC: **347.01** FAF: **PEYIT INT/I-UTA 6.80 DME** DIST FAF TO MAP: **5.22** THLD: **5.22**
4. MIN. ALT: **PEYIT 1900**
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: **954**
6. MIN GS INCPT: **1900** GS ALT AT: **PEYIT 1900** OM: - MM: - IM: -
7. GS ANGLE: **3.00** TCH: **43.1**
8. MSA FROM: **UJM VOR/DME 2100**

MAG VAR: **0E** EPOCH YEAR: **2005**

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 35	394	1/2	200	394	1/2	200	394	1/2	200	394	1/2	200			
S-LOC 35	640	1/2	446	640	1/2	446	640	7/8	446	640	7/8	446			
CIRCLING	680	1	486	680	1	486	700	1 1/2	506	760	2	566			

NOTES:
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: VDP NA WITH MEMPHIS ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE MEMPHIS ALTIMETER SETTING AND INCREASE S-ILS 35 DA TO 480 AND ALL MDA 100 FEET, INCREASE S-LOC 35 CATS C AND D AND CIRCLING CAT C VISIBILITY 1/4 (SEE FORM 8260-10)

 # @ NA WHEN LOCAL WEATHER NOT AVAILABLE

QUALITY CHECKED

CITY AND STATE	ELEVATION: 194 TDZE: 194 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TUNICA, MS	**TUNICA MUNI**	**I-UTA**	**ILS OR LOC RWY 35, AMDT 1** 5 MAY 2011	AMDT: **ORIG** DATED **01/20/2005**

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.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING MEMPHIS ALTIMETER SETTING INCREASE S-ILS 35 ALL CATS VISIBILITY TO 1 MILE.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 194 TDZE: 194	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TUNICA, MS	AIRPORT NAME: **TUNICA MUNI**	**I-UTA**	**ILS OR LOC RWY 35, AMDT 1** 5 MAY 2011	AMDT: **ORIG**
				DATED: **01/20/2005**

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
HIBIG (IAF)	BUYAL (NOPT) (FB)	257.09 / 9.95	2800
FIGAP (IAF)	BUYAL (NOPT) (FB)	076.87 / 9.95	2800
BUYAL (IF/IAF)	KATBE	166.98 / 6.94	1900
KATBE (FAF)	JOPGO/1.90 NM TO RW17	167.00 / 3.30	
JOPGO/1.90 NM TO RW17	RW17 (MAP) (FO)	167.01 / 1.90	
RW17 (MAP)	394 MSL	167.01	
394 MSL	ULIKE (FO)		2800

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

CLIMB TO 2800 DIRECT ULIKE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N BUYAL, RT, 166.98 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC: 167.00 FAF: KATBE DIST FAF TO MAP: 5.20 THLD: 5.20
4. MIN. ALT: BUYAL 2800, KATBE 1900, JOPGO/1.90 NM TO RW17 840*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1900 GS ALT AT: KATBE 1900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 347.04 INBOUND.
CHART FAS OBST: 290 TREE 344157N/0902053W
DISTANCE TO THLD FROM 200 HAT: 0.47 NM.
CHART VDP AT 1.24 MILES TO RW17*
*LNAV ONLY.
WAAS CHANNEL # 56212
REFERENCE PATH ID: W17A
LTP HAE: 32.2 M

MAG VAR: 0E EPOCH YEAR: 2005

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	394	5/8	200	394	5/8	200	394	5/8	200	394	5/8	200			
LNAV/VNAV DA	471	3/4	277	471	3/4	277	471	3/4	277	471	3/4	277			
LNAV MDA	640	3/4	446	640	3/4	446	640	3/4	446	640	3/4	446			
CIRCLING	680	1	486	680	1	486	700	1 1/2	506	760	2	566			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 42C (107F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: FOR INOPERATIVE ODALS, INCREASE LPV ALL CATS VISIBILITY TO 3/4 MILE, LNAV/VNAV ALL CATS VISIBILITY TO 7/8 MILE, AND LNAV CAT D VISIBILITY TO 1 3/8 MILE.
(SEE FORM 8260-10)

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 194 TDZE: 194 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TUNICA, MS	TUNICA MUNI	RNAV	RNAV (GPS) RWY 17, AMDT 3 5 may 2011	AMDT: 2 DATED 09/24/2009

NOTES, (CONT.):

CHART NOTE: BARO VNAV AND VDP NA WHEN USING MEMPHIS ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MEMPHIS ALTIMETER SETTING AND INCREASE LPV DA TO 480, LNAV/VNAV DA TO 557, AND ALL MDA 100 FEET; INCREASE LPV ALL CATS VISIBILITY 1/8 MILE, INCREASE LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE, INCREASE LNAV CATS C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING MEMPHIS ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 7/8 MILE, LNAV/VNAV ALL CATS VISIBILITY TO 1 1/4 MILE, LNAV CAT D VISIBILITY TO 2 MILE.

TAA

	FROM	TO	ALT
1.	077/30 CW 257/30 (NOPT)	BUYAL (IF/IAF) (FB)	2800
2.	257/30 CW 347/30	HIBIG (IAF) (FB)	2800
3.	347/30 CW 077/30	FIGAP (IAF) (FB)	2800

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.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KUTA
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	344147.1875N
LTP/FTP LONGITUDE	0902103.4640W
LTP/FTP ELLIPSOIDAL HEIGHT	+00322
FPAP LATITUDE	344020.2200N
FPAP LONGITUDE	0902039.1800W
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	0160
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	454306C4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00593
FPAP ORTHOMETRIC HEIGHT	+00593

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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   BUYAL K40    W     N34533825W090242255                    W0004     NAR           BUYAL                    I
        SUSAEAENRT   FIGAP K40    W     N34512296W090360933                    W0003     NAR           FIGAP                    I
        SUSAEAENRT   HIBIG K40    W     N34555240W090123513                    W0005     NAR           HIBIG                    I
        SUSAEAENRT   JOPGO K70    W     N34433846W090213455                    W0004     NAR           JOPGO                    I
        SUSAEAENRT   KATBE K70    W     N34465164W090222858                    W0004     NAR           KATBE                    I
        SUSAEAENRT   ULIKE K70    W     N34284247W090172481                    W0004     NAR           ULIKE                    I

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KUTAK7AUTA     0     085YHN34410620W090205200E000000194          1800018000C    MNAR    TUNICA MUNI              I

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KUTAK7FR17   ABUYAL 010BUYALK4EA0EE AR   HF                    16700040    + 02800     18000                A JS   I
        SUSAP KUTAK7FR17   AFIGAP 010FIGAPK4EA0E  A    IF                                        18000                A JS   I
        SUSAP KUTAK7FR17   AFIGAP 020BUYALK4EA0EE B 010TF                     07690100    + 02800                          A JS   I
        SUSAP KUTAK7FR17   AHIBIG 010HIBIGK4EA0E  A    IF                                        18000                A JS   I
        SUSAP KUTAK7FR17   AHIBIG 020BUYALK4EA0EE B 010TF                     25710100    + 02800                          A JS   I
        SUSAP KUTAK7FR17   R      010BUYALK4EA0E  I    IF                                + 02800     18000                A JS   I
        SUSAP KUTAK7FR17   R      020KATBEK7EA1E  F 051TF                     16700069    + 01900                          A JS   I
        SUSAP KUTAK7FR17   R      020KATBEK7EA2WALPV       ALNAV/VNAV ALNAV                                                 JS   I
        SUSAP KUTAK7FR17   R      021JOPGOK7EA0E S  031TF                     16700033    V 0084000849        -300         A JS   I
        SUSAP KUTAK7FR17   R      030RW17 K7PG0GY M 031TF                     16700019      00244             -300         A JS   I
        SUSAP KUTAK7FR17   R      040         0  M     CA                     1670        + 00394                          A JS   I
        SUSAP KUTAK7FR17   R      050ULIKEK7EA0EY      DF                                + 02800                          A JS   I
        SUSAP KUTAK7FR17   R      060ULIKEK7EA0EE  R   HM                     34700040    + 02800                          A JS   I

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KUTAK7GRW17    0085001670 N34414719W090210346+0000    +00322001940000501 50R                                        I
```

CITY AND STATE	ELEVATION: 194 TDZE: 194	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TUNICA, MS	AIRPORT NAME: TUNICA MUNI	RNAV	RNAV (GPS) RWY 17, AMDT 3 5 MAY 2011	AMDT: 2 DATED: 09/24/2009

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 KUTAK7PR17    RW17 001 0000W17A0N3441471875W09021034640+003220300N3440202200W090203918001067501600005O0F400350454306C4
    SUSAP KUTAK7PR17    RW17 002E       +00593+00593LPV        56212
```

CITY AND STATE	ELEVATION: 194 TDZE: 194	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TUNICA, MS	AIRPORT NAME: TUNICA MUNI	RNAV	RNAV (GPS) RWY 17, AMDT 3 5 MAY 2011	AMDT: 2 DATED: 09/24/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DICEB (IAF)	ULIKE (NOPT) (FB)	257.15 / 9.95	2800
ZODUM (IAF)	ULIKE (NOPT) (FB)	076.93 / 9.95	2800
ULIKE (IF/IAF)	PEYIT (FB)	347.04 / 6.78	1900
PEYIT (FAF)	RW35 (MAP) (FO)	347.02 / 5.22	
RW35 (MAP)	394 MSL	347.02	
394 MSL	BUYAL (FO)		2800

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

CLIMB TO 2800 DIRECT BUYAL AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S ULIKE, RT, 347.04 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC: 347.02 FAF: PEYIT DIST FAF TO MAP: 5.22 THLD: 5.22
4. MIN. ALT: ULIKE 2800, PEYIT 1900
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1900 GS ALT AT: PEYIT 1900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 43.1 34:1 IS CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 166.98 INBOUND.
FAS OBST: 385 AAO 343709N/0902005W
DISTANCE TO THLD FROM 200 HAT: 0.49 NM.
CHART VDP AT 1.25 MILES TO RW35*
*LNAV ONLY.
WAAS CHANNEL # 60912
REFERENCE PATH ID: W35A
LTP HAE: 32.2 M

MAG VAR: 0E EPOCH YEAR: 2005

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	394	1/2	200	394	1/2	200	394	1/2	200	394	1/2	200			
LNAV/VNAV DA	444	1/2	250	444	1/2	250	444	1/2	250	444	1/2	250			
LNAV MDA	640	1/2	446	640	1/2	446	640	7/8	446	640	7/8	446			
CIRCLING	680	1	486	680	1	486	700	1 1/2	506	760	2	566			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 42C (107F).
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 3/4 MILE.
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.

CITY AND STATE	ELEVATION: 194 THRE: 194 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TUNICA, MS	TUNICA MUNI	RNAV	RNAV (GPS) RWY 35, AMDT 2 5 MAY 2011	AMDT: 1 DATED 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: BARO VNAV AND VDP NA WHEN USING MEMPHIS ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MEMPHIS ALTIMETER SETTING AND INCREASE LPV DA TO 480, LNAV/VNAV DA TO 530, AND ALL MDA 100 FEET; INCREASE LNAV/VNAV VISIBILITY ALL CATS 1/8 MILE, INCREASE LNAV CAT C,D AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING MEMPHIS ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 7/8 MILE.

TAA

	FROM	TO	ALT
1.	257/30 CW 077/30 (NOPT)	ULIKE (IF/IAF) (FB)	2800
2.	077/30 CW 167/30	ZODUM (IAF) (FB)	2800
3.	167/30 CW 257/30	DICEB (IAF) (FB)	2800

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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	KUTA
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	344025.2700N
LTP/FTP LONGITUDE	0902040.5800W
LTP/FTP ELLIPSOIDAL HEIGHT	+00322
FPAP LATITUDE	344152.2300N
FPAP LONGITUDE	0902104.8700W
THRESHOLD CROSSING HEIGHT (TCH)	00043.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0160
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	1EA9A244

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00593
FPAP ORTHOMETRIC HEIGHT	+00593

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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   BUYAL K40    W     N34533825W090242255                    W0003     NAR           BUYAL
        SUSAEAENRT   DICEB K70    W     N34305602W090054075                    W0004     NAR           DICEB
        SUSAEAENRT   PEYIT K70    C     N34351953W090191530                    W0003     NAR           PEYIT
        SUSAEAENRT   ULIKE K70    W     N34284247W090172481                    W0003     NAR           ULIKE
        SUSAEAENRT   ZODUM K70    W     N34262779W090290824                    W0002     NAR           ZODUM

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KUTAK7AUTA     0     085YHN34410620W090205200E000000194         1800018000C    MNAR    TUNICA MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KUTAK7FR35   ADICEB 010DICEBK7EA0E  A    IF                                                  18000                A JS
        SUSAP KUTAK7FR35   ADICEB 020ULIKEK7EA0EE B 010TF                    25720100    + 02800                                A JS
        SUSAP KUTAK7FR35   AULIKE 010ULIKEK7EA0EE AR   HF                    34700040    + 02800     18000                      A JS
        SUSAP KUTAK7FR35   AZODUM 010ZODUMK7EA0E  A    IF                                          18000                      A JS
        SUSAP KUTAK7FR35   AZODUM 020ULIKEK7EA0EE B 010TF                    07690100    + 02800                                A JS
        SUSAP KUTAK7FR35   R      010ULIKEK7EA0E  I    IF                                + 02800     18000                      A JS
        SUSAP KUTAK7FR35   R      020PEYITK7EA1E  F 051TF                    34700068    + 01900                                A JS
        SUSAP KUTAK7FR35   R      020PEYITK7EA2WALPV       ALNAV/VNAV ALNAV                                                     JS
        SUSAP KUTAK7FR35   R      030RW35 K7PG0GY M 031TF                    34700052      00238           -300                 A JS
        SUSAP KUTAK7FR35   R      040         0  M  010CA                    3470        + 00394                                A JS
        SUSAP KUTAK7FR35   R      050BUYALK4EA0EY   010DF                                 + 02800                                A JS
        SUSAP KUTAK7FR35   R      060BUYALK4EA0EE  R020HM                    16700040    + 02800                                A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KUTAK7GRW35    0085003470 N34402527W090204058+0000    +00322001940000431501

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KUTAK7PR35   RW35 001 0000W35A0N3440252700W09020405800+003220300N3441522300W0902104870010675016000043 1F4003501EA9A244
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 194 THRE: 194	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TUNICA, MS	AIRPORT NAME: TUNICA MUNI	RNAV	RNAV (GPS) RWY 35, AMDT 2 5 MAY 2011	AMDT: 1 DATED: 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.

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
PP  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------
    SUSAP KUTAK7PR35   RW35 002E      +00593+00593LPV       60912
```

QUALITY CHECKED 6

CITY AND STATE	ELEVATION: 194 THRE: 194	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TUNICA, MS	AIRPORT NAME: TUNICA MUNI	RNAV	RNAV (GPS) RWY 35, AMDT 2 5 MAY 2011	AMDT: 1 DATED: 05/12/2005

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
KUMGE/MEM 15.00 DME CCW (IAF)	ZOKIB/MEM 15.00 DME	15.00 DME ARC	2500
ZOKIB/MEM 15.00 DME (IF)	JIVOD/MEM 21.00 DME	222.67 / 6.00 (MEM R-223)	1900

MISSED APPROACH

MAP: 5.35 MILES AFTER JIVOD

CLIMBING RIGHT TURN TO 3000 DIRECT UJM VOR/DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 1900 ON HEADING 086 AND ON MEM VORTAC R-223 TO JIVOD/MEM 21.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 171.26 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE JIVOD/MEM 21.00 DME, RT, 222.67 INBOUND.
CHART FAS OBST: 457 TOWER 344400N/0902111W
CHART MEM R-313 AT KUMGE.
FAC CROSSES RWY 17 THLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ZOKIB/MEM 15.00 DME
3. FAC 222.67 FAF JIVOD/MEM 21.00 DME DIST FAF TO MAP 5.35 THLD
4. MIN. ALT ZOKIB 2500, JIVOD 1900
8. MSA FROM: MEM VORTAC 2500 (28 NM)

MAG VAR: 1E EPOCH YEAR:2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A CIRCLING: 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	800	1	606	800	1 1/4	606	800	1 3/4	606	800	2	606			

NOTES:

CHART PLANVIEW NOTE: DME REQUIRED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MEMPHIS ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 194 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
TUNICA, MS	TUNICA MUNI	MEM	VOR/DME-A, ORIG 5 MAY 2011	AMDT NONE
				DATE

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BIS VOR/DME	JEKAN/BIS 17.00 DME	278.00 / 17.00	4000
JEKAN/BIS 17.00 DME CW (IAF)	WIMTO/BIS 17.00 DME	17.00 DME ARC (BIS LR-292)	4000
OHROR/BIS 17.00 DME CW (IAF)	WIMTO/BIS 17.00 DME	17.00 DME ARC (BIS LR-292)	4000
ZOLUN/BIS 17.00 DME CCW (IAF)	WIMTO/BIS 17.00 DME	17.00 DME ARC	4000
WIMTO/BIS 17.00 DME (IF)	HUSKE OM	130.58 / 7.59 (I-BZX)	3600

MISSED APPROACH

ILS: DA
LOC: 5.62 MILES AFTER HUSKE OM

CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 3600 DIRECT BIS VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3600, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 4600 DIRECT JADAN LOM AND HOLD CONTINUE CLIMB-IN-HOLD TO 4600 (ADF REQUIRED).

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 271.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE JADAN LOM, RT, 310.60 INBOUND.
CHART FAS OBST: 1901 TANK 464856N/1004733W
CHART: ASR.
CHART BIS R-070 AT ZOLUN.
CHART BIS R-192 AT OHROR.
CHART BIS R-278 AT JEKAN.
CHART IN PLANVIEW: JADAN LOM.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT WIMTO
3. FAC: 130.58 FAF: HUSKE OM DIST FAF TO MAP: 5.62 THLD: 5.62
4. MIN. ALT: WIMTO 4000, HUSKE OM 3600, JABVU/BIS 6.11 DME/RADAR 2380*
5. DIST TO THLD FROM OM: 5.62 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1105
6. MIN GS INCPT: 3600 GS ALT AT: - OM: 3536 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 58.0
8. MSA FROM: BIS VOR/DME 010-170 3600, 170-010 4500

MAG VAR: 7E 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 13	1854	3/4	200	1854	3/4	200	1854	3/4	200	1854	3/4	200			
S-LOC 13	2380	1	726	2380	1	726	2380	2	726	2380	2	726			
CIRCLING	2380	1	719	2380	1	719	2380	2	719	2380	2 1/4	719			
JABVU FIX MINIMUMS															
S-LOC 13	2160	1	506	2160	1	506	2160	1 3/8	506	2160	1 3/8	506			
CIRCLING	2240	1	579	2240	1	579	2240	1 1/2	579	2320	2	659			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART PLANVIEW NOTE: DME REQUIRED.
*LOC ONLY

CAT A, B, C 800-2, CAT D 800-2 1/4
@ CAT D 800-2 1/4
#@ NA WHEN CONTROL TOWER CLOSED.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1654	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	I-BZX	ILS OR LOC RWY 13, AMDT 3	AMDT: 2E
			05 MAY 2011	DATED 08/26/2010

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.

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 1661 THRE: 1654	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	I-BZX	ILS OR LOC RWY 13, AMDT 3 05 MAY 2011	AMDT: 2E
				DATED: 08/26/2010

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

ARINC PACKET - 424-18 - ILS

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        BIS   K3011650VDLA N46454234W100395547    N46454234W100395547E0120018541     NARBISMARCK

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   JEKAN K30    R     N46512869W101031215                      E0069     NAR           JEKAN
        SUSAEAENRT   OHROR K30    C   L N46300966W100495347                      E0068     NAR           OHROR
        SUSAEAENRT   WIMTO K30    C     N46564653W100584304                      E0069     NAR           WIMTO
        SUSAEAENRT   ZOLUN K30    R   L N46475950W100152477                      E0063     NAR           ZOLUN

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3ABIS     0     087YHN46462180W100444470E007001661        1800018000C    MNAR    BISMARCK MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3FI13   ABIS    010BIS  K3D 0V      IF                                                  18000                0 DS
        SUSAP KBISK3FI13   ABIS    020JEKANK3EA0E  A   TF BIS K3      27800170        D   + 04000                               0 DS
        SUSAP KBISK3FI13   ABIS    030WIMTOK3EA0EE BR  AF BIS K3      298801702780    D   + 04000                               0 DS
        SUSAP KBISK3FI13   AOHROR  010OHRORK3EA0E  A   IF BIS K3      19190170        D                   18000                0 DS
        SUSAP KBISK3FI13   AOHROR  020WIMTOK3EA0EE BR  AF BIS K3      298801701919    D   + 04000                               0 DS
        SUSAP KBISK3FI13   AZOLUN  010ZOLUNK3EA0E  A   IF BIS K3      07010170        D                   18000                0 DS
        SUSAP KBISK3FI13   AZOLUN  020WIMTOK3EA0EE BL  AF BIS K3      298801700701    D   + 04000                               0 DS
        SUSAP KBISK3FI13   I       010WIMTOK3EA0E  I   IF IBZXK3      31060148        PI  J 040000360018000                     0 DS
        SUSAP KBISK3FI13   I       020IBZX K3PM0E  F   CF IBZXK3      3107007213100076PI  H 0360003536          -300BIS   K3D 0 DS
        SUSAP KBISK3FI13   I       030RW13 K3PG0GY M   CF IBZXK3      3106001613100056PI    01712               -300            0 DS
        SUSAP KBISK3FI13   I       040          0  M    CA                     1306        + 02200                               0 DS
        SUSAP KBISK3FI13   I       050BIS  K3D 0VY     DF                                 + 03600                               0 DS
        SUSAP KBISK3FI13   I       060BIS  K3D 0VE  R  HM                     2710T010    + 03600                               0 DS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3GRW13     0087941306 N46470223W100454243-0100     +048280165400005815OIIBZX1

                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3IIBZX1   011150RW13 N46455121W1004408011306N46465667W1004527760952 11050412300E00705801651
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: **1661** THRE: **1654**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: **BISMARCK MUNI**	**I-BZX**	**ILS OR LOC RWY 13, AMDT 3** 05 MAY 2011	AMDT: **2E**
				DATED: **08/26/2010**

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```
                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3MIBZX MM 0     RW13 N46472349W100461051
        SUSAP KBISK3MIBZX OM 0     RW13 N46511141W100511370

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3SBIS  K3D               0   190350036253501900452 5                                                                    M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1654	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	I-BZX	ILS OR LOC RWY 13, AMDT 3 05 MAY 2011	AMDT: 2E DATED: 08/26/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BIS	BIS	010		IF		FB					
	BIS	JEKAN	020	IAF	TF		FB				AA 04000	
	BIS	WIMTO	030		AF	R	FB		278.0()		AA 04000	
	OHROR	OHROR	010	IAF	IF		FB					
	OHROR	WIMTO	020		AF	R	FB		191.9()		AA 04000	
	ZOLUN	ZOLUN	010	IAF	IF		FB					
	ZOLUN	WIMTO	020		AF	L	FB		070.1()		AA 04000	
		WIMTO	010	FACF	IF		FB				AA 04000 GI 03600	
		IBZX	020	FAF	CF		FB		131.0()	007.6	GI 03600 GS 03536	
		RW13	030	MAP	CF		FO		131.0()	005.6	AT 01712	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		130.6()		AA 02200	
	BIS	050		DF		FO				AA 03600	
	BIS	060		HM	R	FO		271.0()	T01.0	AA 03600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BIS	N464542.34	W1003955.47	N4645.706	W10039.925
	JEKAN	N465128.69	W1010312.15	N4651.478	W10103.203
	OHROR	N463009.66	W1004953.47	N4630.161	W10049.891
	WIMTO	N465646.53	W1005843.04	N4656.776	W10058.717
	ZOLUN	N464759.50	W1001524.77	N4647.992	W10015.413
	RW13	N464702.23	W1004542.43	N4647.037	W10045.707
	IBZX (LOC)	N464551.21	W1004408.01	N4645.854	W10044.134

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	01654	58

QUALITY CHECKED

CITY AND STATE	ELEVATION: **1661** THRE: **1654**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: **BISMARCK MUNI**	**I-BZX**	**ILS OR LOC RWY 13, AMDT 3** 05 MAY 2011	AMDT: **2E**
				DATED: **08/26/2010**

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
BIS VOR/DME	JADAN LOM	157.24 / 3.89	3500
HIPNU/BIS 16.00 DME CCW (IAF)	WIGAG/BIS 16.00 DME (NOPT)	16.00 DME ARC (BIS LR-141)	3900
YIRNU/BIS 16.00 DME CW (IAF)	WIGAG/BIS 16.00 DME (NOPT)	16.00 DME ARC	3900
WIGAG/BIS 16.00 DME (IF)	JADAN LOM	310.60 / 12.56 (I-BIS)	3500

MISSED APPROACH

ILS: DA
LOC: 5.53 MILES AFTER JADAN LOM

CLIMB TO 2800 THEN CLIMBING RIGHT TURN TO 3600 DIRECT BIS VOR/DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2800 THEN CLIMBING RIGHT TURN TO 3500 DIRECT JADAN LOM AND HOLD (ADF REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 209.00 INBOUND.
CHART FAS OBST: 1759 BUSH 464433N/1004258W
CHART: ASR.
CHART BIS R-263 AT HIPNU.
CHART BIS R-055 AT YIRNU.
CHART IN PLANVIEW: (DNDKB) AT 463706.07N/1003232.90W

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE JADAN LOM, RT, 310.60 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
3. FAC: 310.60 FAF: JADAN LOM DIST FAF TO MAP: 5.53 THLD: 5.53
4. MIN. ALT: JADAN LOM 3500, OFTEN INT 2300*
5. DIST TO THLD FROM OM: 5.53 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 934
6. MIN GS INCPT: 3500 GS ALT AT: - OM: 3483 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 48.1
8. MSA FROM: BI LOM 020-170 3600, 170-020 4500

MAG VAR: 7E 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 31**	1845	2400	200	1845	2400	200	1845	2400	200	1845	2400	200			
S-LOC 31	2300	2400	655	2300	2400	655	2300	1 3/8	655	2300	1 3/8	655			
CIRCLING	2300	1	639	2300	1	639	2300	1 7/8	639	2320	2	659			
OFTEN FIX MINIMUMS (DUAL VOR RECEIVERS REQUIRED)															
S-LOC 31	2020	2400	375	2020	2400	375	2020	3500	375	2020	3500	375			
CIRCLING	2240	1	579	2240	1	579	2240	1 1/2	579	2320	2	659			

NOTES:
CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
*LOC ONLY

CAT A, B, C, D 700-2
#@ NA WHEN CONTROL TOWER CLOSED.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1645	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	I-BIS	ILS OR LOC RWY 31, AMDT 33 05 MAY 2011	AMDT: 32F
				DATED 08/26/2010

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1645	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	I-BIS	ILS OR LOC RWY 31, AMDT 33 05 MAY 2011	AMDT: 32F
				DATED: 08/26/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC PACKET - 424-18 - ILS

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAD        BIS    K3011650VDLA N46454234W100395547     N46454234W100395547E0120018541      NARBISMARCK

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   HIPNU K30    R   L N46465778W101030781                    E0069     NAR           HIPNU
       SUSAEAENRT   JADAN K30    W     N46415312W100385220                    E0066     NAR           JADAN LOM
       SUSAEAENRT   WIGAG K30    R     N46323577W100263717                    E0065     NAR           WIGAG
       SUSAEAENRT   YIRNU K30    R   L N46515357W100182658                    E0064     NAR           YIRNU

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KBISK3ABIS     0     087YHN46462180W100444470E007001661        1800018000C    MNAR    BISMARCK MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KBISK3FI31   ABIS   010BIS  K3D 0V      IF                                          18000                  0 NS
       SUSAP KBISK3FI31   ABIS   020JADANK3EA0EY     TF                                  + 03500                        0 NS
       SUSAP KBISK3FI31   ABIS   030JADANK3EA0EE AR  HF BIS K3      157200393106T010D   + 03500                        0 NS
       SUSAP KBISK3FI31   AHIPNU 010HIPNUK3EA0E  A   IF BIS K3      26270160        D               18000                  0 NS
       SUSAP KBISK3FI31   AHIPNU 020WIGAGK3EA0EE BL  AF BIS K3      133001602630    D   + 03900                        0 NS
       SUSAP KBISK3FI31   AYIRNU 010YIRNUK3EA0E  A   IF BIS K3      05510160        D               18000                  0 NS
       SUSAP KBISK3FI31   AYIRNU 020WIGAGK3EA0EE BR  AF BIS K3      133001600550    D   + 03900                        0 NS
       SUSAP KBISK3FI31   I      010WIGAGK3EA0E  I   IF IBISK3      13060197        PI  J 039000350018000                  0 NS
       SUSAP KBISK3FI31   I      020JADANK3EA0E  F   CF IBISK3      1306007131100126PI  H 0350003483        -300BI    K3PN0 NS
       SUSAP KBISK3FI31   I      030RW31 K3PG0GY M   CF IBISK3      1306001631100055PI    01693             -300           0 NS
       SUSAP KBISK3FI31   I      040         0  M    CA                     3106        + 02800                        0 NS
       SUSAP KBISK3FI31   I      050BIS  K3D 0VY  R  DF                                 + 03600                        0 NS
       SUSAP KBISK3FI31   I      060BIS  K3D 0VE  R  HM                     2090T010    + 03600                        0 NS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KBISK3GRW31    0087943106 N46455815W100441723+0100    +047990164500004815OIIBIS1

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KBISK3IIBIS1   011030RW31 N46470948W1004552083106N46460761W1004422040995 09340410300E00704801642
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: **1661** THRE: **1645**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: **BISMARCK MUNI**	**I-BIS**	**ILS OR LOC RWY 31, AMDT 33** 05 MAY 2011	AMDT: **32F**
				DATED: **08/26/2010**

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KBISK3SBI   K3PN              0   200350036253502000 4525                                                    M

          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAPNKBISK3 BI    K3002300HOLW N46415252W100385136                    E0070          NARJADAN
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1645	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	I-BIS	ILS OR LOC RWY 31, AMDT 33 05 MAY 2011	AMDT: 32F
				DATED: 08/26/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BIS	BIS	010		IF		FB					
	BIS	JADAN	020		TF		FO				AA 03500	
	BIS	JADAN	030	IAF	HF	R	FO		310.6()	T01.0	AA 03500	
	HIPNU	HIPNU	010	IAF	IF		FB					
	HIPNU	WIGAG	020		AF	L	FB		263.0()		AA 03900	
	YIRNU	YIRNU	010	IAF	IF		FB					
	YIRNU	WIGAG	020		AF	R	FB		055.0()		AA 03900	
		WIGAG	010	FACF	IF		FB				AA 03900 GI 03500	
		JADAN	020	FAF	CF		FB		311.0()	012.6	GI 03500 GS 03483	
		RW31	030	MAP	CF		FO		311.0()	005.5	AT 01693	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		310.6()		AA 02800	
	BIS	050		DF	R	FO				AA 03600	
	BIS	060		HM	R	FO		209.0()	T01.0	AA 03600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BIS	N464542.34	W1003955.47	N4645.706	W10039.925
	HIPNU	N464657.78	W1010307.81	N4646.963	W10103.130
	JADAN	N464153.12	W1003852.20	N4641.885	W10038.870
	WIGAG	N463235.77	W1002637.17	N4632.596	W10026.620
	YIRNU	N465153.57	W1001826.58	N4651.893	W10018.443
	RW31	N464558.15	W1004417.23	N4645.969	W10044.287
	IBIS (LOC)	N464709.48	W1004552.08	N4647.158	W10045.868
	BI	N464152.52	W1003851.36	N4641.875	W10038.856

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	01645	48

QUALITY CHECKED

CITY AND STATE	ELEVATION: **1661** THRE: **1645**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: **BISMARCK MUNI**	**I-BIS**	**ILS OR LOC RWY 31, AMDT 33** 05 MAY 2011	AMDT: **32F**
				DATED: **08/26/2010**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BIS VOR/DME	AXAXE (FO)	222.73 / 14.57	4500
CENTR	AXAXE (FO)	152.46 / 25.93	4500
SAILM	AXAXE (FO)	122.22 / 17.93	4500
OHROR (IAF)	AXAXE (NOPT) (FB)	318.25 / 7.44	4500
AXAXE (IF/IAF)	JEBIR (FB)	031.89 / 5.95	3700
JEBIR (FAF)	UPERE/2.50 NM TO RW03 (FB)	031.95 / 3.75	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW03

CLIMB TO 4000 DIRECT HUFMU AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW AXAXE, RT, 031.89 INBOUND, 4500 FT. IN LIEU OF PT (IAF)
3. FAC: 031.95 FAF: JEBIR DIST FAF TO MAP: 6.25 THLD: 6.25
4. MIN. ALT: AXAXE 4500, JEBIR 3700, UPERE/2.50 NM TO RW03 2500*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3700 GS ALT AT: JEBIR 3700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 48.2 34:1 IS CLEAR
8. MSA FROM: RW03 4500

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 212.17 INBOUND.
CHART FAS OBST: 1779 TREE 464445N/1004529W
CHART: ASR.
DISTANCE TO THLD FROM 200 HATH: 0.48 NM.
CHART VDP AT 1.04 MILES TO RW03*
*LNAV ONLY.
WAAS CHANNEL # 63099
REFERENCE PATH ID: W03A
LTP HAE: 484.7 M

MAG VAR: 7E 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	1861	3/4	200	1861	3/4	200	1861	3/4	200	1861	3/4	200			
LNAV/VNAV DA	2081	1 3/8	420	2081	1 3/8	420	2081	1 3/8	420	2081	1 3/8	420			
LNAV MDA	2040	1	379	2040	1	379	2040	1	379	2040	1	379			
CIRCLING	2240	1	579	2240	1	579	2240	1 1/2	579	2320	2	659			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 33C (91F).
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BIS VOR/DME AIRWAY RADIALS 159 CW 192.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1661	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	RNAV	RNAV (GPS) RWY 3, AMDT 2 05 MAY 2011	AMDT: 1
				DATED 04/13/2006

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UPERE/2.50 NM TO RW03	RW03 (MAP) (FO)	031.99 / 2.50	
RW03 (MAP)	1861 MSL	031.99	
1861 MSL	HUFMU (FO)		4000

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1661	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	RNAV	RNAV (GPS) RWY 3, AMDT 2 05 MAY 2011	AMDT: 1 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	KBIS
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	464545.4200N
LTP/FTP LONGITUDE	1004454.2935W
LTP/FTP ELLIPSOIDAL HEIGHT	+04847
FPAP LATITUDE	464654.6100N
FPAP LONGITUDE	1004332.6600W
THRESHOLD CROSSING HEIGHT (TCH)	00048.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0736
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	20CF6437

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05062
FPAP ORTHOMETRIC HEIGHT	+05062

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1661	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	RNAV	RNAV (GPS) RWY 3, AMDT 2 05 MAY 2011	AMDT: 1
				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.

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        BIS   K3011650VDLA N46454234W100395547    N46454234W100395547E0120018541     NARBISMARCK

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   AXAXE K30    W     N46361640W100560271                    E0070     NAR          AXAXE
       SUSAEAENRT   CENTR K30    C   L N47003336W101091422                    E0071     NAR          CENTR
       SUSAEAENRT   HUFMU K30    W     N46555448W100325285                    E0067     NAR          HUFMU
       SUSAEAENRT   JEBIR K30    W     N46405396W100503731                    E0069     NAR          JEBIR
       SUSAEAENRT   OHROR K30    C   L N46300966W100495347                    E0069     NAR          OHROR
       SUSAEAENRT   SAILM K30    C   L N46473819W101161141                    E0072     NAR          SAILM
       SUSAEAENRT   UPERE K30    W     N46434891W100471158                    E0069     NAR          UPERE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KBISK3ABIS     0     087YHN46462180W100444470E007001661        1800018000C    MNAR    BISMARCK MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KBISK3FR03   ABIS   010BIS  K3D 0V       IF                                                  18000                A JS
       SUSAP KBISK3FR03   ABIS   020AXAXEK3EA0EY   020TF                    22270146    + 04500                                A JS
       SUSAP KBISK3FR03   ABIS   030AXAXEK3EA0EE AR   HF                    03190050    + 04500                                A JS
       SUSAP KBISK3FR03   ACENTR 010CENTRK3EA0E       IF                                                  18000                A JS
       SUSAP KBISK3FR03   ACENTR 020AXAXEK3EA0EY   020TF                    15250259    + 04500                                A JS
       SUSAP KBISK3FR03   ACENTR 030AXAXEK3EA0EE AR   HF                    03190050    + 04500                                A JS
       SUSAP KBISK3FR03   AOHROR 010OHRORK3EA0E  A    IF                                                  18000                A JS
       SUSAP KBISK3FR03   AOHROR 020AXAXEK3EA0EE B 010TF                    31830074    + 04500                                A JS
       SUSAP KBISK3FR03   ASAILM 010SAILMK3EA0E       IF                                                  18000                A JS
       SUSAP KBISK3FR03   ASAILM 020AXAXEK3EA0EY   020TF                    12220179    + 04500                                A JS
       SUSAP KBISK3FR03   ASAILM 030AXAXEK3EA0EE AR   HF                    03190050    + 04500                                A JS
       SUSAP KBISK3FR03   R       010AXAXEK3EA0E  I    IF                                + 04500     18000                      A JS
       SUSAP KBISK3FR03   R       020JEBIRK3EA1E  F 051TF                    03190060    + 03700                RW03  K3PGA JS
       SUSAP KBISK3FR03   R       020JEBIRK3EA2WALPV       ALNAV/VNAV ALNAV                                                     JS
       SUSAP KBISK3FR03   R       021UPEREK3EA0E S  031TF                    03200038    V 0250002505        -300             A JS
```

QUALITY A Cycle

CITY AND STATE	ELEVATION: 1661 THRE: 1661	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: **BISMARCK MUNI**	**RNAV**	**RNAV (GPS) RWY 3, AMDT 2** 05 MAY 2011	AMDT: **1**
				DATED: **04/13/2006**

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```
          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3FR03   R      030RW03 K3PG0GY M 031TF                    03200025      01709            -300          A JS
        SUSAP KBISK3FR03   R      040         0  M  010CA                    0320        + 01861                        A JS
        SUSAP KBISK3FR03   R      050HUFMUK3EA0EY   010DF                                + 04000                        A JS
        SUSAP KBISK3FR03   R      060HUFMUK3EA0EE  R020HM                    21220040    + 04000                        A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3GRW03    0066000320 N46454542W100445429+0000    +0484701661000048100R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3PR03   RW03 001 0000W03A0N4645454200W10044542935+048470300N4646546100W10043326600106750736000482F40035020CF6437
        SUSAP KBISK3PR03   RW03 002E      +05062+05062LPV       63099

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3SRW03 K3PG              0   18018004525                                                          M
```

CITY AND STATE	ELEVATION: 1661 THRE: 1661	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: **BISMARCK MUNI**	**RNAV**	**RNAV (GPS) RWY 3, AMDT 2** 05 MAY 2011	AMDT: **1**
				DATED: ***04/13/2006***

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BIS VOR/DME	WIMTO (FO)	303.77 / 17.00	3800
SANDD	WIMTO (FO)	265.60 / 35.93	4100
CENTR (IAF)	WIMTO (NOPT) (FB)	110.64 / 8.14	3800
SAILM (IAF)	WIMTO (NOPT) (FB)	045.56 / 15.08	3800
WILTN (IAF)	WIMTO (NOPT) (FB)	215.59 / 11.12	3800
WIMTO (IF/IAF)	OMUGE (FB)	130.42 / 7.29	3600
OMUGE (FAF)	JABVU/2.10 NM TO RW13 (FB)	130.51 / 3.83	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

CLIMB TO 3700 DIRECT JUMGU AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW WIMTO, RT, 130.42 INBOUND, 3800 FT. IN LIEU OF PT (IAF)
3. FAC: 130.51 FAF: OMUGE DIST FAF TO MAP: 5.93 THLD: 5.93
4. MIN. ALT: WIMTO 3800, OMUGE 3600, JABVU/2.10 NM TO RW13 2380*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3600 GS ALT AT: OMUGE 3600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 58.0 34:1 IS CLEAR
8. MSA FROM: RW13 4500

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 310.74 INBOUND.
CHART FAS OBST: 1779 TREE 464802N/1004620W
CHART FAS OBST: 1833 WX BEACON 464830N/1004701W
CHART: 1901 TANK 464856N/1004733W
CHART: ASR.
DISTANCE TO THLD FROM 200 HATH: 0.44 NM.
CHART VDP AT 1.22 MILES TO RW13*
*LNAV ONLY.
WAAS CHANNEL # 86920
REFERENCE PATH ID: W13A
LTP HAE: 482.8 M

MAG VAR: 7E 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	1854	3/4	200	1854	3/4	200	1854	3/4	200	1854	3/4	200			
LNAV/VNAV DA	2082	1 3/8	428	2082	1 3/8	428	2082	1 3/8	428	2082	1 3/8	428			
LNAV MDA	2100	1	446	2100	1	446	2100	1 3/8	446	2100	1 3/8	446			
CIRCLING	2240	1	579	2240	1	579	2240	1 1/2	579	2320	2	659			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 33C (91F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT BIS VOR/DME ON V169 SOUTHWEST BOUND.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1654	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI		RNAV (GPS) RWY 13, ORIG 05 MAY 2011	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
JABVU/2.10 NM TO RW13	RW13 (MAP) (FO)	130.56 / 2.10	
RW13 (MAP)	1854 MSL	130.56	
1854 MSL	JUMGU (FO)		3700

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1654	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	RNAV	RNAV (GPS) RWY 13, ORIG 05 MAY 2011	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	KBIS
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	464702.2295N
LTP/FTP LONGITUDE	1004542.4310W
LTP/FTP ELLIPSOIDAL HEIGHT	+04828
FPAP LATITUDE	464556.4700N
FPAP LONGITUDE	1004415.0000W
THRESHOLD CROSSING HEIGHT (TCH)	00058.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	DBD58A67

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05043
FPAP ORTHOMETRIC HEIGHT	+05043

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1654	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	RNAV	RNAV (GPS) RWY 13, ORIG 05 MAY 2011	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        BIS   K3011650VDLA N46454234W100395547    N46454234W100395547E0120018541     NARBISMARCK

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   CENTR K30    C   L N47003336W101091422                    E0071     NAR          CENTR
       SUSAEAENRT   JABVU K30    C     N46483519W100474617                    E0069     NAR          JABVU
       SUSAEAENRT   JUMGU K30    C     N46370607W100323290                    E0067     NAR          JUMGU
       SUSAEAENRT   OMUGE K30    W     N46512449W100513198                    E0069     NAR          OMUGE
       SUSAEAENRT   SAILM K30    C   L N46473819W101161141                    E0072     NAR          SAILM
       SUSAEAENRT   SANDD K30    R   L N46552061W100061941                    E0063     NAR          SANDD
       SUSAEAENRT   WILTN K30    C   L N47045809W100474384                    E0069     NAR          WILTN
       SUSAEAENRT   WIMTO K30    C     N46564653W100584304                    E0070     NAR          WIMTO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KBISK3ABIS     0     087YHN46462180W100444470E007001661        1800018000C    MNAR    BISMARCK MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KBISK3FR13   ABIS   010BIS  K3D 0V       IF                                          18000                A JS
       SUSAP KBISK3FR13   ABIS   020WIMTOK3EA0EY   020TF                30380170    + 03800                          A JS
       SUSAP KBISK3FR13   ABIS   030WIMTOK3EA0EE AR   HF               13040040    + 03800                          A JS
       SUSAP KBISK3FR13   ACENTR 010CENTRK3EA0E  A    IF                                          18000                A JS
       SUSAP KBISK3FR13   ACENTR 020WIMTOK3EA0EE B 010TF                11060081    + 03800                          A JS
       SUSAP KBISK3FR13   ASAILM 010SAILMK3EA0E  A    IF                                          18000                A JS
       SUSAP KBISK3FR13   ASAILM 020WIMTOK3EA0EE B 010TF                04560151    + 03800                          A JS
       SUSAP KBISK3FR13   ASANDD 010SANDDK3EA0E       IF                                          18000                A JS
       SUSAP KBISK3FR13   ASANDD 020WIMTOK3EA0EY   020TF                26560359    + 04100                          A JS
       SUSAP KBISK3FR13   ASANDD 030WIMTOK3EA0EE AR   HF               13040040    + 03800                          A JS
       SUSAP KBISK3FR13   AWILTN 010WILTNK3EA0E  A    IF                                          18000                A JS
       SUSAP KBISK3FR13   AWILTN 020WIMTOK3EA0EE B 010TF                21560111    + 03800                          A JS
       SUSAP KBISK3FR13   R      010WIMTOK3EA0E  I    IF                          + 03800    18000                 A JS
       SUSAP KBISK3FR13   R      020OMUGEK3EA1E  F 051TF                13040073    + 03600                RW13  K3PGA JS
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1654	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: **BISMARCK MUNI**	**RNAV**	**RNAV (GPS) RWY 13, ORIG** 05 MAY 2011	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3FR13   R      020OMUGEK3EA2WALPV       ALNAV/VNAV ALNAV                                              JS
        SUSAP KBISK3FR13   R      021JABVUK3EA0E S  031TF                      13050038    V 0238002381        -300        A JS
        SUSAP KBISK3FR13   R      030RW13 K3PG0GY M 031TF                      13060021      01712             -300        A JS
        SUSAP KBISK3FR13   R      040         0  M  010CA                      1306        + 01854                       A JS
        SUSAP KBISK3FR13   R      050JUMGUK3EA0EY   010DF                                  + 03700                       A JS
        SUSAP KBISK3FR13   R      060JUMGUK3EA0EE  R020HM                      31070040    + 03700                       A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3GRW13    0087941306 N46470223W100454243-0100    +0482801654000058150I

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3PR13   RW13 001 0000W13A0N4647022295W10045424310+048280300N4645564700W1004415000010675007200058OF400350DBD58A67
        SUSAP KBISK3PR13   RW13 002E      +05043+05043LPV       86920

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3SRW13 K3PG              0   18018004525                                                              M
```

QUALITY 4 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:		
BISMARCK, ND	**ELEVATION: 1661** **THRE: 1654** AIRPORT NAME: **BISMARCK MUNI**	**RNAV**	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: **RNAV (GPS) RWY 13, ORIG** 05 MAY 2011	SUP: 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
BIS VOR/DME	HUFMU (FO)	018.30 / 11.29	4000
SAILM	HUFMU (FO)	067.18 / 30.85	4000
STIEL (IAF)	HUFMU (NOPT) (FB)	282.23 / 21.06	4000
HUFMU (IF/IAF)	EHTIP (FB)	212.17 / 6.06	3600
EHTIP (FAF)	WULAB/2.50 NM TO RW21 (FB)	212.11 / 3.44	
WULAB/2.50 NM TO RW21	RW21 (MAP) (FO)	212.07 / 2.50	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW21

CLIMB TO 4500 DIRECT AXAXE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE HUFMU, RT, 212.17 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 212.11 FAF: EHTIP DIST FAF TO MAP: 5.94 THLD: 5.94
4. MIN. ALT: HUFMU 4000, EHTIP 3600, WULAB/2.50 NM TO RW21 2500*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3600 GS ALT AT: EHTIP 3600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 48.2 34:1 IS NOT CLEAR
8. MSA FROM: RW21 4500

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 031.89 INBOUND.
CHART FAS OBST: 1799 TREE 464704N/1004215W
CHART FAS OBST: 1852 POWERLINE 464810N/1004305W
CHART: ASR.
DISTANCE TO THLD FROM 250 HATH: 0.63 NM.
WAAS CHANNEL # 53520
REFERENCE PATH ID: W21A
LTP HAE: 484.8 M

MAG VAR: 7E 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	1911	1	250	1911	1	250	1911	1	250	1911	1	250			
LNAV/VNAV DA	2105	1 1/2	444	2105	1 1/2	444	2105	1 1/2	444	2105	1 1/2	444			
LNAV MDA	2120	1	459	2120	1	459	2120	1 3/8	459	2120	1 3/8	459			
CIRCLING	2240	1	579	2240	1	579	2240	1 1/2	579	2320	2	659			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 33C (91F).
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
(SEE FORM 8260-10)

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1661	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	RNAV	RNAV (GPS) RWY 21, AMDT 1 05 MAY 2011	AMDT: ORIG-C DATED 12/13/2002

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW21 (MAP)	1911 MSL	212.07	
1911 MSL	AXAXE (FO)		4500

NOTES, (CONT.):
*LNAV ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BIS VOR/DME AIRWAY RADIALS 295 CW 055.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1661	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	RNAV	RNAV (GPS) RWY 21, AMDT 1 05 MAY 2011	AMDT: ORIG-C
				DATED: 12/13/2002

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBIS
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	464636.0190N
LTP/FTP LONGITUDE	1004354.5865W
LTP/FTP ELLIPSOIDAL HEIGHT	+04848
FPAP LATITUDE	464526.8400N
FPAP LONGITUDE	1004516.2200W
THRESHOLD CROSSING HEIGHT (TCH)	00048.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0736
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	152E78B8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05064
FPAP ORTHOMETRIC HEIGHT	+05064

CHECK

CITY AND STATE	ELEVATION: 1661 THRE: 1661	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	RNAV	RNAV (GPS) RWY 21, AMDT 1 05 MAY 2011	AMDT: ORIG-C
				DATED: 12/13/2002

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD        BIS   K3011650VDLA N46454234W100395547    N46454234W100395547E0120018541     NARBISMARCK

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AXAXE K30    W     N46361640W100560271                    E0070     NAR          AXAXE
        SUSAEAENRT   EHTIP K30    W     N46511241W100382772                    E0067     NAR          EHTIP
        SUSAEAENRT   HUFMU K30    W     N46555448W100325285                    E0067     NAR          HUFMU
        SUSAEAENRT   SAILM K30    C   L N46473819W101161141                    E0072     NAR          SAILM
        SUSAEAENRT   STIEL K30    C   L N46490215W100035188                    E0063     NAR          STIEL
        SUSAEAENRT   WULAB K30    W     N46483245W100413704                    E0068     NAR          WULAB

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3ABIS     0     087YHN46462180W100444470E007001661          1800018000C    MNAR    BISMARCK MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3FR21   ABIS   010BIS  K3D 0V       IF                                                18000                A JS
        SUSAP KBISK3FR21   ABIS   020HUFMUK3EA0EY   020TF                    01830113    + 04000                              A JS
        SUSAP KBISK3FR21   ABIS   030HUFMUK3EA0EE AR   HF                    21220040    + 04000                              A JS
        SUSAP KBISK3FR21   ASAILM 010SAILMK3EA0E       IF                                                18000                A JS
        SUSAP KBISK3FR21   ASAILM 020HUFMUK3EA0EY   020TF                    06720309    + 04000                              A JS
        SUSAP KBISK3FR21   ASAILM 030HUFMUK3EA0EE AR   HF                    21220040    + 04000                              A JS
        SUSAP KBISK3FR21   ASTIEL 010STIELK3EA0E  A    IF                                                18000                A JS
        SUSAP KBISK3FR21   ASTIEL 020HUFMUK3EA0EE B 010TF                    28220211    + 04000                              A JS
        SUSAP KBISK3FR21   R      010HUFMUK3EA0E  I    IF                                + 04000     18000                    A JS
        SUSAP KBISK3FR21   R      020EHTIPK3EA1E  F 051TF                    21220061    + 03600                RW21  K3PGA JS
        SUSAP KBISK3FR21   R      020EHTIPK3EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
        SUSAP KBISK3FR21   R      021WULABK3EA0E S  031TF                    21210034    V 0250002505        -300             A JS
        SUSAP KBISK3FR21   R      030RW21 K3PG0GY M 031TF                    21210025      01710             -300             A JS
        SUSAP KBISK3FR21   R      040          0  M  010CA                    2121        + 01911                            A JS
        SUSAP KBISK3FR21   R      050AXAXEK3EA0EY   010DF                                + 04500                              A JS
        SUSAP KBISK3FR21   R      060AXAXEK3EA0EE  R020HM                    03190050    + 04500                              A JS
```

QUALITY 4

CITY AND STATE	ELEVATION: 1661 THRE: 1661	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: **BISMARCK MUNI**	**RNAV**	**RNAV (GPS) RWY 21, AMDT 1** 05 MAY 2011	AMDT: **ORIG-C**
				DATED: **12/13/2002**

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KBISK3GRW21     0066002120 N46463602W100435459+0000     +0484801661000048100R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KBISK3PR21    RW21 001 0000W21A0N4646360190W10043545865+048480300N4645268400W10045162200106750736000482F400500152E78B8
          SUSAP KBISK3PR21    RW21 002E       +05064+05064LPV        53520

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KBISK3SRW21 K3PG               0    18018004525                                                              M
```

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
BISMARCK, ND	**ELEVATION: 1661** **THRE: 1661** AIRPORT NAME: **BISMARCK MUNI**	**RNAV**	**RNAV (GPS) RWY 21, AMDT 1** 05 MAY 2011	SUP: AMDT: **ORIG-C** DATED: **12/13/2002**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BIS VOR/DME	JUMGU (FO)	142.42 / 9.99	3700
LINTN (IAF)	JUMGU (NOPT) (FB)	357.75 / 16.16	3700
MOFIT (IAF)	JUMGU (NOPT) (FB)	284.52 / 11.17	3700
STIEL (IAF)	JUMGU (NOPT) (FB)	232.00 / 23.07	3700
JUMGU (IF/IAF)	ICONO (FB)	310.74 / 6.33	3500
ICONO (FAF)	CUCAY/2.00 NM TO RW31 (FB)	310.67 / 3.67	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 3800 DIRECT WIMTO AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 130.42 INBOUND.
CHART FAS OBST: 1929 TREE 464438N/1004341W
CHART: ASR.
DISTANCE TO THLD FROM 200 HATH: 0.48 NM.
WAAS CHANNEL # 56599
REFERENCE PATH ID: W31A
LTP HAE: 479.9 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE JUMGU, RT, 310.74 INBOUND, 3700 FT. IN LIEU OF PT (IAF)
3. FAC: 310.67 FAF: ICONO DIST FAF TO MAP: 5.67 THLD: 5.67
4. MIN. ALT: JUMGU 3700, ICONO 3500, CUCAY/2.00 NM TO RW31 2320*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3500 GS ALT AT: ICONO 3500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 48.1 34:1 IS CLEAR
8. MSA FROM: RW31 4500

MAG VAR: 7E 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	1845	2400	200	1845	2400	200	1845	2400	200	1845	2400	200			
LNAV/VNAV DA	2269	1 3/4	624	2269	1 3/4	624	2269	1 3/4	624	2269	1 3/4	624			
LNAV MDA	2180	2400	535	2180	2400	535	2180	5500	535	2180	5500	535			
CIRCLING	2240	1	579	2240	1	579	2240	1 1/2	579	2320	2	659			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 33C (91F).
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BIS VOR/DME AIRWAY RADIALS 055 CW 192.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1645 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	BISMARCK MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 05 MAY 2011	AMDT: ORIG-A DATED 07/31/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CUCAY/2.00 NM TO RW31	RW31 (MAP) (FO)	310.62 / 2.00	
RW31 (MAP)	1845 MSL	310.62	
1845 MSL	WIMTO (FO)		3800

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1645	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 05 MAY 2011	AMDT: ORIG-A DATED: 07/31/2008

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	KBIS
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	464558.1450N
LTP/FTP LONGITUDE	1004417.2310W
LTP/FTP ELLIPSOIDAL HEIGHT	+04799
FPAP LATITUDE	464703.9100N
FPAP LONGITUDE	1004544.6600W
THRESHOLD CROSSING HEIGHT (TCH)	00048.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	46DA911B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05014
FPAP ORTHOMETRIC HEIGHT	+05014

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: 1645	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: BISMARCK MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 05 MAY 2011	AMDT: ORIG-A
				DATED: 07/31/2008

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)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAD        BIS    K3011650VDLA N46454234W100395547     N46454234W100395547E0120018541     NARBISMARCK

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   CUCAY K30    W      N46442956W100421958                    E0068     NAR           CUCAY
       SUSAEAENRT   ICONO K30    W      N46414674W100384375                    E0068     NAR           ICONO
       SUSAEAENRT   JUMGU K30    C      N46370607W100323290                    E0067     NAR           JUMGU
       SUSAEAENRT   LINTN K30    C    L N46205988W100342934                    E0067     NAR           LINTN
       SUSAEAENRT   MOFIT K30    C    L N46330137W100172881                    E0065     NAR           MOFIT
       SUSAEAENRT   STIEL K30    C    L N46490215W100035188                    E0063     NAR           STIEL
       SUSAEAENRT   WIMTO K30    C      N46564653W100584304                    E0070     NAR           WIMTO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KBISK3ABIS      0      087YHN46462180W100444470E007001661          1800018000C    MNAR     BISMARCK MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ----------------------------------------------------------------------------------------------------------------------------
       SUSAP KBISK3FR31   ABIS    010BIS  K3D 0V       IF                                                  18000                A JS
       SUSAP KBISK3FR31   ABIS    020JUMGUK3EA0EY   020TF                    14240100    + 03700                                 A JS
       SUSAP KBISK3FR31   ABIS    030JUMGUK3EA0EE AR   HF                    31070040    + 03700                                 A JS
       SUSAP KBISK3FR31   ALINTN  010LINTNK3EA0E  A    IF                                                  18000                A JS
       SUSAP KBISK3FR31   ALINTN  020JUMGUK3EA0EE B 010TF                    35780162    + 03700                                 A JS
       SUSAP KBISK3FR31   AMOFIT  010MOFITK3EA0E  A    IF                                                  18000                A JS
       SUSAP KBISK3FR31   AMOFIT  020JUMGUK3EA0EE B 010TF                    28450112    + 03700                                 A JS
       SUSAP KBISK3FR31   ASTIEL  010STIELK3EA0E  A    IF                                                  18000                A JS
       SUSAP KBISK3FR31   ASTIEL  020JUMGUK3EA0EE B 010TF                    23200231    + 03700                                 A JS
       SUSAP KBISK3FR31   R       010JUMGUK3EA0E  I    IF                                + 03700     18000                      A JS
       SUSAP KBISK3FR31   R       020ICONOK3EA1E  F 051TF                    31070063    + 03500                 RW31  K3PGA  A JS
       SUSAP KBISK3FR31   R       020ICONOK3EA2WALPV       ALNAV/VNAV ALNAV                                                       JS
       SUSAP KBISK3FR31   R       021CUCAYK3EA0E S  031TF                    31070037    V 0232002330        -300               A JS
       SUSAP KBISK3FR31   R       030RW31 K3PG0GY M 031TF                    31060020      01693             -300               A JS
       SUSAP KBISK3FR31   R       040         0  M  010CA                    3106        + 01845                              A JS
```

CITY AND STATE	ELEVATION: 1661 THRE: 1645	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BISMARCK, ND	AIRPORT NAME: **BISMARCK MUNI**	**RNAV**	**RNAV (GPS) RWY 31, AMDT 1** 05 MAY 2011	AMDT: **ORIG-A**
				DATED: **07/31/2008**

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          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3FR31   R      050WIMTOK3EA0EY   010DF                                  + 03800                          A JS
        SUSAP KBISK3FR31   R      060WIMTOK3EA0EE  R020HM                      13040040    + 03800                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3GRW31    0087943106 N46455815W100441723+0100    +0479901645000048150I

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3PR31   RW31 001 0000W31A0N4645581450W10044172310+047990300N4647039100W100454466001067500720004 81F40035046DA911B
        SUSAP KBISK3PR31   RW31 002E      +05014+05014LPV       56599

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBISK3SRW31 K3PG               0   18018004525                                                              M
```

QUALITY A CHECK

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
ODUBY/7.00 DME CW (IAF)	ORVUE/ 7.00 DME (NOPT)	7.00 DME ARC	3400
ODUFA/7.00 DME CCW (IAF)	ORVUE/ 7.00 DME (NOPT)	7.00 DME ARC	3400
ORVUE/ 7.00 DME (IF)	BIS VOR/DME	271.00 / 7.00	3300

MISSED APPROACH

MAP: 2.87 MILES AFTER BIS VOR/DME OR AT WINFY/2.87 DME FIX

CLIMB TO 3000 THEN CLIMBING RIGHT TURN TO 3500 DIRECT BIS VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 1845 TOWER 464610N/1004201W
CHART: 1959 TREE 464541N/1003956W
CHART: ASR.
CHART BIS R-159 AT ODUFA.
CHART BIS R-029 AT ODUBY.
FAC CROSSES MID POINT OF RWY 13-31.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E BIS VOR/DME, RT, 271.00 INBOUND, 3300 FT. IN LIEU OF PT (IAF)
3. FAC 271.00 FAF BIS VOR/DME DIST FAF TO MAP 2.87 THLD ____
4. MIN. ALT BIS VOR/DME 3300
8. MSA FROM: BIS VOR/DME 010-170 3600, 170-010 4500

MAG VAR: 12E 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
CIRCLING	2240	1	579	2240	1	579	2240	1 1/2	579	2320	2	659			

NOTES:

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1661 THRE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
BISMARCK, ND	BISMARCK MUNI	BIS	VOR-A, AMDT 21 05 MAY 2011	AMDT 20 DATE 04/13/2006

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

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
WALHALLA, NORTH DAKOTA	WALHALLA MUNICIPAL	05 MAY 2011	ORIG

TAKEOFF MINIMUMS:

RWY 15, 400-2 3/4 OR STANDARD WITH A MINIMUM CLIMB GRADIENT OF 260 FT PER NM TO 1500.
RWY 33, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 15: CLIMB HEADING 164.01 TO 1500 BEFORE TURNING RIGHT.

TAKEOFF OBSTACLE NOTES:

RWY 15, VEHICLES ON ROADWAY BEGINNING 478 FT FROM DER, 583 FT RIGHT OF CENTERLINE, 15 FT AGL/969 FT MSL. TREES BEGINNING 734 FT FROM DER, 623 FT RIGHT TO 708 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1054 FT MSL. RWY 33, TREES BEGINNING 53 FT FROM DER, 12 FT LEFT TO 654 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1049 FT MSL. POWERLINES BEGINNING 81 FT FROM DER, 266 FT LEFT OF CENTERLINE, UP TO 70 FT AGL/1019 FT MSL. VEHICLES ON ROADWAY BEGINNING 113 FT FROM DER, 490 FT LEFT OF CENTERLINE, 15 FT AGL/964 FT MSL.

CONTROLLING OBSTACLES:

RWY 15: 1289 FT MSL TREE 485424.54N/0975414.45W, 1299 FT MSL TREE 485418.84N/0975407.47W, 1301 FT MSL TREE 485409.00N/0975357.00W, 1299 FT MSL TREE 485357.76N/0975341.57W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 15 - 1481 FT MSL TOWER 485454.00N/0975548.00W.

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
ONL VORTAC	WABEX (FB)	062.07 / 25.85	4000
TYNDA	WABEX (FB)	207.44 / 26.61	4000
WABEX (IAF)	JIPEV (FB)	125.13 / 5.00	4000
JIPEV (IF)	AKUBE (FB)	125.19 / 4.98	3300
AKUBE *(FAF)*	HISUV/3.07 NM TO RW13	125.25 / 2.01	
HISUV/3.07 NM TO RW13	RW13 (MAP) (FO)	125.25 / 3.07	
RW13 (MAP)	1971 MSL	125.25	
1971 MSL	KUCKE (FO)		*4000*

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

CLIMB TO 4000 DIRECT KUCKE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 305.49 INBOUND.
CHART FAS OBST: 1731 TREE 422832N/0975308W
DISTANCE TO THLD FROM 329 HATH: 0.91 NM.
WAAS CHANNEL # 86521
REFERENCE PATH ID: W13A
CHART ARRIVAL HOLDING AT WABEX: HOLD NW, RT, 125.13 INBOUND, 4,000.
1851 AAO 423027N/0975700W
LTP HAE: 475.1 M

1. PT ___ SIDE OF COURSE ___ OUTBOUND ___ FT WITHIN ___ MILES OF ___ (IAF)
2. PROFILE STARTS AT WABEX
3. FAC: 125.25 FAF: AKUBE DIST FAF TO MAP: 5.08 THLD: 5.08
4. MIN. ALT: WABEX 4000, JIPEV 4000, AKUBE 3300, HISUV/3.07 NM TO RW13 2640*
5. DIST TO THLD FROM OM: ___ MM: ___ IM: ___ 150 HAT: ___ 100 HAT: ___ GS ANT: ___
6. MIN GS INCPT: 3300 GS ALT AT: AKUBE 3300 OM: ___ MM: ___ IM: ___
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM: RW13 3500

MAG VAR: 5E EPOCH YEAR: 2010

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1971	1 1/8	329	1971	1 1/8	329		NA			NA				
LNAV/VNAV DA	2021	1 1/4	379	2021	1 1/4	379		NA			NA				
LNAV MDA	2120	1	478	2120	1	478		NA			NA				
CIRCLING	2160	1	507	2500	1 1/4	847		NA			NA				

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON ONL VORTAC AIRWAY RADIALS 039 CW 125.
*LNAV ONLY
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 1653 THRE: 1642 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CREIGHTON, NE	CREIGHTON MUNI	RNAV	RNAV (GPS) RWY 13, ORIG 05 MAY 2011	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: USE YANKTON ALTIMETER SETTING, WHEN NOT RECEIVED, USE O'NEILL ALTIMETER SETTING;
INCREASE ALL DA 7 FEET AND ALL MDA 20 FEET, INCREASE LNAV/VNAV VISIBILITY 1/8 MILE ALL CATS.

CITY AND STATE	ELEVATION: 1653 THRE: 1642	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CREIGHTON, NE	AIRPORT NAME: **CREIGHTON MUNI**	**RNAV**	**RNAV (GPS) RWY 13, ORIG** 05 MAY 2011	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	6K3
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	422830.0495N
LTP/FTP LONGITUDE	0975324.4930W
LTP/FTP ELLIPSOIDAL HEIGHT	+04751
FPAP LATITUDE	422732.3800N
FPAP LONGITUDE	0975152.7000W
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	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	59964955

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05004
FPAP ORTHOMETRIC HEIGHT	+05004

CITY AND STATE	ELEVATION: 1653 THRE: 1642	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CREIGHTON, NE	AIRPORT NAME: CREIGHTON MUNI	RNAV	RNAV (GPS) RWY 13, ORIG 05 MAY 2011	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        ONL    K3011390VTHA N42281381W098411292    N42281381W098411292E0100020302     NARO NEILL

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   AKUBE K30    W     N42314722W097583891                    E0047     NAR          AKUBE
          SUSAEAENRT   HISUV K30    W     N42302921W097563440                    E0046     NAR          HISUV
          SUSAEAENRT   JIPEV K30    W     N42350019W098034754                    E0047     NAR          JIPEV
          SUSAEAENRT   KUCKE K30    W     N42182086W097371898                    E0044     NAR          KUCKE
          SUSAEAENRT   TYNDA K30    C   L N43004319W097493764                    E0045     NAR          TYNDA
          SUSAEAENRT   WABEX K30    W     N42381374W098085801                    E0048     NAR          WABEX

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP 6K3 K3A6K3     0     037YHN42281823W097530567E005001653        1800018000C    MNAR    CREIGHTON MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP 6K3 K3FR13   AONL   010ONL  K3D 0V       IF                                                 18000              A JS
          SUSAP 6K3 K3FR13   AONL   020WABEXK3EA0E  A 020TF                    06210259    + 04000                             A JS
          SUSAP 6K3 K3FR13   AONL   030JIPEVK3EA0EE B 010TF                    12510050    + 04000                             A JS
          SUSAP 6K3 K3FR13   ATYNDA 010TYNDAK3EA0E      IF                                                 18000              A JS
          SUSAP 6K3 K3FR13   ATYNDA 020WABEXK3EA0E  A 020TF                    20740266    + 04000                             A JS
          SUSAP 6K3 K3FR13   ATYNDA 030JIPEVK3EA0EE B 010TF                    12510050    + 04000                             A JS
          SUSAP 6K3 K3FR13   R      010JIPEVK3EA0E  I    IF                                + 04000    18000                    A JS
          SUSAP 6K3 K3FR13   R      020AKUBEK3EA1E  F 051TF                    12520050    + 03300                RW13  K3PGA JS
          SUSAP 6K3 K3FR13   R      020AKUBEK3EA2WALPV      ALNAV/VNAV ALNAV                                                    JS
          SUSAP 6K3 K3FR13   R      021HISUVK3EA0E S  031TF                    12530020    V 0264002645       -300             A JS
          SUSAP 6K3 K3FR13   R      030RW13 K3PG0GY M 031TF                    12530031      01682            -300             A JS
          SUSAP 6K3 K3FR13   R      040         0  M     CA                   1253        + 01971                             A JS
          SUSAP 6K3 K3FR13   R      050KUCKEK3EA0EY      DF                                + 04000                             A JS
          SUSAP 6K3 K3FR13   R      060KUCKEK3EA0EE  R   HM                   30550040    + 04000                             A JS
```

CITY AND STATE	ELEVATION: 1653 THRE: 1642	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CREIGHTON, NE	AIRPORT NAME: CREIGHTON MUNI	RNAV	RNAV (GPS) RWY 13, ORIG 05 MAY 2011	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 6K3 K3GRW13     0037001253 N42283005W097532449+0100     +04751016420000400 60R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP 6K3 K3PR13    RW13 001 0000W13A0N4228300495W09753244930+047510300N4227323800W097515270001067516240004 00F40050059964955
       SUSAP 6K3 K3PR13    RW13 002E       +05004+05004LPV       86521

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------
       SUSAP 6K3 K3SRW13 K3PG                0   18018003525                                                              M
```

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
CREIGHTON, NE	ELEVATION: 1653 THRE: 1642 AIRPORT NAME: CREIGHTON MUNI	RNAV	RNAV (GPS) RWY 13, ORIG 05 MAY 2011	SUP: 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
SAHIW	KUCKE (FB)	357.22 / 28.28	4000
PENDE	KUCKE (FB)	277.41 / 35.66	4000
KUCKE (IAF)	DIGCE (FB)	305.49 / 5.00	4000
DIGCE (IF)	FIRAG (FB)	305.44 / 4.98	3300
FIRAG *(FAF)*	JONEV/2.20 NM TO RW31 (FB)	305.38 / 2.87	
JONEV/2.20 NM TO RW31	RW31 (MAP) (FO)	305.38 / 2.20	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 4000 DIRECT WABEX AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT KUCKE
3. FAC: 305.38 FAF: FIRAG DIST FAF TO MAP: 5.07 THLD: 5.07
4. MIN. ALT: KUCKE 4000, DIGCE 4000, FIRAG 3300, JONEV/2.20 NM TO RW31 2380*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3300 GS ALT AT: FIRAG 3300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM: RW31 3500

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 125.13 INBOUND.
CHART FAS OBST: 1740 TREE 422659N/0975038W
DISTANCE TO THLD FROM 379 HATH: 1.06 NM.
WAAS CHANNEL # 45821
REFERENCE PATH ID: W31A
CHART ARRIVAL HOLDING AT KUCKE: HOLD SE, RT, 305.49 INBOUND, 4,000.
CHART: 2205 TWR 422422N/0974751W
LTP HAE: 475.7 M

MAG VAR: 5E EPOCH YEAR: 2010

MINIMUMS

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

ALTERNATE: N A | X

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	2023	1 1/4	379	2023	1 1/4	379		NA			NA				
LNAV/VNAV DA	2023	1 1/4	379	2023	1 1/4	379		NA			NA				
LNAV MDA	2120	1	476	2120	1	476		NA			NA				
CIRCLING	2160	1	507	2500	1 1/4	847		NA			NA				

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PENDE ON V219 NORTHEAST BOUND.
*LNAV ONLY
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 1653 THRE: 1644 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CREIGHTON, NE	CREIGHTON MUNI	RNAV	RNAV (GPS) RWY 31, ORIG 05 MAY 2011	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
RW31 (MAP)	2023 MSL	305.38	
2023 MSL	WABEX (FO)		4000

NOTES, (CONT.):

CHART NOTE: USE YANKTON ALTIMETER SETTING, WHEN NOT RECEIVED, USE O'NEILL ALTIMETER SETTING; INCREASE ALL DA 7 FEET AND ALL MDA 20 FEET, INCREASE LNAV/VNAV VISIBILITY 1/8 MILE ALL CATS.

CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT SAHIW.

CITY AND STATE	ELEVATION: 1653 THRE: 1644	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CREIGHTON, NE	AIRPORT NAME: CREIGHTON MUNI	RNAV	RNAV (GPS) RWY 31, ORIG 05 MAY 2011	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	6K3
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	422806.4020N
LTP/FTP LONGITUDE	0975246.8375W
LTP/FTP ELLIPSOIDAL HEIGHT	+04757
FPAP LATITUDE	422904.0600N
FPAP LONGITUDE	0975418.6500W
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	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	C6F2F094

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05011
FPAP ORTHOMETRIC HEIGHT	+05011

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DIGCE K3O    W      N42213562W097422671                    E0045     NAR           DIGCE
        SUSAEAENRT   FIRAG K3O    W      N42244922W097473347                    E0045     NAR           FIRAG
        SUSAEAENRT   JONEV K3O    W      N42264094W097503091                    E0046     NAR           JONEV
        SUSAEAENRT   KUCKE K3O    W      N42182086W097371898                    E0044     NAR           KUCKE
        SUSAEAENRT   PENDE K3O    C    L N42105061W096502276                    E0038     NAR           PENDE
        SUSAEAENRT   SAHIW K3O    W      N41500450W097384769                    E0044     NAR           SAHIW
        SUSAEAENRT   WABEX K3O    W      N42381374W098085801                    E0048     NAR           WABEX

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 6K3 K3A6K3     0     037YHN42281823W097530567E005001653          1800018000C    MNAR     CREIGHTON MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 6K3 K3FR31   APENDE 010PENDEK3EA0E       IF                                          18000                A JS
        SUSAP 6K3 K3FR31   APENDE 020KUCKEK3EA0E  A 020TF                    27740357    + 04000                      A JS
        SUSAP 6K3 K3FR31   APENDE 030DIGCEK3EA0EE B 010TF                    30550050    + 04000                      A JS
        SUSAP 6K3 K3FR31   ASAHIW 010SAHIWK3EA0E       IF                                          18000                A JS
        SUSAP 6K3 K3FR31   ASAHIW 020KUCKEK3EA0E  A 020TF                    35720283    + 04000                      A JS
        SUSAP 6K3 K3FR31   ASAHIW 030DIGCEK3EA0EE B 010TF                    30550050    + 04000                      A JS
        SUSAP 6K3 K3FR31   R       010DIGCEK3EA0E  I    IF                              + 04000      18000           A JS
        SUSAP 6K3 K3FR31   R       020FIRAGK3EA1E  F 051TF                    30540050    + 03300              RW31  K3PGA JS
        SUSAP 6K3 K3FR31   R       020FIRAGK3EA2WALPV       ALNAV/VNAV ALNAV                                          JS
        SUSAP 6K3 K3FR31   R       021JONEVK3EA0E S  031TF                    30540029    V 0238002389    -300      A JS
        SUSAP 6K3 K3FR31   R       030RW31 K3PG0GY M 031TF                    30540022      01684         -300      A JS
        SUSAP 6K3 K3FR31   R       040          0  M     CA                   3054        + 02023                   A JS
        SUSAP 6K3 K3FR31   R       050WABEXK3EA0EY       DF                              + 04000                   A JS
        SUSAP 6K3 K3FR31   R       060WABEXK3EA0EE  R    HM                   12510040    + 04000                   A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 6K3 K3GRW31    0037003053 N42280640W097524684-0100     +0475701644000040060R
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CITY AND STATE	ELEVATION: 1653 THRE: 1644	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CREIGHTON, NE	AIRPORT NAME: CREIGHTON MUNI	RNAV	RNAV (GPS) RWY 31, ORIG 05 MAY 2011	AMDT: NONE
				DATED:

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          1         2         3         4         5         6         7         8         9         0         1         2         3
PP  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------
    SUSAP 6K3 K3PR31   RW31 001 0000W31A0N4228064020W09752468375+047570300N4229040600W097541865001067516240004004F400500C6F2F094
    SUSAP 6K3 K3PR31   RW31 002E      +05011+05011LPV       45821

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
    ------------------------------------------------------------------------------------------------------------------------------------
    SUSAP 6K3 K3SRW31 K3PG              0   18018003$25                                                                    M
```

CITY AND STATE	ELEVATION: 1653 THRE: 1644	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CREIGHTON, NE	AIRPORT NAME: CREIGHTON MUNI	RNAV	RNAV (GPS) RWY 31, ORIG 05 MAY 2011	AMDT: NONE DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
CREIGHTON, NE	CREIGHTON MUNI	05 MAY 2011	ORIG

TAKEOFF MINIMUMS:

RWY 13, 31 STANDARD

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, TREES BEGINNING 400 FT FROM DER, 328 FT LEFT OF CENTERLINE,UP TO 40 FT AGL/1689 FT MSL, VEHICLE ON ROAD 421 FT FROM DER, 554 FT LEFT OF CENTERLINE,15 FT AGL/1656 FT MSL, BLDG 663 FT FROM DER, 469 FT LEFT OF CENTERLINE,25 FT AGL/1661 FT MSL. NOTE: RWY 31, TREES BEGINNING 766 FT FROM DER, 545 FT RIGHT OF CENTERLINE,UP TO 40 FT AGL/1664 FT MSL.

CONTROLLING OBSTACLES:

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

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HUSKR INT (IF/IAF)	WUBER INT/LNK 6.22 DME (NOPT)	167.00 / 4.47 (LNK R-347)	3000
WUBER INT/LNK 6.22 DME	LNK VORTAC	167.00 / 6.22 (LNK R-347)	2400

MISSED APPROACH

MAP: 3.77 MILES AFTER LNK VORTAC OR AT LNK 3.77 DME FIX

CLIMB TO 2800 THEN CLIMBING LEFT TURN TO 3000 DIRECT LNK VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 185.00 INBOUND.
CHART FAS OBST: 1459 TREE 405436N/0964418W
1569 AAO 405507N/0964418W
CHART VDP AT 2.33 DME;
DISTANCE VDP TO THLD 1.44 MILES.
LNK VORTAC TO RWY 17: 2.81/55

1. PT L SIDE OF COURSE 005.00 OUTBOUND 3100 FT WITHIN 10 MILES OF LNK VORTAC (IAF)
2.
3. FAC 177.00 FAF LNK VORTAC DIST FAF TO MAP 3.77 THLD 3.77
4. MIN. ALT LNK VORTAC 2400
8. MSA FROM: LNK VORTAC 4100

MAG VAR: 9E 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-17	1720	1	501	1720	1	501	1720	1 3/8	501	1720	1 3/8	501			
CIRCLING	1720	1	501	1760	1	541	1760	1 1/2	541	1820	2	601			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BEATRICE ALTIMETER SETTING AND INCREASE ALL MDA 100 FT; INCREASE S-17 CAT C/D VISIBILITY 3/8 MILE AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.
CHART NOTE: VDP NA WHEN USING BEATRICE ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1219 TDZE: 1219	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR OR GPS RWY 17
LINCOLN, NE	AIRPORT NAME: LINCOLN	LNK	VOR RWY 17, AMDT 7 05 MAY 2011	AMDT 6D
				DATE 10/27/2005

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

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

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HUSKR INT (IF/IAF)	WUBER INT/LNK 6.22 DME (NOPT)	167.00 / 4.47 (LNK R-347)	3000
WUBER INT/LNK 6.22 DME	LNK VORTAC	167.00 / 6.22 (LNK R-347)	2400

MISSED APPROACH

MAP: 3.75 MILES AFTER LNK VORTAC OR AT LNK 3.75 DME FIX

CLIMB TO 2800 THEN CLIMBING LEFT TURN TO 3000 DIRECT LNK VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 185.00 INBOUND.
CHART FAS OBST: 1459 TREE 405436N/0964418W
1569 AAO 405507N/0964424W
CHART VDP AT 2.28 DME;
DISTANCE VDP TO THLD 1.47 MILES.
LNK VORTAC TO RW18: 2.89/55.

1. PT L SIDE OF COURSE 005.00 OUTBOUND 3100 FT WITHIN 10 MILES OF LNK VORTAC (IAF)
2.
3. FAC 184.80 FAF LNK VORTAC DIST FAF TO MAP 3.75 THLD 3.75
4. MIN. ALT LNK VORTAC 2400
8. MSA FROM: LNK VORTAC 4100

MAG VAR: 9E EPOCH YEAR: 1965

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-18	1720	1	525	1720	1	525	1720	1 1/2	525	1720	1 1/2	525			
CIRCLING	1720	1	501	1760	1	541	1760	1 1/2	541	1820	2	601			

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: VDP NA WITH BEATRICE ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BEATRICE ALTIMETER SETTING AND INCREASE ALL MDA 100 FT; INCREASE S-18 AND CIRCLING CAT C/D VISIBILITIES 1/4 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1219 THRE: 1195	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
LINCOLN, NE	AIRPORT NAME: LINCOLN	LNK	VOR RWY 18, AMDT 13 05 MAY 2011	AMDT 12
				DATE 10/27/2005

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MHT VOR/DME	JAGTA (FB)	155.72 / 9.79	3000
LOBBY	IRGAW (FB)	078.65 / 13.02	3000
LWM VOR/DME (IAF)	ELIRY (FB)	260.97 / 9.41	2500
JAGTA (IAF)	ELIRY (FB)	228.75 / 5.00	2500
IRGAW (IAF)	ELIRY (FB)	048.67 / 5.00	2500
ELIRY (IF)	CORNY (FB)	318.86 / 6.07	2000
CORNY (FAF)	ESICU/2.70 NM TO RW32 (FB)	318.78 / 2.72	
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV: RW32

CLIMB TO 3000 DIRECT GUCED AND LEFT TURN ON TRACK 226.85 TO JOHNZ AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ADDITIONAL FLIGHT DATA:
HOLD NE, LT, 226.85 INBOUN D.
CHART 989 TOWER 424407N/0712334W
CHART FAS OBST: 357 TREE 424657N/0712956W
CORNY TO RW32: 3.04/60.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ELIRY
3. FAC: 318.78 FAF: CORNY DIST FAF TO MAP: 5.43 THLD: 5.43
4. MIN. ALT: ELIRY 2500, CORNY 2000, ESICU/2.70 NM TO RW32 1100
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW32 4400

MAG VAR: 16W EPOCH YEAR: 1995

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	660	1	468	660	1	468	660	1 1/4	468	660	1 1/2	468			
CIRCLING	800	1	601	800	1	601	820	1 3/4	621	820	2	621			

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 PLANVIEW NOTE: RADAR REQUIRED FOR TRANSITION TO LWM VOR/DME.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 199 TDZE: 192 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
NASHUA, NH	BOIRE FIELD	RNAV	RNAV (GPS) RWY 32, ORIG-A 05 MAY 2011	AMDT: ORIG DATED 03/15/2007

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ESICU/2.70 NM TO RW32	RW32 (MAP) (FO)	318.74 / 2.70	
RW32 (MAP)	599 MSL	318.74	
599 MSL	GUCED (FB)		
GUCED	JOHNZ (FO)	226.85	3000

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MANCHESTER ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.
CHART PROFILE NOTE: PROCEDURE NA FOR ARRIVALS AT LOBBY ON V431 WESTBOUND.

QUALITY 4 CHECKED

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD        LWM   K6011250VDL  N42442550W071054143    N42442550W071054143W0150003021     NARLAWRENCE                   I
        SUSAD        MHT   K6011440VDL  N42520670W071221031    N42520670W071221031W0150004711     NARMANCHESTER                 I

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CORNY K60    W     N42434349W071241046                    W0150     NAR          CORNY                    I
        SUSAEAENRT   ELIRY K60    W     N42402592W071171512                    W0151     NAR          ELIRY                    I
        SUSAEAENRT   ESICU K60    W     N42451204W071271713                    W0150     NAR          ESICU                    I
        SUSAEAENRT   GUCED K60    W     N42492167W071360516                    W0150     NAR          GUCED                    I
        SUSAEAENRT   IRGAW K60    W     N42361336W071205464                    W0150     NAR          IRGAW                    I
        SUSAEAENRT   JAGTA K60    W     N42443836W071133511                    W0151     NAR          JAGTA                    I
        SUSAEAENRT   JOHNZ K60    C   L N42432287W071405580                    W0149     NAR          JOHNZ                    I
        SUSAEAENRT   LOBBY K60    C   L N42301553W071363404                    W0149     NAR          LOBBY                    I

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KASHK6AASH     0     055YHN42465430W071305320W016000199        1800018000C    MNAR    BOIRE FIELD                  I

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KASHK6FR32   ALOBBY 010LOBBYK6EA0E       IF                                          18000                B JS   I
        SUSAP KASHK6FR32   ALOBBY 020IRGAWK6EA0E  A 020TF                    07870130    + 03000                        B JS   I
        SUSAP KASHK6FR32   ALOBBY 030ELIRYK6EA0EE B 010TF                    04870050    + 02500                        B JS   I
        SUSAP KASHK6FR32   ALWM   010LWM  K6D 0V  A    IF                                          18000                B JS   I
        SUSAP KASHK6FR32   ALWM   020ELIRYK6EA0EE B 010TF                    26100094    + 02500                        B JS   I
        SUSAP KASHK6FR32   AMHT   010MHT  K6D 0V       IF                                          18000                B JS   I
        SUSAP KASHK6FR32   AMHT   020JAGTAK6EA0E  A 020TF                    15570098    + 03000                        B JS   I
        SUSAP KASHK6FR32   AMHT   030ELIRYK6EA0EE B 010TF                    22880050    + 02500                        B JS   I
        SUSAP KASHK6FR32   R      010ELIRYK6EA0E  I    IF                                 + 02500     18000              B JS   I
        SUSAP KASHK6FR32   R      020CORNYK6EA1E  F 051TF                    31890061    + 02000                RW32  K6PGB JS   I
        SUSAP KASHK6FR32   R      020CORNYK6EA2WN          N          ALNAV                                                JS   I
        SUSAP KASHK6FR32   R      021ESICUK6EA0E S  031TF                    31880027    V 0110001113        -304           B JS   I
        SUSAP KASHK6FR32   R      030RW32 K6PG0GY M 031TF                    31870027      00246             -304           B JS   I
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 199 TDZE: 192	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO /EFFECTIVE DATE:	SUP:
NASHUA, NH	AIRPORT NAME: BOIRE FIELD	RNAV	RNAV (GPS) RWY 32, ORIG-A 05 MAY 2011	AMDT: ORIG
				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
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KASHK6FR32   R      040         0  M     CA                    3187       + 00599                          B JS   I
        SUSAP KASHK6FR32   R      050GUCEDK6EA0E       DF                                                             B JS   I
        SUSAP KASHK6FR32   R      060JOHNZK6EA0EY  L010TFY                    2269       + 03000                          B JS   I
        SUSAP KASHK6FR32   R      070JOHNZK6EA0EE  L   HM                    22690050   + 03000                          B JS   I

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KASHK6GRW32    0055013187 N42463965W071302215+0200    +00290001860000601OOR                                  I

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KASHK6SRW32 K6PG               C   18018004425                                                          M   I
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 199 TDZE: 192	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NASHUA, NH	AIRPORT NAME: BOIRE FIELD	RNAV	RNAV (GPS) RWY 32, ORIG-A 05 MAY 2011	AMDT: ORIG
				DATED: 03/15/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
IGN VOR/DME	CANTY INT/IGN 16.44 DME	242.69 / 16.44	3300
CMK VOR/DME	CANTY INT/IGN 16.44 DME	310.39 / 26.81	3800
HUO VOR/DME (IAF)	CANTY INT/IGN 16.44 DME (NOPT)	088.27 / 22.52	3200
CANTY INT/IGN 16.44 DME (IF/IAF)	WEXIR INT/IGN 10.24 DME	062.78 / 6.20 (I-POU)	2200

MISSED APPROACH

ILS: DA
LOC: 6.16 MILES AFTER WEXIR INT/IGN 10.24 DME OR AT IGN 4.08 DME FIX

CLIMB TO 3000 DIRECT IGN VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 3000 DIRECT PWL VOR/DME AND HOLD S, RT, 354.00 INBOUND.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 217.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S PWL VOR/DME, RT, 354.00 INBOUND.
CHART FAS OBST: 449 TREES 413625N/0735556W
CHART IN PLANVIEW: PWL VOR/DME.
**DME FROM IGN VOR/DME.
CHART STEWART INTL

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW CANTY, LT, 062.78 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
3. FAC: 062.78 FAF: WEXIR INT/IGN 10.24 DME DIST FAF TO MAP: 6.16 THLD: 6.16
4. MIN. ALT: CANTY 3200, WEXIR 2200, VAPUY/IGN 6.70 DME 1040*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1002
6. MIN GS INCPT: 2200 GS ALT AT: WEXIR 2200 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 58.3
8. MSA FROM: IGN VOR/DME 010-100 3700, 100-190 2800, 190-280 3500, 280-010 4700

MAG VAR: 12W EPOCH YEAR: 1975

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 6	469	1	313	469	1	313	469	1	313	469	1	313			
S-LOC 6	1040	1	884	1040	1	884	1040	2 1/4	884	1040	2 1/2	884			
CIRCLING	1040	1 1/4	875	1040	1 1/4	875	1040	2 3/4	875	1040	3	875			
VAPUY FIX MINIMUMS**															
S-LOC 6	640	1	484	640	1	484	640	1	484	640	1	484			
CIRCLING	760	1	595	840	1	675	840	2	675	840	2 1/4	675			

NOTES:
CHART NOTE: CIRCLING TO RWY 15 NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 33 NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 6 ALL CATS AND VAPUY FIX MINIMUMS S-LOC 6 CATS A/B.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 165 TDZE: 156 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
POUGHKEEPSIE, NY	DUTCHESS COUNTY	I-POU	ILS OR LOC RWY 6, AMDT 6A 05 MAY 2011	AMDT: 6 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 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 VGSI INOP, STRAIGHT-IN/CIRCLING RWY 6 PROCEDURE NA AT NIGHT.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 6 CAT A AND VAPUY FIX MINIMUMS CAT C VISIBILITY TO 1 1/4.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

***LOC ONLY**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTGOMERY ALTIMETER SETTING: INCREASE S-ILS 6 DA TO 540; INCREASE ALL MDA 80 FEET AND S-LOC 6 CAT C AND CIRCLING CATS B/C VISIBILITY 1/4 MILE; INCREASE VAPUY FIX MINIMUMS S-LOC 6 CAT D AND CIRCLING CATS B/C/D VISIBILITY 1/4 MILE; INOPERATIVE TABLE DOES NOT APPLY TO VAPUY FIX MINIMUMS S-LOC 6 CATS A/B; FOR INOPERATIVE MALSR, INCREASE S-LOC 6 CAT A VISIBILITY TO 1 1/4.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 165 TDZE: 156	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
POUGHKEEPSIE, NY	AIRPORT NAME: DUTCHESS COUNTY	I-POU	ILS OR LOC RWY 6, AMDT 6A 05 MAY 2011	AMDT: 6
				DATED: 01/15/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CMK VOR/DME	CANTY (FO)	310.39 / 26.81	3800
IGN VOR/DME	CANTY (FO)	242.69 / 16.44	3300
HUO VOR/DME (IAF)	CANTY (NOPT) (FB)	089.27 / 22.52	3200
CANTY (IF/IAF)	WEXIR (FB)	062.64 / 6.20	2200
WEXIR (FAF)	VIYUP/3.00 NM TO RW06 (FB)	062.71 / 3.16	
VIYUP/3.00 NM TO RW06	RW06 (FO)	062.75 / 3.00	
RW06 (MAP)	503 MSL		
503 MSL	JURIL (FB)	062.75	
JURIL	IGN VOR/DME (FO)	061.39 / 1.58	3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW06

CLIMB TO 3000 DIRECT JURIL AND ON TRACK 061.39 TO IGN VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW CANTY, LT, 062.64 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
3. FAC: 062.71 FAF: WEXIR DIST FAF TO MAP: 6.16 THLD: 6.16
4. MIN. ALT: CANTY 3200, WEXIR 2200, VIYUP/3.00 NM TO RW06 1160*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2200 GS ALT AT: WEXIR 2200 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 58.3 34:1 IS NOT CLEAR
8. MSA FROM: RW06 4400

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 217.00 INBOUND.
CHART FAS OBST: 261 TREE 413651N/0735421W
CHART FAS OBST: 449 TREE 413625N/0735556W
DISTANCE TO THLD FROM 347 HAT: 0.94 NM.
WAAS CHANNEL # 42910
REFERENCE PATH ID: W06A
CHART STEWART INTL
LTP HAE: 13.1 M

MAG VAR: 12W EPOCH YEAR: 1975

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	503	1	347	503	1	347	503	1	347	503	1	347			
LNAV/VNAV DA	738	1 1/2	582	738	1 1/2	582	738	1 1/2	582	738	1 1/2	582			
LNAV MDA	740	1	584	740	1	584	740	1	584	740	1 1/4	584			
CIRCLING	760	1	595	840	1	675	840	2	675	840	2 1/4	675			

NOTES:
CHART NOTE: CIRCLING TO RWY 15 NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 33 NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 6 PROCEDURE NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CATS A/B.
(SEE FORM 8260-10)

@ CAT D 800-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 165 TDZE: 156	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
POUGHKEEPSIE, NY	AIRPORT NAME: DUTCHESS COUNTY	RNAV	RNAV (GPS) RWY 6, ORIG-A	AMDT: ORIG
			05 MAY 2011	DATED 01/15/2009

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

NOTES, (CONT.):
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).
CHART NOTE: BARO-VNAV NA WHEN USING MONTGOMERY ALTIMETER SETTING.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTGOMERY ALTIMETER SETTING: INCREASE LPV DA TO 574; INCREASE LNAV/VNAV DA TO 809 AND ALL CATS VISIBILITY 1/4 MILE; INCREASE ALL MDA 80 FEET AND LNAV CATS C/D AND CIRCLING CATS B/C/D VISIBILITY 1/4 MILE; INOPERATIVE TABLE DOES NOT APPLY TO LNAV CATS A/B; FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 1 1/2.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON HUO VOR/DME AIRWAY RADIALS 019 CW 145 AND ON CMK VOR/DME AIRWAY RADIALS 255 CW 356.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 165 TDZE: 156	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
POUGHKEEPSIE, NY	AIRPORT NAME: DUTCHESS COUNTY	RNAV	RNAV (GPS) RWY 6, ORIG-A 05 MAY 2011	AMDT: ORIG
				DATED: 01/15/2009

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPOU
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	413718.8900N
LTP/FTP LONGITUDE	0735331.2300W
LTP/FTP ELLIPSOIDAL HEIGHT	+00131
FPAP LATITUDE	413750.1300N
FPAP LONGITUDE	0735240.2100W
THRESHOLD CROSSING HEIGHT (TCH)	00058.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	94.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	1E3F5937

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00447
FPAP ORTHOMETRIC HEIGHT	+00447

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 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         CMK   K6011660VDLA N41164820W073345290    N41164820W073345290W0120006901     NARCARMEL                    I
        SUSAD         HUO   K6011610VDH  N41243487W074352974    N41243487W074352974W0110013002     NARHUGUENOT                  I
        SUSAD         IGN   K6011760VDLA N41395561W073492000    N41395561W073492000W0120005801     NARKINGSTON                  I

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT    CANTY K60    C     N41292904W074061574                    W0133     NAR           CANTY                    I
        SUSAEAENRT    JURIL K60    W     N41385375W073505622                    W0135     NAR           JURIL                    I
        SUSAEAENRT    VIYUP K60    W     N41352498W073563707                    W0134     NAR           VIYUP                    I
        SUSAEAENRT    WEXIR K60    C     N41332491W073595262                    W0134     NAR           WEXIR                    I

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPOUK6APOU      0      050YHN41373570W073530309W012000165         1800018000C     MNAR     DUTCHESS COUNTY          I

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPOUK6FR06    ACMK    010CMK  K6D 0V       IF                                                  18000                A JS   I
        SUSAP KPOUK6FR06    ACMK    020CANTYK6EA0EY   020TF                    31040268    + 03800                                 A JS   I
        SUSAP KPOUK6FR06    ACMK    030CANTYK6EA0EE AL   HF                    06260040    + 03200                                 A JS   I
        SUSAP KPOUK6FR06    AHUO    010HUO  K6D 0V  A    IF                                                  18000                A JS   I
        SUSAP KPOUK6FR06    AHUO    020CANTYK6EA0EE B 010TF                    08930225    + 03200                                 A JS   I
        SUSAP KPOUK6FR06    AIGN    010IGN  K6D 0V       IF                                                  18000                A JS   I
        SUSAP KPOUK6FR06    AIGN    020CANTYK6EA0EY   020TF                    24270164    + 03300                                 A JS   I
        SUSAP KPOUK6FR06    AIGN    030CANTYK6EA0EE AL   HF                    06260040    + 03200                                 A JS   I
        SUSAP KPOUK6FR06    R       010CANTYK6EA0E  I    IF                                + 03200     18000                   A JS   I
        SUSAP KPOUK6FR06    R       020WEXIRK6EA1E  F 051TF                    06260062    + 02200                 RW06  K6PGA  JS   I
        SUSAP KPOUK6FR06    R       020WEXIRK6EA2WALPV       ALNAV/VNAV ALNAV                                                    JS   I
        SUSAP KPOUK6FR06    R       021VIYUPK6EA0E S  031TF                    06270032    V 0116001169        -300            A JS   I
        SUSAP KPOUK6FR06    R       030RW06 K6PG0GY M 031TF                    06280030      00205             -300            A JS   I
        SUSAP KPOUK6FR06    R       040          0  M     CA                   0628        + 00503                             A JS   I
        SUSAP KPOUK6FR06    R       050JURILK6EA0E        DF                                                                    A JS   I
        SUSAP KPOUK6FR06    R       060IGN  K6D 0VY   010TF                    0614                                            A JS   I
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CITY AND STATE	ELEVATION: 165 TDZE: 156	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
POUGHKEEPSIE, NY	AIRPORT NAME: DUTCHESS COUNTY	RNAV	RNAV (GPS) RWY 6, ORIG-A 05 MAY 2011	AMDT: ORIG
				DATED: 01/15/2009

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        SUSAP KPOUK6PR06   R      070IGN  K6D 0VE  R   HM                    21700040    + 03000                          A JS   I

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPOUK6GRW06    0050010628 N41371889W073533123+0200    +00131001470000581001                                          I

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPOUK6PR06   RW06 001 0000W06A0N4137188900W07353312300+00131030 0N4137501300W0735240210009475000000583F4005001E3F5937I
        SUSAP KPOUK6PR06   RW06 002E      +00447+00447LPV       42910                                                            I

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPOUK6SRW06 K6PG              0   18018004425                                                                  M   I
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CITY AND STATE	ELEVATION: 165 TDZE: 156	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
POUGHKEEPSIE, NY	AIRPORT NAME: DUTCHESS COUNTY	RNAV	RNAV (GPS) RWY 6, ORIG-A 05 MAY 2011	AMDT: ORIG DATED: 01/15/2009

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
IGN VOR/DME	MORRZ/IGN 10.08 DME	242.28 / 10.08	3300
HUO VOR/DME (IAF)	JUVLU/IGN 19.10 DME (NOPT)	093.05 / 20.26	3000
JUVLU/IGN 19.10 DME (IF)	MORRZ/IGN 10.08 DME	062.28 / 9.02 (IGN R-242)	2100

MISSED APPROACH

MAP: IGN 4.08 DME FIX

CLIMB TO 3000 DIRECT IGN VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 217.00 INBOUND.
MORRZ TO RW06: 2.98/57.
CHART STEWART INTL
959 AAO 413414N/0740114W

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW MORRZ, LT, 062.28 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
3. FAC 062.28 FAF MORRZ/IGN 10.08 DME DIST FAF TO MAP ____ THLD 6.00
4. MIN. ALT MORRZ 2100
8. MSA FROM: IGN VOR/DME 010-100 3700, 100-190 2800, 190-280 3500, 280-010 4700

MAG VAR: 12W EPOCH YEAR:1975

MINIMUMS

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

CATEGORY ======>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-6	960	1	804	960	1	804	960	1 3/4	804	960	2	804			
CIRCLING	960	1	795	960	1 1/4	795	960	2 1/4	795	960	2 1/2	795			

NOTES:

CHART NOTE: CIRCLING TO RWY 15 NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 33 NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO CAT A.
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 6 PROCEDURE NA AT NIGHT.
(SEE FORM 8260-10)

@ CAT C 800-2 1/4, CAT D 800-2 1/2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 165 TDZE: 156	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
POUGHKEEPSIE, NY	AIRPORT NAME: DUTCHESS COUNTY	IGN	VOR/DME RWY 6, AMDT 6A 05 MAY 2011	AMDT 6
				DATE 01/15/2009

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

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

NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-6 CAT B VISIBILITY TO 1 1/4.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTGOMERY ALTIMETER SETTING AND INCREASE ALL MDA 80 FT AND CIRCLING CAT A VISIBILITY 1/4 MILE AND S-6 CATS C/D AND CIRCLING CATS C/D VISIBILITY 1/2 MILE; FOR INOPERATIVE MALSR, INCREASE S-6 CATS A/B VISIBILITY TO 1 1/4.

QUALITY 5

CITY AND STATE	ELEVATION: 165 TDZE: 156	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
POUGHKEEPSIE, NY	AIRPORT NAME: DUTCHESS COUNTY	IGN	VOR/DME RWY 6, AMDT 6A 05 MAY 2011	AMDT: 6
				DATED: 01/15/2009

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
ART VORTAC	ZIRAX/ART 12.40 DME	275.00 / 12.40	2100
ZIRAX/ART 12.40 DME CCW (IAF)	HENDI INT/ART 12.40 DME	12.40 DME ARC	2100
SYR VORTAC (IAF)	HENDI INT/ART 12.40 DME	004.91 / 41.00	2100
HENDI INT/ART 12.40 DME (IF)	WOLLS OM	065.45 / 10.07 (I-ART)	2000

MISSED APPROACH

ILS: DA
LOC: 4.78 MILES AFTER WOLLS OM

CLIMB TO 900 THEN CLIMBING LEFT TURN TO 2400 DIRECT ART VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 043.00 INBOUND.
CHART FAS OBST: 455 TWR 435605N/0760657W
CHART ART R-275 AT ZIRAX.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HENDI INT/ART 12.40 DME
3. FAC: 065.45 FAF: WOLLS OM DIST FAF TO MAP: 4.78 THLD: 4.78
4. MIN. ALT: HENDI 2100, WOLLS OM 2000
5. DIST TO THLD FROM OM: 4.78 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 961
6. MIN GS INCPT: 2000 GS ALT AT: - OM: 1909 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.0
8. MSA FROM: ART VORTAC 020-200 3600, 200-020 2400

MAG VAR: 12W EPOCH YEAR: 1980

MINIMUMS

TAKEOFF: 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 7	510	1/2	200	510	1/2	200	510	1/2	200	510	1/2	200			
S-LOC 7	760	1/2	450	760	1/2	450	760	7/8	450	760	7/8	450			
CIRCLING	960	1	635	960	1	635	980	1 3/4	655	1000	2 1/4	675			

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 10 NA AT NIGHT.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CAT A, B 700-2, CAT C 700-2, CAT D 700-2 1/4
@ CAT D 800-2 1/4

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 325 THRE: 310 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WATERTOWN, NY	WATERTOWN INTL	I-ART	ILS OR LOC RWY 7, AMDT 7 05 MAY 2011	AMDT: 6D DATED 06/05/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZAPPE (IAF)	NOYAQ (NOPT) (FB)	155.17 / 9.90	3500
KAHLE (IAF)	NOYAQ (NOPT) (FB)	335.35 / 9.90	3500
NOYAQ (IF/IAF)	KRUPP (FB)	065.26 / 9.90	2000
KRUPP (FAF)	RW07 (MAP) (FO)	065.38 / 5.13	
RW07 (MAP)	900 MSL	065.38	900
900 MSL	NOYAQ (FO)		3500

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW07

CLIMB TO 900 THEN CLIMBING LEFT TURN TO 3500 DIRECT NOYAQ AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 549 TREE 435642N/0760515W
CHART FAS OBST: 569 TREE 435811N/0760223W
DISTANCE TO THLD FROM 200 HATH: 0.45 NM.
WAAS CHANNEL # 82510
REFERENCE PATH ID: W07A
LTP HAE: 60.9 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW NOYAQ, RT, 065.26 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
3. FAC: 065.38 FAF: KRUPP DIST FAF TO MAP: 5.13 THLD: 5.13
4. MIN. ALT: NOYAQ 3500, KRUPP 2000
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: KRUPP 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 12W 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	510	1/2	200	510	1/2	200	510	1/2	200	510	1/2	200			
LNAV/VNAV DA	881	1/2	571	881	1/2	571	881	1/2	571	881	1/2	571			
LNAV MDA	800	1/2	490	800	1/2	490	800	1	490	800	1	490			
CIRCLING	960	1	635	960	1	635	980	1 3/4	655	1000	2 1/4	675			

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 10 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 41C (105F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

@ CAT D 800-2 1/4

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 325 THRE: 310	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WATERTOWN, NY	AIRPORT NAME: WATERTOWN INTL	RNAV	RNAV (GPS) RWY 7, AMDT 2 05 MAY 2011	AMDT: 1
				DATED 11/20/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TAA

	FROM	TO	ALT
1.	335/30 CW 155/30 (NOPT)	NOYAQ (IF/IAF) (FB)	3500
2.	155/30 CW 245/30	ZAPPE (IAF) (FB)	3500
3.	245/30 CW 335/30	245/18 CW 335/18	3600
4.	245/18 CW 335/18	KAHLE (IAF) (FB)	3500

CITY AND STATE	ELEVATION: 325 THRE: 310	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WATERTOWN, NY	AIRPORT NAME: WATERTOWN INTL	RNAV	RNAV (GPS) RWY 7, AMDT 2 05 MAY 2011	AMDT: 1
				DATED: 11/20/2008

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	KART
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	435916.2400N
LTP/FTP LONGITUDE	0760147.7900W
LTP/FTP ELLIPSOIDAL HEIGHT	+00609
FPAP LATITUDE	440009.2800N
FPAP LONGITUDE	0760008.6200W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	92.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	BD270D14

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00946
FPAP ORTHOMETRIC HEIGHT	+00946

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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   KAHLE K60    W     N43422172W076101904                    W0128     NAR           KAHLE
        SUSAEAENRT   KRUPP K60    W     N43561266W076073021                    W0129     NAR           KRUPP
        SUSAEAENRT   NOYAQ K60    W     N43501792W076182875                    W0127     NAR           NOYAQ
        SUSAEAENRT   ZAPPE K60    W     N43581352W076264062                    W0127     NAR           ZAPPE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KARTK6AART     0      050YHN43593077W076011435W012000325         1800018000C    MNAR    WATERTOWN INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KARTK6FR07   AKAHLE 010KAHLEK6EA0E  A    IF                                                18000                A JS
        SUSAP KARTK6FR07   AKAHLE 020NOYAQK6EA0EE B 010TF                    33540099    + 03500                                A JS
        SUSAP KARTK6FR07   ANOYAQ 010NOYAQK6EA0EE AR   HF                    06530040    + 03500     18000                      A JS
        SUSAP KARTK6FR07   AZAPPE 010ZAPPEK6EA0E  A    IF                                        18000                      A JS
        SUSAP KARTK6FR07   AZAPPE 020NOYAQK6EA0EE B 010TF                    15520099    + 03500                                A JS
        SUSAP KARTK6FR07   R      010NOYAQK6EA0E  I    IF                                + 03500     18000                      A JS
        SUSAP KARTK6FR07   R      020KRUPPK6EA1E  F 051TF                    06530099    + 02000                                A JS
        SUSAP KARTK6FR07   R      020KRUPPK6EA2WALPV       ALNAV/VNAV ALNAV                                                     JS
        SUSAP KARTK6FR07   R      030RW07 K6PG0GY M 031TF                    06540051      00365                 -300           A JS
        SUSAP KARTK6FR07   R      040         0  M    CA                     0654        + 00900                                A JS
        SUSAP KARTK6FR07   R      050NOYAQK6EA0EY  L   DF                                + 03500                                A JS
        SUSAP KARTK6FR07   R      060NOYAQK6EA0EE  R   HM                    06530040    + 03500                                A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KARTK6GRW07    0050000655 N43591623W076014779+0300    +00609003100000551501

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KARTK6PR07   RW07 001 0000W07A0N4359162400W07601477900+006090300N4400092800W076000862000927512240005 50F400350BD270D14
        SUSAP KARTK6PR07   RW07 002E      +00946+00946LPV       82510
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 325 THRE: 310	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WATERTOWN, NY	AIRPORT NAME: WATERTOWN INTL	RNAV	RNAV (GPS) RWY 7, AMDT 2 05 MAY 2011	AMDT: 1 DATED: 11/20/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SYR VORTAC (IAF)	WUMSO INT/ART VORTAC 10.00 DME (NOPT)	010.31 / 39.94	3000
WUMSO INT/ART 10.00 DME (IF)	ART VORTAC	052.87 / 10.00	1300

MISSED APPROACH

MAP: 2.61 MILES AFTER ART VORTAC OR AT ART 2.61 DME FIX

CLIMBING LEFT TURN TO 2400 DIRECT ART VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2400.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 043.00 INBOUND.
CHART FAS OBST: 569 TREE 435811N/0760223W
CHART VDP AT 1.13 DME;
DISTANCE VDP TO THLD 1.49 MILES.
ART VORTAC TO RW07: 3.37/55.
FAC CROSSES RWY C/L EXTENDED 2878 FROM THLD.

1. PT L SIDE OF COURSE 223.00 OUTBOUND 2400 FT WITHIN 10 MILES OF ART VORTAC (IAF)
2.
3. FAC 043.00 FAF ART VORTAC DIST FAF TO MAP 2.61 THLD 2.61
4. MIN. ALT ART VORTAC 1300
8. MSA FROM: ART VORTAC 020-200 3600, 200-020 2400

MAG VAR: 12W 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-7	840	1	530	840	1	530	840	1 1/2	530	840	1 1/2	530			
CIRCLING	960	1	635	960	1	635	980	1 3/4	655	1000	2 1/4	675			

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 10 NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

@ CAT D 800-2 1/4

QUALITY CHECKED

CITY AND STATE	ELEVATION: 325 THRE: 310	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
WATERTOWN, NY	AIRPORT NAME: WATERTOWN INTL	ART	VOR RWY 7, AMDT 14 05 MAY 2011	AMDT 13C
				DATE 06/05/2008

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
IGN VOR/DME (IAF)	FARAN INT/I-HPN 15.15 DME (NOPT)	199.01 / 22.36	3000
FARAN INT/I-HPN 15.15 DME (IF)	CZIMR INT/I-HPN 4.57 DME	161.92 / 10.58 (I-HPN)	2000

MISSED APPROACH

ILS: DA
LOC: 4.67 MILES AFTER CZIMR INT/4.57 DME

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2300 ON HEADING 090 AND CMK VOR/DME R-200 TO CMK VOR/DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 270 AND LGA VOR/DME R-357 TO NYACK INT/LGA 21.15 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 256.76 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S NYACK INT, RT, 357.29 INBOUND.
CHART FAS OBST: 615 TREE 410603N/0734356W
CHART OM IN HALF-TONE
CHART R-5206.
CHART VDP AT 1.30 DME*;
DISTANCE VDP TO THLD 1.40 MILES.
*LOC ONLY.
CHART IN PLANVIEW: NYACK.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N CZIMR, LT, 161.92 INBOUND, 2100 FT. IN LIEU OF PT (IAF)
3. FAC: 161.92 FAF: CZIMR INT/I-HPN 4.57 DME DIST FAF TO MAP: 4.67 THLD: 4.67
4. MIN. ALT: CZIMR 2000, ZONGA/I-HPN 1.90 DME 1040*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1368
6. MIN GS INCPT: 2000 GS ALT AT: CZIMR 2000 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 54.8
8. MSA FROM: CMK VOR/DME 090-180 2300, 180-090 2900

MAG VAR: 12W EPOCH YEAR: 1980

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 16	639	1800	200	639	1800	200	639	1800	200	639	1800	200			
S-LOC 16	1040	2400	601	1040	2400	601	1040	6000	601	1040	1 1/2	601			
CIRCLING	1040	1	601	1040	1	601	1040	1 3/4	601	1040	2	601			
ZONGA FIX MINIMUMS															
S-LOC 16	940	2400	501	940	2400	501	940	5000	501	940	5000	501			
CIRCLING	980	1	541	980	1	541	980	1 1/2	541	1000	2	561			

NOTES:
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 16 VISIBILITY TO RVR 4000.
*LOC ONLY
CHART NOTE: VDP NA WITH LA GUARDIA ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON IGN VOR/DME AIRWAY RADIALS 141 CW 203.
(SEE FORM 8260-10)

CAT A, B, C, D 700-2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 439 TDZE: 439	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WHITE PLAINS, NY	AIRPORT NAME: WESTCHESTER COUNTY	I-HPN	ILS OR LOC RWY 16, AMDT 23A 05 MAY 2011	AMDT: 23
				DATED 09/23/2010

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 NOTE: FOR INOPERATIVE MALSR WHEN USING LA GUARDIA ALTIMETER SETTING INCREASE S-ILS 16 VISIBILITY TO RVR 5000.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LA GUARDIA ALTIMETER SETTING AND INCREASE ALL DA TO 742 FEET AND ALL MDA 120 FEET; INCREASE S-LOC 16 AND CIRCLING VISIBILITY CAT C/D 1/4 MILE, ZONGA FIX MINIMUMS S-LOC 16 VISIBILITY CAT C 1/4 MILE, CAT D 1/2 MILE AND CIRCLING VISIBILITY CATS C/D 1/4 MILE.

CHART PROFILE NOTE: *1160 WHEN USING LA GUARDIA ALTIMETER SETTING.

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 439 TDZE: 439	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WHITE PLAINS, NY	AIRPORT NAME: **WESTCHESTER COUNTY**	**I-HPN**	**ILS OR LOC RWY 16, AMDT 23A** 05 MAY 2011	AMDT: **23**
				DATED: **09/23/2010**

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

ARINC PACKET - 424-18 - ILS

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAD        CMK   K6011660VDLA N41164820W073345290    N41164820W073345290W0120006901     NARCARMEL
          SUSAD        IGN   K6011760VDLA N41395561W073492000    N41395561W073492000W0120005801     NARKINGSTON
          SUSAD KHPNK6 IHPN  K6010970 IT                    IHPNN41043847W073424888     004500     NARWESTCHESTER COUNTY

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   CZIMR K60    C     N41083454W073455377                    W0134     NAR           CZIMR
          SUSAEAENRT   FARAN K60    R     N41174352W073525716                    W0133     NAR           FARAN

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KHPNK6AHPN     0      065YHN41040100W073422720W012000439          1800018000C    MNAR    WESTCHESTER COUNTY

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KHPNK6FI16   ACZIMR 010CZIMRK6EA0EE AL   HF CMK K6      2374011716197010D   + 02100     18000                 0 NS
          SUSAP KHPNK6FI16   AIGN   010IGN  K6D 0V  A    FC IGN K6      0000000019900204D   + 03000     18000                 0 NS
          SUSAP KHPNK6FI16   AIGN   020FARANK6EA0EE B    CF IHPNK6      3419016519900020PI  + 03000                           0 NS
          SUSAP KHPNK6FI16   I      010FARANK6EA0E  I    IF IHPNK6      34190165         PI J 030000200018000                 0 NS
          SUSAP KHPNK6FI16   I      020CZIMRK6EA0E  F    CF IHPNK6      3419005916200106PI H 0200002000        -300CMK   K6D 0 NS
          SUSAP KHPNK6FI16   I      030RW16 K6PG0GY M    CF IHPNK6      3419001216200047PI   00494             -300          0 NS
          SUSAP KHPNK6FI16   I      040          0  M    CA                    1619        + 01000                           0 NS
          SUSAP KHPNK6FI16   I      050          0       VI                    0900                                          0 NS
          SUSAP KHPNK6FI16   I      060CMK  K6D 0VY      CF CMK K6      0000000002000160D   + 02300                           0 NS
          SUSAP KHPNK6FI16   I      070CMK  K6D 0VE  R   HM                    2568T010    + 02300                           0 NS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KHPNK6GRW16     0065491619 N41043199W073424790-0900     +0103100439000055150IIHPN1

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KHPNK6IIHPN1   010970RW16 N41032745W0734158501619N41042223W0734234551000 13680531300W01205500421

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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CITY AND STATE	ELEVATION: 439 TDZE: 439	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WHITE PLAINS, NY	AIRPORT NAME: **WESTCHESTER COUNTY**	**I-HPN**	**ILS OR LOC RWY 16, AMDT 23A** 05 MAY 2011	AMDT: **23**
				DATED: **09/23/2010**

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

```
SUSAP KHPNK6SCMK  K6D              0   270360023253602700 2925                                                M
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CITY AND STATE	ELEVATION: 439 TDZE: 439	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WHITE PLAINS, NY	AIRPORT NAME: WESTCHESTER COUNTY	I-HPN	ILS OR LOC RWY 16, AMDT 23A 05 MAY 2011	AMDT: 23
				DATED: 09/23/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CZIMR	CZIMR	010	IAF	HF	L	FO		161.9()	T01.0	AA 02100	
	IGN	IGN	010	IAF	FC		FB		199.0()	020.4	AA 03000	
	IGN	FARAN	020		CF		FB		199.0()	002.0	AA 03000	
		FARAN	010	FACF	IF		FB				AA 03000 GI 02000	
		CZIMR	020	FAF	CF		FB		162.0()	010.6	GI 02000 GS 02000	
		RW16	030	MAP	CF		FO		162.0()	004.7	AT 00494	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		161.9()		AA 01000	
		050		VI		FB		090.0()			
	CMK	060		CF		FO		020.0()	016.0	AA 02300	
	CMK	070		HM	R	FO		256.8()	T01.0	AA 02300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CMK	N411648.20	W0733452.90	N4116.803	W07334.882
	IGN	N413955.61	W0734920.00	N4139.927	W07349.333
	IHPN (DME)	N410438.47	W0734248.88	N4104.641	W07342.815
	CZIMR	N410834.54	W0734553.77	N4108.576	W07345.896
	FARAN	N411743.52	W0735257.16	N4117.725	W07352.953
	RW16	N410431.99	W0734247.90	N4104.533	W07342.798
	IHPN (LOC)	N410327.45	W0734158.50	N4103.458	W07341.975

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	00439	55

CITY AND STATE	ELEVATION: 439 TDZE: 439	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WHITE PLAINS, NY	AIRPORT NAME: **WESTCHESTER COUNTY**	**I-HPN**	**ILS OR LOC RWY 16, AMDT 23A** 05 MAY 2011	AMDT: **23**
				DATED: **09/23/2010**

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 05 MAY 2011

CITY AND STATE					
CADIZ, OH	**ELEVATION: 1174** **TDZE: 1161** AIRPORT NAME: **HARRISON COUNTY**	FACILITY IDENTIFIER: **GPS**	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: **GPS RWY 13, ORIG, 09/09/1999**	SUP AMDT **NONE** DATE	

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 05 MAY 2011

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
CADIZ, OH	**ELEVATION: 1174** **TDZE: 1160** AIRPORT NAME: **HARRISON COUNTY**	**GPS**	**GPS RWY 31, ORIG, 09/09/1999**	SUP AMDT **NONE** DATE

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CUHSU (IF/IAF)	EBBEP (FB)	134.21 / 6.01	2800
EBBEP *(FAF)*	RUVRE/2.50 NM TO RW13 (FB)	134.28 / 2.52	1980
RUVRE/2.50 NM TO RW13	RW13 (MAP) (FO)	134.31 / 2.50	
RW13 (MAP)	1574 MSL	134.31	
1574 MSL	SUXPU (FO)		*3100*

MISSED APPROACH

LNAV: RW13

CLIMB TO 3100 DIRECT SUXPU AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 314.48 INBOUND.
CHART FAS OBST: 1419 TREE 401411N/0810117W
EBBEP TO RW13: 3.00/40
CHART KHLG ASOS-3

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW CUHSU, RT, 134.21 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 134.28 FAF: EBBEP DIST FAF TO MAP: 5.02 THLD: 5.02
4. MIN. ALT: CUHSU 3000, EBBEP 2800, RUVRE/2.50 NM TO RW13 1980
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 8W 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
LNAV MDA	1720	1	559	1720	1	559		NA			NA				
CIRCLING	1780	1	606	1820	1	646		NA			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 WHEELING ALTIMETER SETTING; WHEN NOT RECEIVED, USE WASHINGTON ALTIMETER (SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 1174 THRE: 1161 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CADIZ, OH	HARRISON COUNTY	RNAV	RNAV (GPS) RWY 13, ORIG 05 MAY 2011	AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES, (CONT.):
SETTING AND INCREASE ALL MDA 40 FEET.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 31 NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	044/30 CW 224/30 (NOPT)	CUHSU (IF/IAF) (FB)	3000
2.	224/30 CW 044/30	CUHSU (IF/IAF) (FO)	3400

CITY AND STATE	ELEVATION: 1174 THRE: 1161	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CADIZ, OH	AIRPORT NAME: HARRISON COUNTY	RNAV	RNAV (GPS) RWY 13, ORIG 05 MAY 2011	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CUHSU K50    W     N40205710W081123627                        W0082     NAR           CUHSU
        SUSAEAENRT   EBBEP K50    W     N40172371W081061600                        W0083     NAR           EBBEP
        SUSAEAENRT   RUVRE K50    W     N40155409W081033670                        W0083     NAR           RUVRE
        SUSAEAENRT   SUXPU K50    W     N40072957W080484421                        W0085     NAR           SUXPU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 8G6 K5A8G6     0     037YHN40141808W081004628W008001174         1800018000C    MNAR    HARRISON COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 8G6 K5FR13   ACUHSU 010CUHSUK5EA0EE AR   HF                    13420040    + 03000     18000                B JS
        SUSAP 8G6 K5FR13   R      010CUHSUK5EA0E  I    IF                                + 03000     18000                B JS
        SUSAP 8G6 K5FR13   R      020EBBEPK5EA1E  F 051TF                    13420060    + 02800                          B JS
        SUSAP 8G6 K5FR13   R      020EBBEPK5EA2WN          N          ALNAV                                               JS
        SUSAP 8G6 K5FR13   R      021RUVREK5EA0E S  031TF                    13430025    V 0198001997        -300         B JS
        SUSAP 8G6 K5FR13   R      030RW13 K5PG0GY M 031TF                    13430025      01201             -300         B JS
        SUSAP 8G6 K5FR13   R      040         0  M     CA                    1343        + 01574                          B JS
        SUSAP 8G6 K5FR13   R      050SUXPUK5EA0EY       DF                              + 03100                          B JS
        SUSAP 8G6 K5FR13   R      060SUXPUK5EA0EE  R   HM                    31450040    + 03100                          B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 8G6 K5GRW13    0037651343 N40142517W081005886-1900    +032000116108764007 5R
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CITY AND STATE	ELEVATION: 1174 THRE: 1161	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CADIZ, OH	AIRPORT NAME: HARRISON COUNTY	RNAV	RNAV (GPS) RWY 13, ORIG 05 MAY 2011	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
SUXPU (IF/IAF)	PUYCO (FB)	314.48 / 6.02	2800
PUYCO (FAF)	JOLMU/2.50 NM TO RW31 (FB)	314.41 / 2.69	
JOLMU/2.50 NM TO RW31	RW31 (MAP) (FO)	314.38 / 2.50	
RW31 (MAP)	1574 MSL	314.38	
1574 MSL	CUHSU (FO)		3000

MISSED APPROACH

LNAV: RW31

CLIMB TO 3000 DIRECT CUHSU AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 134.21 INBOUND.
CHART FAS OBST: 1349 TREE 401259N/0805936W
CHART KHLG AWOS-3
PUYCO TO RW31: 3.00/40

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE SUXPU, RT, 314.48 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 314.41 FAF: PUYCO DIST FAF TO MAP: 5.19 THLD: 5.19
4. MIN. ALT: SUXPU 3100, PUYCO 2800, JOLMU/2.50 NM TO RW31 1940
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 8W 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
LNAV MDA	1660	1	552	1660	1	552		NA			NA				
CIRCLING	1780	1	606	1820	1	646		NA			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 WHEELING ALTIMETER SETTING; WHEN NOT RECEIVED, USE WASHINGTON ALTIMETER SETTING
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 1174 THRE: 1108 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CADIZ, OH	HARRISON COUNTY	RNAV	RNAV (GPS) RWY 31, ORIG 05 MAY 2011	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.):
AND INCREASE ALL MDA 40 FEET.
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	224/30 CW 044/30 (NOPT)	SUXPU (IF/IAF) (FB)	3100
2.	044/30 CW 224/30	SUXPU (IAF) (FO)	3400

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CUHSU K50    W     N40205710W081123627                    W0082     NAR          CUHSU
        SUSAEAENRT   JOLMU K50    W     N40124023W080575290                    W0084     NAR          JOLMU
        SUSAEAENRT   PUYCO K50    W     N40110444W080550343                    W0084     NAR          PUYCO
        SUSAEAENRT   SUXPU K50    W     N40072957W080484421                    W0085     NAR          SUXPU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 8G6 K5A8G6     0     037YHN40141808W081004628W008001174         1800018000C    MNAR    HARRISON COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 8G6 K5FR31   ASUXPU 010SUXPUK5EA0EE AR   HF                  31450040    + 03100     18000                B JS
        SUSAP 8G6 K5FR31   R      010SUXPUK5EA0E  I    IF                              + 03100     18000                B JS
        SUSAP 8G6 K5FR31   R      020PUYCOK5EA1E  F 051TF                  31450060    + 02800                          B JS
        SUSAP 8G6 K5FR31   R      020PUYCOK5EA2WN          N          ALNAV                                             JS
        SUSAP 8G6 K5FR31   R      021JOLMUK5EA0E S  031TF                  31440027    V 0194001944         -300        B JS
        SUSAP 8G6 K5FR31   R      030RW31 K5PG0GY M 031TF                  31440025      01148              -300        B JS
        SUSAP 8G6 K5FR31   R      040         0  M     CA                  3144        + 01574                          B JS
        SUSAP 8G6 K5FR31   R      050CUHSUK5EA0EY      DF                              + 03000                          B JS
        SUSAP 8G6 K5FR31   R      060CUHSUK5EA0EE  R   HM                  13420040    + 03000                          B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 8G6 K5GRW31    0037653144 N40140923W081003059+1900     +030380110801684007 5R
```

CITY AND STATE	ELEVATION: 1174 THRE: 1108	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CADIZ, OH	AIRPORT NAME: HARRISON COUNTY	RNAV	RNAV (GPS) RWY 31, ORIG 05 MAY 2011	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
CADIZ, OH	HARRISON COUNTY	05 MAY 2011	3

TAKEOFF MINIMUMS:

RWY 13, 31 300-1

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

RWY 13 – TREES BEGINNING 503 FT FROM DER, 213 FT LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/1219 FT MSL. POWERLINE 927 FT FROM DER, 718 FT LEFT OF CENTERLINE, 30 FT AGL/1196 FT MSL.

RWY 31 – RISING TERRAIN BEGINNING 966 FT FROM DER, 224 FT LEFT AND RIGHT OF CENTERLINE, UP TO 1319 FT MSL.

CONTROLLING OBSTACLES:

RWY 13: 1219 MSL TREE 401407.00N/0810022.00W.

RWY 31: 1319 MSL TERRAIN 401440.76N-0810146.99W.

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
CXR VOR/DME	PUDSE INT/I-PVY 15.89 DME/RADAR	288.43 / 18.94	6000*
PUDSE INT/I-PVY 15.89 DME/RADAR (IAF)	LACIK/ 12.75 DME/RADAR	236.95 / 3.14 (I-PVY)	5000*
LACIK/ 12.75 DME/RADAR	CIVAC/ 9.61 DME/RADAR	236.95 / 3.14 (I-PVY)	4000*
CIVAC/ 9.61 DME/RADAR (IF)	JEDSU/ 6.47 DME/RADAR	236.95 / 3.14 (I-PVY)	3000

MISSED APPROACH

ILS: DA

CLIMBING RIGHT TURN TO 3000 DIRECT SKY VOR/DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMBING RIGHT TURN TO 3000 ON HEADING 309 AND ON ACO VOR/DME R-309 TO OTOCE/DJB 12.59 DME AND HOLD NE, RT, 208.82 INBOUND.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 274.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE OTOCE/DJB 12.59 DME, RT, 208.82 INBOUND.
CHART LOC RWY 28.
CHART IN PLANVIEW: OTOCE/DJB 12.59 DME.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT PUDSE
3. FAC: 236.95 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: PUDSE 6000*, LACIK 5000*, CIVAC 4000*, JEDSU 3000
5. DIST TO THLD FROM OM: 6.81 MM: - IM: 857 150 HAT: - 100 HAT: - GS ANT: 1064
6. MIN GS INCPT: 3000 GS ALT AT: PUDSE 6000, LACIK 5000, CONT. OM: - MM: - IM: 880
7. GS ANGLE: 3.00 TCH: 50.7
8. MSA FROM: DJB VOR/DME 3100

MAG VAR: 7W EPOCH YEAR: 1990

MINIMUMS

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

ALTERNATE: N A | X |

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 24R	2240	3	1460	2240	3	1460	2240	3	1460	2240	3	1460			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: SIMULTANEOUS CONVERGING APPROACH AUTHORIZED WITH CONVERGING ILS RWY 28.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 799 THRE: 780	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: CLEVELAND-HOPKINS INTL	I-PVY	CONVERGING ILS RWY 24R, AMDT 1 05 MAY 2011	AMDT: ORIG-A
				DATED 08/26/2010

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 PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT AND TRACK GLIDEPATH.
CHART NOTE: SIMULTANEOUS CONVERGING APPROACH AUTHORIZED WITH CONVERGING ILS RWY 24R.
CHART NOTE: FLY VISUAL TO AIRPORT.
LINE 6, (CONT.): KUYED 4000, ZANGI 3000

QUALITY CHECKED

CITY AND STATE	ELEVATION: 799 THRE: 799	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: CLEVELAND-HOPKINS INTL	I-PXP	CONVERGING ILS RWY 28, AMDT 1 05 MAY 2011	AMDT: ORIG-B
				DATED: 08/26/2010

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
CXR VOR/DME	SERLE INT/ 13.73 DME/RADAR	255.48 / 43.50	3100
DJB VOR/DME	SERLE INT/ 13.73 DME/RADAR	146.31 / 6.69	3000
SERLE INT/ 13.73 DME/RADAR (IF/IAF)	IYUTA INT/ 7.61 DME/RADAR	056.95 / 6.12 (I-CLE)	2800

MISSED APPROACH

ILS: DA
LOC: 6.00 MILES AFTER IYUTA INT/7.61 DME/RADAR OR AT 1.61 DME FIX

CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 3100 ON CXR VOR/DME R-265 TO LEBRN INT/CXR 22.00 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 3100 ON DJB VOR/DME R-081 TO LEBRN INT/DJB 24.08 DME AND HOLD E, RT, 261.27 INBOUND.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 265.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E LEBRN INT/DJB 24.08 DME, RT, 261.27 INBOUND.
FAS OBST: 1009 AAO 412034N/0815648W
CHART VDP AT 3.00 DME*;
DISTANCE VDP TO THLD 1.38 MILES.
*LOC ONLY.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW SERLE, RT, 056.95 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 056.95 FAF: IYUTA INT/ 7.61 DME/RADAR DIST FAF TO MAP: 6.00 THLD: 6.00
4. MIN. ALT: SERLE 3000, IYUTA 2800
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: 768 GS ANT: 1020
6. MIN GS INCPT: 2800 GS ALT AT: IYUTA 2800 OM: - MM: - IM: -
7. GS ANGLE: 3.10 TCH: 58.4
8. MSA FROM: DJB VOR/DME 3100

MAG VAR: 7W EPOCH YEAR: 1990

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 6R	967	1800	200	967	1800	200	967	1800	200	967	1800	200			
S-LOC 6R	1260	2400	493	1260	2400	493	1260	5000	493	1260	5000	493			
SIDESTEP 6L	1260	1 1/4	490	1260	1 1/4	490	1260	1 3/4	490	1260	2 1/4	490			
CIRCLING	1300	1	501	1300	1	501	1320	1 1/2	521	1360	2	561			

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 6R: CAT A, B, C, D, RA 100, RVR 1200, HATh 100, DA 867 MSL.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 10 NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 6L ALL CATS.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 799 THRE: 6R 767 THRE: 6L 770 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	CLEVELAND-HOPKINS INTL	I-CLE	ILS OR LOC RWY 6R, AMDT 21 ILS RWY 6R (SA CAT II) 05 MAY 2011	AMDT: 20B DATED 08/26/2010

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.
SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
CLEVELAND, OH	ELEVATION: 799 THRE: 6R 767 THRE: 6L 770 AIRPORT NAME: CLEVELAND-HOPKINS INTL	I-CLE	ILS OR LOC RWY 6R, AMDT 21 ILS RWY 6R (SA CAT II) 05 MAY 2011	SUP: AMDT: 20B DATED: 08/26/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC PACKET - 424-18 - ILS

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        CXR   K5011270VDH  N41310095W081094746    N41310095W081094746W0050013102     NARCHARDON
        SUSAD        DJB   K5011360VDHA N41212903W082094309    N41212903W082094309W0050007802     NARDRYER
        SUSAD KCLEK5 ICLE  K5011190 IT                    ICLEN41250406W081501110     007940     NARCLEVELAND-HOPKINS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   IYUTA K50    R     N41201221W081575780                    W0080     NAR           IYUTA
        SUSAEAENRT   LEBRN K50    C   L N41270801W081383622                    W0082     NAR           LEBRN
        SUSAEAENRT   SERLE K50    C     N41161535W082041021                    W0079     NAR           SERLE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5ACLE     0     099YHN41243390W081511690W007000799        1800018000C    MNAR    CLEVELAND-HOPKINS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5FI06R  ACXR   010CXR  K5D 0V       IF                                          18000                 0 NS
        SUSAP KCLEK5FI06R  ACXR   020SERLEK5EA0EY      TF                                  + 03100                       0 NS
        SUSAP KCLEK5FI06R  ACXR   030SERLEK5EA0EE AR   HF DJB K5      146300670570T010D    + 03000                       0 NS
        SUSAP KCLEK5FI06R  ADJB   010DJB  K5D 0V       IF                                          18000                 0 NS
        SUSAP KCLEK5FI06R  ADJB   020SERLEK5EA0EY      TF                                  + 03000                       0 NS
        SUSAP KCLEK5FI06R  ADJB   030SERLEK5EA0EE AR   HF DJB K5      146300670570T010D    + 03000                       0 NS
        SUSAP KCLEK5FI06R  I      010SERLEK5EA0E  I    IF ICLEK5      23700137        PI  J 030000280018000               0 NS
        SUSAP KCLEK5FI06R  I      020IYUTAK5EA0E  F    CF ICLEK5      2370007605700061PI  H 0280002800        -310DJB   K5D 0 NS
        SUSAP KCLEK5FI06R  I      030RW06RK5PG0GY M    CF ICLEK5      2370001605700060PI    00826             -310          0 NS
        SUSAP KCLEK5FI06R  I      040         0  M     CA                     0570          + 01600                       0 NS
        SUSAP KCLEK5FI06R  I      050LEBRNK5EA0EY      CF CXR K5      26500220085000800    + 03100                       0 NS
        SUSAP KCLEK5FI06R  I      060LEBRNK5EA0EE  R   HM                     2650T010     + 03100                       0 NS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5GRW06R   0099560570 N41240410W081515203+0100     +019970076719265815OIICLE1     IEYUL

                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5IICLE1   011190RW06RN41250518W08150155105 70N41241365W0815145211579 10200417310W00705800766
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 799 THRE: 767	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: **CLEVELAND-HOPKINS INTL**	**I-CLE**	**ILS OR LOC RWY 6R, AMDT 21** **ILS RWY 6R (SA CAT II)** 05 MAY 2011	AMDT: **20B** DATED: **08/26/2010**

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

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                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5SDJB  K5D               0   18018003125                                                                  M
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CITY AND STATE	ELEVATION: 799 THRE: 767	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: **CLEVELAND-HOPKINS INTL**	**I-CLE**	**ILS OR LOC RWY 6R, AMDT 21** **ILS RWY 6R (SA CAT II)** 05 MAY 2011	AMDT: **20B** DATED: **08/26/2010**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CXR	CXR	010		IF		FB					
	CXR	SERLE	020		TF		FO				AA 03100	
	CXR	SERLE	030	IAF	HF	R	FO		057.0()	T01.0	AA 03000	
	DJB	DJB	010		IF		FB					
	DJB	SERLE	020		TF		FO				AA 03000	
	DJB	SERLE	030	IAF	HF	R	FO		057.0()	T01.0	AA 03000	
		SERLE	010	FACF	IF		FB				AA 03000 GI 02800	
		IYUTA	020	FAF	CF		FB		057.0()	006.1	GI 02800 GS 02800	
		RW06R	030	MAP	CF		FO		057.0()	006.0	AT 00826	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		057.0()		AA 01600	
	LEBRN	050		CF		FO		085.0()	008.0	AA 03100	
	LEBRN	060		HM	R	FO		265.0()	T01.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CXR	N413100.95	W0810947.46	N4131.016	W08109.791
	DJB	N412129.03	W0820943.09	N4121.484	W08209.718
	ICLE (DME)	N412504.06	W0815011.10	N4125.068	W08150.185
	IYUTA	N412012.21	W0815757.80	N4120.204	W08157.963
	LEBRN	N412708.01	W0813836.22	N4127.134	W08138.604
	SERLE	N411615.35	W0820410.21	N4116.256	W08204.170
	RW06R	N412404.10	W0815152.03	N4124.068	W08151.867
	ICLE (LOC)	N412505.18	W0815015.51	N4125.086	W08150.259

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW06R	00767	58

QUALITY CHECKED

CITY AND STATE	ELEVATION: **799** THRE: **767**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: **CLEVELAND-HOPKINS INTL**	**I-CLE**	**ILS OR LOC RWY 6R, AMDT 21** **ILS RWY 6R (SA CAT II)** 05 MAY 2011	AMDT: **20B** DATED: **08/26/2010**

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
CXR VOR/DME	FUVEN INT/I-HPI 17.99 DME/RADAR	288.50 / 18.67	6000
FUVEN INT/I-HPI 17.99 DME/RADAR (IAF)	NATON/ 14.85 DME/RADAR	236.96 / 3.14 (I-HPI)	5000
NATON/ 14.85 DME/RADAR	CAASS/ 11.71 DME/RADAR	236.96 / 3.14 (I-HPI)	4000
CAASS/ 11.71 DME/RADAR (IF)	SCOTZ/ 8.57 DME/RADAR	236.96 / 3.14 (I-HPI)	3000

MISSED APPROACH

ILS: DA
LOC: 6.79 MILES AFTER SCOTZ/8.57 DME/RADAR OR AT I-HPI 1.78 DME FIX

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 200 AND ON DJB VOR/DME R-143 TO SAROW INT/DJB 20.00 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 200 AND ON BSV VOR/DME R-322 TO SAROW INT/BSV 29.68 DME AND HOLD NW, RT, 142.42 INBOUND.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT FUVEN
3. FAC: 236.96 FAF: SCOTZ/ 8.57 DME/RADAR DIST FAF TO MAP: 6.79 THLD: 6.79
4. MIN. ALT: FUVEN 6000, NATON 5000, CAASS 4000, SCOTZ 3000, BLESU/ 3.78 DME/RADAR 1460##
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: 927 GS ANT: 1021
6. MIN GS INCPT: 3000 GS ALT AT: SCOTZ 3000 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 51.7
8. MSA FROM: DJB VOR/DME 3100

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 142.93 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW SAROW INT/BSV 29.68 DME, RT, 142.42 INBOUND.
CHART FAS OBST: 874 TREE 412531N/0814943W
CHART: 910 TOWER 412631N/0814819W
CHART VDP AT 2.73 DME##;
DISTANCE VDP TO THLD 0.95 MILES.
##LOC ONLY.
CHART I-BFT OM
CHART ARRIVAL HOLDING AT CAASS; HOLD NE, RT, 236.96 INBOUND, 4000.

MAG VAR: 7W EPOCH YEAR: 1990

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 24L	986	1800	200	986	1800	200	986	1800	200	986	1800	200			
S-LOC 24L	1140	2400	354	1140	2400	354	1140	3000	354	1140	3000	354			
SIDESTEP 24R	1140	5000	360	1140	5000	360	1140	1 1/2	360	1140	2	360			
CIRCLING	1300	1	501	1300	1	501	1320	1 1/2	521	1360	2	561			

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 24L: CAT A, B, C, D, RA 100, RVR 1200, HATh 100, DA 886 MSL.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 10 NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 24R.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 799 THRE: 24L 786 THRE: 24R 780	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: CLEVELAND-HOPKINS INTL	I-HPI	ILS OR LOC RWY 24L, AMDT 22 ILS RWY 24L (SA CAT II) 05 MAY 2011	AMDT: 21B DATED 08/26/2010

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 NOTE: DME OR RADAR REQUIRED.
CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.
CHART PLANVIEW NOTE: CAUTION: BURKE LAKEFRONT OM MAY BE RECEIVED IN INTERMEDIATE SEGMENT.
CHART PLANVIEW NOTE: SIDESTEP MANEUVER NOT AUTHORIZED PRIOR TO BLESU.
SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

CITY AND STATE	ELEVATION: 799 THRE: 24L 786 THRE: 24R 780	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: CLEVELAND-HOPKINS INTL	I-HPI	ILS OR LOC RWY 24L, AMDT 22 ILS RWY 24L (SA CAT II) 05 MAY 2011	AMDT: 21B DATED: 08/26/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC PACKET - 424-18 - ILS

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        CXR   K5011270VDH  N41310095W081094746    N41310095W081094746W0050013102     NARCHARDON
        SUSAD        DJB   K5011360VDHA N41212903W082094309    N41212903W082094309W0050007802     NARDRYER
        SUSAD KCLEK5 IHPI  K5010990 IT                      IHPIN41234434W081521808     007790     NARCLEVELAND-HOPKINS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CAASS K50    R      N41311820W081402408                    W0082     NAR          CAASS
        SUSAEAENRT   FUVEN K50    R      N41351996W081335906                    W0083     NAR          FUVEN
        SUSAEAENRT   NATON K50    R      N41331913W081371167                    W0083     NAR          NATON
        SUSAEAENRT   SAROW K50    C    L N41063638W081515939                    W0080     NAR          SAROW
        SUSAEAENRT   SCOTZ K50    C      N41291718W081433631                    W0082     NAR          SCOTZ

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5ACLE     0     099YHN41243390W081511690W007000799          1800018000C    MNAR    CLEVELAND-HOPKINS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5FI24L  ACXR   010CXR  K5D 0V      IF                                          18000                  0 NS
        SUSAP KCLEK5FI24L  ACXR   020FUVENK5EA0E  A   TF                                  + 06000                        0 NS
        SUSAP KCLEK5FI24L  ACXR   030NATONK5EA0E      TF                                  + 05000                        0 NS
        SUSAP KCLEK5FI24L  ACXR   040CAASSK5EA0EE H   CF IHPIK5      056901172370003 1PI  + 04000                        0 NS
        SUSAP KCLEK5FI24L  I      010CAASSK5EA0E  I   IF IHPIK5      05690117        PI   J 040000300018000              0 NS
        SUSAP KCLEK5FI24L  I      020SCOTZK5EA0E  F   CF IHPIK5      0569008623700031PI   H 0300003000       -300DJB   K5D 0 NS
        SUSAP KCLEK5FI24L  I      030RW24LK5PG0GY M   CF IHPIK5      0569001823700068PI     00837            -300           0 NS
        SUSAP KCLEK5FI24L  I      040          0  M   CA                      2370        + 01300                        0 NS
        SUSAP KCLEK5FI24L  I      050          0      VI                      2000                                       0 NS
        SUSAP KCLEK5FI24L  I      060SAROWK5EA0EY     CF DJB K5      1429020014290060D    + 03000                        0 NS
        SUSAP KCLEK5FI24L  I      070SAROWK5EA0EE  R  HM                      1429T010     + 03000                        0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5GRW24L   0099562370 N41245514W081503137-0100    +020530078600005215OIIHPI1    IFVZL

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

OBSOLETE 6

CITY AND STATE	ELEVATION: 799 THRE: 786	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: CHECKLIST
CLEVELAND, OH	AIRPORT NAME: **CLEVELAND-HOPKINS INTL**	**I-HPI**	**ILS OR LOC RWY 24L, AMDT 22** **ILS RWY 24L (SA CAT II)** 05 MAY 2011	AMDT: **21B** DATED: **08/26/2010**

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

```
SUSAP KCLEK5IIHPI1   010990RW24LN41234543W081522152237ON41245195W0815045311010 10210366300W00705200782

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5SDJB  K5D               0   18018003125                                                                  M
```

CITY AND STATE	ELEVATION: 799 THRE: 786	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: **CLEVELAND-HOPKINS INTL**	**I-HPI**	**ILS OR LOC RWY 24L, AMDT 22** **ILS RWY 24L (SA CAT II)** 05 MAY 2011	AMDT: **21B** DATED: **08/26/2010**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CXR	CXR	010		IF		FB					
	CXR	FUVEN	020	IAF	TF		FB				AA 06000	
	CXR	NATON	030		TF		FB				AA 05000	
	CXR	CAASS	040		CF		FB		237.0()	003.1	AA 04000	
		CAASS	010	FACF	IF		FB				AA 04000 GI 03000	
		SCOTZ	020	FAF	CF		FB		237.0()	003.1	GI 03000 GS 03000	
		RW24L	030	MAP	CF		FO		237.0()	006.8	AT 00837	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		237.0()		AA 01300	
		050		VI		FB		200.0()			
	SAROW	060		CF		FO		142.9()	006.0	AA 03000	
	SAROW	070		HM	R	FO		142.9()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CXR	N413100.95	W0810947.46	N4131.016	W08109.791
	DJB	N412129.03	W0820943.09	N4121.484	W08209.718
	IHPI (DME)	N412344.34	W0815218.08	N4123.739	W08152.301
	CAASS	N413118.20	W0814024.08	N4131.303	W08140.401
	FUVEN	N413519.96	W0813359.06	N4135.333	W08133.984
	NATON	N413319.13	W0813711.67	N4133.319	W08137.195
	SAROW	N410636.38	W0815159.39	N4106.606	W08151.990
	SCOTZ	N412917.18	W0814336.31	N4129.286	W08143.605
	RW24L	N412455.14	W0815031.37	N4124.919	W08150.523
	IHPI (LOC)	N412345.43	W0815221.52	N4123.757	W08152.359

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24L	00786	52

QUALITY CHECKED

CITY AND STATE	ELEVATION: **799** THRE: **786**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: **CLEVELAND-HOPKINS INTL**	**I-HPI**	**ILS OR LOC RWY 24L, AMDT 22** **ILS RWY 24L (SA CAT II)** 05 MAY 2011	AMDT: **21B** DATED: **08/26/2010**

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
CXR VOR/DME	PUDSE INT/I-PVY 15.89 DME/RADAR	288.43 / 18.94	6000
PUDSE INT/I-PVY 15.89 DME/RADAR (IAF)	LACIK/12.75 DME/RADAR	236.95 / 3.14 (I-PVY)	5000
LACIK/12.75 DME/RADAR	CIVAC/9.61 DME/RADAR	236.95 / 3.14 (I-PVY)	4000
CIVAC/ 9.61 DME/RADAR (IF)	JEDSU/ 6.47 DME/RADAR	236.95 / 3.14 (I-PVY)	3000

MISSED APPROACH

ILS: DA
LOC: 6.81 MILES AFTER JEDSU/6.47 DME/RADAR OR AT 0.34 DME FIX

CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DJB VOR/DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 285.00 AND ON SKY VOR/DME R-105 TO WAMDO/SKY 23.00 DME AND HOLD W, RT, 105.00 INBOUND.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT PUDSE INT/15.89 DME/RADAR
3. FAC: 236.95 FAF: JEDSU/ 6.47 DME/RADAR DIST FAF TO MAP: 6.81 THLD: 6.81
4. MIN. ALT: PUDSE 6000, LACIK 5000, CIVAC 4000, JEDSU 3000, FIDIN/2.08 DME/RADAR 1600*
5. DIST TO THLD FROM OM: - MM: - IM: 857 150 HAT: 1887 100 HAT: 935 GS ANT: 1064
6. MIN GS INCPT: 3000 GS ALT AT: JEDSU 3000 OM: - MM: - IM: 880
7. GS ANGLE: 3.00 TCH: 50.7
8. MSA FROM: DJB VOR/DME 3100

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 077.04 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W WAMDO/SKY 23.00 DME, RT, 105.00 INBOUND.
CHART FAS OBST: 879 TREE 412531N/0815002W
CHART: 910 TOWER 412631N/0814819W
CHART VDP AT 0.58 DME*;
DISTANCE VDP TO THLD 0.92 MILES.
*LOC ONLY.
CHART IN PLANVIEW: WAMDO/SKY 23.00 DME.
CHART ARRIVAL HOLDING AT LACIK; HOLD NE, RT, 236.95 INBOUND, 3000.

MAG VAR: 7W EPOCH YEAR: 1990

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 24R	980	1800	200	980	1800	200	980	1800	200	980	1800	200			
S-LOC 24R	1140	2400	360	1140	2400	360	1140	3000	360	1140	3000	360			
SIDESTEP 24L	1280	6000	494	1280	6000	494	1280	1 3/4	494	1280	2 1/4	494			
CIRCLING	1300	1	501	1300	1	501	1320	1 1/2	521	1360	2	561			

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 24R: CAT A, B, C, D, RA 100, RVR 1200, HATh 100, DA 880 MSL.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS-24R: 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: 799 THRE: 24R 780 THRE: 24L 786 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	CLEVELAND-HOPKINS INTL	I-PVY	ILS OR LOC/DME RWY 24R, AMDT 5 ; ILS RWY 24R (CAT II) ; ILS RWY 24R (CAT III) ; ILS RWY 24R (SA CAT I) 05 MAY 2011	AMDT: 4A DATED 08/26/2010

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

NOTES, (CONT.):
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 10 NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 24L.
CHART PLANVIEW NOTE: DME REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

SA CATEGORY I ILS: SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 24R: CAT A, B, C, D, RA 150, RVR 1400, HATH 150, DA 930 MSL.

SA CAT I CHART NOTE: REQURES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC PACKET - 424-18 - ILS

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        CXR   K5011270VDH  N41310095W081094746    N41310095W081094746W0050013102     NARCHARDON
        SUSAD        DJB   K5011360VDHA N41212903W082094309    N41212903W082094309W0050007802     NARDRYER
        SUSAD KCLEK5 IPVY  K5011155 IT                    IPVYN41251194W081503568     007830     NARCLEVELAND-HOPKINS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CIVAC K50    R     N41312067W081404572                    W0082     NAR          CIVAC
        SUSAEAENRT   JEDSU K50    C     N41291962W081435792                    W0082     NAR          JEDSU
        SUSAEAENRT   LACIK K50    R     N41332162W081373333                    W0083     NAR          LACIK
        SUSAEAENRT   PUDSE K50    R     N41352247W081342075                    W0083     NAR          PUDSE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5ACLE     0     099YHN41243390W081511690W007000799         1800018000C    MNAR    CLEVELAND-HOPKINS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5FI24R  ACXR   010CXR  K5D 0V       IF                                          18000                0 DS
        SUSAP KCLEK5FI24R  ACXR   020PUDSEK5EA0E  A    TF                                  + 06000                      0 DS
        SUSAP KCLEK5FI24R  ACXR   030LACIKK5EA0E  H    TF                                  + 05000                      0 DS
        SUSAP KCLEK5FI24R  ACXR   040CIVACK5EA0EE B    CF IPVYK5      0569011623700031PI   + 04000                      0 DS
        SUSAP KCLEK5FI24R  I      010CIVACK5EA0E  I    IF IPVYK5      05690116        PI   J 040000300018000                0 DS
        SUSAP KCLEK5FI24R  I      020JEDSUK5EA0E  F    CF IPVYK5      0569008523700031PI   H 0300003000        -300DJB   K5D 0 DS
        SUSAP KCLEK5FI24R  I      030RW24RK5PG0GY M    CF IPVYK5      0569001623700068PI     00831             -300         0 DS
        SUSAP KCLEK5FI24R  I      040          0  M    CA                        2370        + 01700                      0 DS
        SUSAP KCLEK5FI24R  I      050DJB  K5D 0VY      DF                                  + 03000                      0 DS
        SUSAP KCLEK5FI24R  I      060DJB  K5D 0VE  R   HM                      0770T010     + 03000                      0 DS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5GRW24R   0090002370 N41245675W081505415-0100    +020360078000005115OIIPVY3

                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5IIPVY3   011155RW24RN41235308W08152347523 70N41245301W08151082210 15 10640400300W00705100768
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CITY AND STATE	ELEVATION: 799 THRE: 780	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: **CLEVELAND-HOPKINS INTL**	**I=PVY**	ILS OR LOC/DME RWY 24R, AMDT 5 ; ILS RWY 24R (CAT II) ; ILS RWY 24R (CAT III) ; ILS RWY 24R (SA CAT I) **05 MAY 2011**	AMDT: **4A**
				DATED: **08/26/2010**

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5SDJB  K5D                0   18018003125                                                                M
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CITY AND STATE	ELEVATION: 799 THRE: 780	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: **CLEVELAND-HOPKINS INTL**	**I=PVY**	ILS OR LOC/DME RWY 24R, AMDT 5 ; ILS RWY 24R (CAT II) ; ILS RWY 24R (CAT III) ; ILS RWY 24R (SA CAT I) **05 MAY 2011**	AMDT: **4A**
				DATED: **08/26/2010**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CXR	CXR	010		IF		FB					
	CXR	PUDSE	020	IAF	TF		FB				AA 06000	
	CXR	LACIK	030		TF		FB				AA 05000	
	CXR	CIVAC	040		CF		FB		237.0()	003.1	AA 04000	
		CIVAC	010	FACF	IF		FB				AA 04000 GI 03000	
		JEDSU	020	FAF	CF		FB		237.0()	003.1	GI 03000 GS 03000	
		RW24R	030	MAP	CF		FO		237.0()	006.8	AT 00831	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		237.0()		AA 01700	
	DJB	050		DF		FO				AA 03000	
	DJB	060		HM	R	FO		077.0()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CXR	N413100.95	W0810947.46	N4131.016	W08109.791
	DJB	N412129.03	W0820943.09	N4121.484	W08209.718
	IPVY (DME)	N412511.94	W0815035.68	N4125.199	W08150.595
	CIVAC	N413120.67	W0814045.72	N4131.345	W08140.762
	JEDSU	N412919.62	W0814357.92	N4129.327	W08143.965
	LACIK	N413321.62	W0813733.33	N4133.360	W08137.556
	PUDSE	N413522.47	W0813420.75	N4135.375	W08134.346
	RW24R	N412456.75	W0815054.15	N4124.946	W08150.903
	IPVY (LOC)	N412353.08	W0815234.75	N4123.885	W08152.579

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24R	00780	51

QUALITY CHECKED

CITY AND STATE	ELEVATION: **799** THRE: **780**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: **CLEVELAND-HOPKINS INTL**	**I=PVY**	ILS OR LOC/DME RWY 24R, AMDT 5 ; ILS RWY 24R (CAT II) ; ILS RWY 24R (CAT III) ; ILS RWY 24R (SA CAT I) **05 MAY 2011**	AMDT: **4A**
				DATED: **08/26/2010**

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
LACIK/12.75 DME/RADAR (IF/IAF)	CIVAC/9.61 DME/RADAR	236.95 / 3.14 (I-PVY)	4000

MISSED APPROACH

ILS: DA

CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DJB VOR/DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 285.00 AND ON SKY VOR/DME R-105 TO WAMDO/SKY 23.00 DME AND HOLD W, RT, 105.00 INBOUND.

1. PT ___ SIDE OF COURSE ___ OUTBOUND ___ FT WITHIN ___ MILES OF ___ (IAF)
2. PROFILE STARTS AT LACIK/12.75 DME/RADAR
3. FAC: 236.95 FAF: ___ DIST FAF TO MAP: ___ THLD: ___
4. MIN. ALT: LACIK 4000, CIVAC 4000
5. DIST TO THLD FROM OM: 9.95 MM: - IM: 857 150 HAT: - 100 HAT: - GS ANT: 1064
6. MIN GS INCPT: 4000 GS ALT AT: CIVAC 4000, JEDSU 3000, FIDIN 1600 OM: - MM: - IM: 880
7. GS ANGLE: 3.00 TCH: 50.7
8. MSA FROM: DJB VOR/DME 3100

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 077.04 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W WAMDO/SKY 23.00 DME, RT, 105.00 INBOUND.
CHART LDA RWY 24L.
CHART IN PLANVIEW: WAMDO/SKY 23.00 DME.
CHART MANDATORY 4000 AT CIVAC.
CHART MANDATORY 4000 AT LACIK.
CHART PLANVIEW AND PROFILE: JEDSU/6.47 DME, FIDIN/2.08 DME.

MAG VAR: 7W EPOCH YEAR: 1990

MINIMUMS

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

ALTERNATE: N A [X]

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 24R	980	1800	200	980	1800	200	980	1800	200	980	1800	200			

NOTES:
CHART NOTE: RUNWAY 24R AND 24L SEPARATED BY 1241 FEET CENTERLINE TO CENTERLINE.
CHART NOTE: SIMULTANEOUS CLOSE PARALLEL APPROACH AUTHORIZED WITH LDA PRM RUNWAY 24L. PROCEDURE NOT AUTHORIZED WHEN GLIDE SLOPE NOT AVAILABLE. DUAL VHF COMM REQUIRED. SEE ADDITIONAL REQUIREMENTS ON AAUP.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 799 THRE: 780 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	CLEVELAND-HOPKINS INTL	I-PVY	ILS PRM RWY 24R, AMDT 1 (SIMULTANEOUS CLOSE PARALLEL) 05 MAY 2011	AMDT: ORIG-B DATED 08/26/2010

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 NOTE: RADAR AND DME REQUIRED.

CITY AND STATE	ELEVATION: 799 THRE: 780 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	CLEVELAND-HOPKINS INTL	I-PVY	ILS PRM RWY 24R, AMDT 1 (SIMULTANEOUS CLOSE PARALLEL) 05 MAY 2011	AMDT: ORIG-B DATED: 08/26/2010

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CXR VOR/DME	SUPME (FB)	283.38 / 16.93	4000
SUPME (IAF)	RILKE (NOPT) (FB)	279.93 / 4.05	3000
RILKE (IF/IAF)	SCOTZ (FB)	237.10 / 5.89	3000
SCOTZ (FAF)	BLESU/2.00 NM TO RW24L (FB)	237.04 / 4.79	
BLESU/2.00 NM TO RW24L	RW24L (MAP) (FO)	236.98 / 2.00	
RW24L (MAP)	986 MSL	236.98	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW24L

CLIMB TO 3000 DIRECT HASLE AND ON TRACK 176.07 TO SAROW AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE RILKE, RT, 237.10 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 237.04 FAF: SCOTZ DIST FAF TO MAP: 6.79 THLD: 6.79
4. MIN. ALT: RILKE 3000, SCOTZ 3000, BLESU/2.00 NM TO RW24L 1460*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: SCOTZ 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 51.7 34:1 IS CLEAR
8. MSA FROM: RW24L 3100

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 177.51 INBOUND.
CHART FAS OBST: 993 ATCT 412441N/0815020W
DISTANCE TO THLD FROM 200 HATH: 0.47 NM.
CHART VDP AT 1.33 MILES TO RW24L*
*LNAV ONLY.
WAAS CHANNEL # 77506
REFERENCE PATH ID: W24B
LTP HAE: 205.3 M

MAG VAR: 7W EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	986	2400	200	986	2400	200	986	2400	200	986	2400	200			
LNAV/VNAV DA	1154	4000	368	1154	4000	368	1154	4000	368	1154	4000	368			
LNAV MDA	1260	2400	474	1260	2400	474	1260	5000	474	1260	5000	474			
CIRCLING	1300	1	501	1300	1	501	1320	1 1/2	521	1360	2	561			

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 10 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 38C (100F).
CHART NOTE: DME/DME RNP-0.3 NA.

CITY AND STATE	ELEVATION: 799 THRE: 786 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	CLEVELAND-HOPKINS INTL	RNAV	RNAV (GPS) RWY 24L, AMDT 3 05 MAY 2011	AMDT: 2 DATED 11/20/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
986 MSL	HASLE (FB)		
HASLE	SAROW (FO)	176.07/15.23	3000

CITY AND STATE	ELEVATION: 799 THRE: 786	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: CLEVELAND-HOPKINS INTL	RNAV	RNAV (GPS) RWY 24L, AMDT 3 05 MAY 2011	AMDT: 2 DATED: 11/20/2008

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCLE
RUNWAY	RW24L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24B
LTP/FTP LATITUDE	412455.1400N
LTP/FTP LONGITUDE	0815031.3700W
LTP/FTP ELLIPSOIDAL HEIGHT	+02053
FPAP LATITUDE	412351.8500N
FPAP LONGITUDE	0815211.3800W
THRESHOLD CROSSING HEIGHT (TCH)	00051.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	5C4C9AA2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02395
FPAP ORTHOMETRIC HEIGHT	+02395

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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        CXR    K5011270VDH  N41310095W081094746    N41310095W081094746W0050013102     NARCHARDON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLESU K50    C      N41261236W081482922                    W0081     NAR           BLESU
        SUSAEAENRT   HASLE K50    W      N41213420W081554858                    W0080     NAR           HASLE
        SUSAEAENRT   RILKE K50    W      N41330410W081373559                    W0082     NAR           RILKE
        SUSAEAENRT   SAROW K50    C    L N41063638W081515939                    W0079     NAR           SAROW
        SUSAEAENRT   SCOTZ K50    C      N41291718W081433631                    W0081     NAR           SCOTZ
        SUSAEAENRT   SUPME K50    W      N41325177W081321216                    W0083     NAR           SUPME

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5ACLE     0     099YHN41243390W081511690W007000799          1800018000C    MNAR    CLEVELAND-HOPKINS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5FR24L  ACXR   010CXR  K5D 0V       IF                                          18000                A JS
        SUSAP KCLEK5FR24L  ACXR   020SUPMEK5EA0E  A 020TF                  28340169    + 04000                        A JS
        SUSAP KCLEK5FR24L  ACXR   030RILKEK5EA0EE B 010TF                  27990041    + 03000                        A JS
        SUSAP KCLEK5FR24L  ARILKE 010RILKEK5EA0EE AR   HF                 23710040    + 03000     18000              A JS
        SUSAP KCLEK5FR24L  R      010RILKEK5EA0E  1    1F                              + 03000     18000              A JS
        SUSAP KCLEK5FR24L  R      020SCOTZK5EA1E  F 051TF                  23710059    + 03000                RW24L K5PGA JS
        SUSAP KCLEK5FR24L  R      020SCOTZK5EA2WALPV       ALNAV/VNAV ALNAV                                            JS
        SUSAP KCLEK5FR24L  R      021BLESUK5EA0E S  031TF                  23700048    V 0146001474      -300      A JS
        SUSAP KCLEK5FR24L  R      030RW24LK5PG0GY M 031TF                  23700020      00837           -300      A JS
        SUSAP KCLEK5FR24L  R      040         0  M     CA                  2370        + 00986                     A JS
        SUSAP KCLEK5FR24L  R      050HASLEK5EA0E        DF                                                        A JS
        SUSAP KCLEK5FR24L  R      060SAROWK5EA0EY   010TF                  1761        + 03000                     A JS
        SUSAP KCLEK5FR24L  R      070SAROWK5EA0EE  R   HM                  17750040    + 03000                     A JS
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CHECKED

CITY AND STATE	ELEVATION: 799 THRE: 786 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	CLEVELAND-HOPKINS INTL	RNAV	RNAV (GPS) RWY 24L, AMDT 3 05 MAY 2011	AMDT: 2 DATED: 11/20/2008

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```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5GRW24L    0099562370 N41245514W081503137-0100     +02053007860000521501

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5PR24L   RW24L001 0000W24B0N4124551400W08150313700+020530300N4123518500W08152113800106750000000517F4003505C4C9AA2
        SUSAP KCLEK5PR24L   RW24L002E       +02395+02395LPV       77506

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5SRW24LK5PG                0   18018003125                                                                   M
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CITY AND STATE	ELEVATION: 799 THRE: 786 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	**CLEVELAND-HOPKINS INTL**	**RNAV**	**RNAV (GPS) RWY 24L, AMDT 3** 05 MAY 2011	AMDT: **2** DATED: **11/20/2008**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CXR VOR/DME	SUPME (FB)	283.38 / 16.93	5000
SUPME (IAF)	OGNEE (NOPT) (FB)	283.16 / 4.11	3500
OGNEE (IF/IAF)	JEDSU (FB)	237.10 / 6.19	3000
JEDSU (FAF)	FIDIN/2.42 NM TO RW24R (FB)	237.03 / 4.39	
FIDIN/2.42 NM TO RW24R	RW24R (MAP) (FO)	236.98 / 2.42	
RW24R (MAP)	980 MSL	236.98	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW24R

CLIMB TO 3000 DIRECT ZAPAN AND ON TRACK 272.52 TO DJB VOR/DME AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE OGNEE, RT, 237.10 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
3. FAC: 237.03 FAF: JEDSU DIST FAF TO MAP: 6.81 THLD: 6.81
4. MIN. ALT: OGNEE 3500, JEDSU 3000, FIDIN/2.42 NM TO RW24R 1600*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: JEDSU 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.7 34:1 IS CLEAR
8. MSA FROM: RW24R 3100

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 077.04 INBOUND.
CHART FAS OBST: 993 ATCT 412441N/0815020W
DISTANCE TO THLD FROM 200 HATH: 0.47 NM.
CHART VDP AT 1.30 MILES TO RW24R*
*LNAV ONLY.
WAAS CHANNEL # 60904
REFERENCE PATH ID: W24A
LTP HAE: 203.6 M

MAG VAR: 7W EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	980	2400	200	980	2400	200	980	2400	200	980	2400	200			
LNAV/VNAV DA	1154	4000	374	1154	4000	374	1154	4000	374	1154	4000	374			
LNAV MDA	1260	2400	480	1260	2400	480	1260	5000	480	1260	5000	480			
CIRCLING	1300	1	501	1300	1	501	1320	1 1/2	521	1360	2	561			

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 10 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 38C (100F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CITY AND STATE	ELEVATION: 799 THRE: 780 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	CLEVELAND-HOPKINS INTL	RNAV	RNAV (GPS) RWY 24R, AMDT 3 05 MAY 2011	AMDT: 2 DATED 11/20/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
980 MSL	ZAPAN (FB)		
ZAPAN	DJB VOR/DME (FO)	272.52/11.14	3000

CITY AND STATE	ELEVATION: 799 THRE: 780	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 24R, AMDT 3	AMDT: 2
	CLEVELAND-HOPKINS INTL		05 MAY 2011	DATED: 11/20/2008

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCLE
RUNWAY	RW24R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	412456.7480N
LTP/FTP LONGITUDE	0815054.1465W
LTP/FTP ELLIPSOIDAL HEIGHT	+02036
FPAP LATITUDE	412359.3800N
FPAP LONGITUDE	0815224.7800W
THRESHOLD CROSSING HEIGHT (TCH)	00050.7
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	50FEE100

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02378
FPAP ORTHOMETRIC HEIGHT	+02378

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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        CXR   K5011270VDH  N41310095W081094746    N41310095W081094746W0050013102     NARCHARDON
        SUSAD        DJB   K5011360VDHA N41212903W082094309    N41212903W082094309W0050007802     NARDRYER

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FIDIN K50    C     N41263002W081482666                    W0081     NAR          FIDIN
        SUSAEAENRT   JEDSU K50    C     N41291962W081435792                    W0081     NAR          JEDSU
        SUSAEAENRT   OGNEE K50    W     N41331814W081373886                    W0082     NAR          OGNEE
        SUSAEAENRT   SUPME K50    W     N41325177W081321216                    W0083     NAR          SUPME
        SUSAEAENRT   ZAPAN K50    W     N41222220W081545821                    W0080     NAR          ZAPAN

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5ACLE     0     099YHN41243390W081511690W007000799         1800018000C    MNAR    CLEVELAND-HOPKINS INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCLEK5FR24R  ACXR   010CXR  K5D 0V       IF                                          18000                A JS
        SUSAP KCLEK5FR24R  ACXR   020SUPMEK5EA0E  A 020TF                  28340169    + 05000                        A JS
        SUSAP KCLEK5FR24R  ACXR   030OGNEEK5EA0EE B 010TF                  28320041    + 03500                        A JS
        SUSAP KCLEK5FR24R  AOGNEE 010OGNEEK5EA0EE AR   HF                 23710040    + 03500     18000              A JS
        SUSAP KCLEK5FR24R  R      010OGNEEK5EA0E  I    IF                            + 03500     18000              A JS
        SUSAP KCLEK5FR24R  R      020JEDSUK5EA1E  F 051TF                  23710062    + 03000                RW24R K5PGA JS
        SUSAP KCLEK5FR24R  R      020JEDSUK5EA2WALPV       ALNAV/VNAV ALNAV                                            JS
        SUSAP KCLEK5FR24R  R      021FIDINK5EA0E S  031TF                  23700044    V 0160001600      -300      A JS
        SUSAP KCLEK5FR24R  R      030RW24RK5PG0GY M 031TF                  23700024      00831           -300      A JS
        SUSAP KCLEK5FR24R  R      040         0  M     CA                  2370        + 00980                      A JS
        SUSAP KCLEK5FR24R  R      050ZAPANK5EA0E        DF                                                        A JS
        SUSAP KCLEK5FR24R  R      060DJB  K5D 0VY   010TF                  2725        + 03000                      A JS
        SUSAP KCLEK5FR24R  R      070DJB  K5D 0VE  R   HM                  07700040    + 03000                      A JS
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CITY AND STATE	ELEVATION: 799 THRE: 780 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	CLEVELAND-HOPKINS INTL	RNAV	RNAV (GPS) RWY 24R, AMDT 3 05 MAY 2011	AMDT: 2 DATED: 11/20/2008

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```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCLEK5GRW24R   0090002370 N41245675W081505415-0100     +02036007800000511501

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCLEK5PR24R  RW24R001 0000W24A0N4124567480W08150541465+020360300N4123593800W0815224780010650000800050 7F40035050FEE100
       SUSAP KCLEK5PR24R  RW24R002E      +02378+02378LPV       60904

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCLEK5SRW24RK5PG               0   18018003125                                                                  M
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CITY AND STATE	ELEVATION: 799 THRE: 780	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: CLEVELAND-HOPKINS INTL	RNAV	RNAV (GPS) RWY 24R, AMDT 3 05 MAY 2011	AMDT: 2 DATED: 11/20/2008

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

MISSED APPROACH

ILS: DA
LOC: 4.81 MILES AFTER NORRM INT/I-TFM 6.11 DME OR AT I-TFM 1.30 DME FIX

CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 3300 DIRECT IFI VORTAC AND HOLD OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 3000 VIA HEADING 180 AND PWA VOR/DME R-216 TO JESKE INT/PWA 14.53 DME AND HOLD.

1. PT R SIDE OF COURSE 174.99 OUTBOUND 2900 FT WITHIN 10 MILES OF NORRM (IAF)
2.
3. FAC: 354.99 FAF: NORRM INT/6.11 DME DIST FAF TO MAP: 4.81 THLD: 4.81
4. MIN. ALT: NORRM 2900
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1113
6. MIN GS INCPT: 2900 GS ALT AT: - NORRM 2900 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 49.9
8. MSA FROM: PWA VOR/DME 110-330 3300, 330-110 3800

ADDITIONAL FLIGHT DATA:
HOLD NE, LT, 243.27 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW JESKE INT/PWA 14.53 DME, RT, 036.15 INBOUND.
CHART FAS OBST: 1478 TANK 353043N/0973829W 1479 AAO 352555N/0973754W.
CHART VDP AT 2.54 DME*;
DISTANCE VDP TO THLD 1.24 MILES.
*LOC ONLY.
CHART IN PLANVIEW: JESKE INT/PWA 14.53 DME.
CHART MAXIMUM 6,000 AT NORRM INT/I-TFM 6.11 DME
CHART IN PLANVIEW: (DNBVB) AT 352042.81N/0973843.64W
CHART IN PLANVIEW: IRW VORTAC R-334 UNUSABLE FOR PROCEDURE TURN.
CHART: ASR

MAG VAR: 5E 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	1499	1/2	200	1499	1/2	200	1499	1/2	200	1499	1/2	200			
S-LOC 35R	1740	1/2	441	1740	1/2	441	1740	3/4	441	1740	1	441			
CIRCLING	1780	1	480	1780	1	480	1780	1 1/2	480	1880	2	580			

NOTES:
CHART PLANVIEW NOTE: RADAR AND DME REQUIRED.
CHART PROFILE NOTE: USE I-TFM DME WHEN ON THE LOCALIZER COURSE.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILL ROGERS WORLD ALTIMETER SETTING AND (SEE FORM 8260-10)

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

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 1300 TDZE: 1299	FACILITY IDENTIFIER: I-TFM	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
OKLAHOMA CITY, OK	AIRPORT NAME: WILEY POST		ILS OR LOC RWY 35R, ORIG 5 May 2011	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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NOTES, (CONT.):
INCREASE ALL DA 21 FEET AND ALL MDA 40 FEET.
CHART NOTE: VDP NA WITH WILL ROGERS WORLD ALTIMETER SETTING.

QUALITY 1 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
OKLAHOMA CITY, OK	**ELEVATION: 1300 TDZE: 1299** AIRPORT NAME: **WILEY POST**	**I-TFM**	**ILS OR LOC RWY 35R, ORIG** 5 May 2011	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
BTG VORTAC	COVHO (FO)	297.67 / 19.34	3200
COUGA	IMJUS (FB)	218.16 / 6.38	4800
PITER	COVHO (FO)	031.46 / 7.04	4300
IMJUS (IAF)	COVHO (NOPT) (FB)	218.08 / 6.00	3200
LOATH (IAF)	COVHO (NOPT) (FB)	094.01 / 6.30	3200
COVHO (IF/IAF)	ISRIY (FB)	151.61 / 5.00	2000
ISRIY	WESAV (FB)	151.63 / 1.40	1900
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW15

CLIMB TO 700 THEN CLIMBING LEFT TURN TO 3600 DIRECT IMJUS AND HOLD.

1. PT ____ SIDE OF COURSE OUTBOUND FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW COVHO, RT, 151.61 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
3. FAC: 151.63 FAF: WESAV DIST FAF TO MAP: 5.60 THLD: 5.60
4. MIN. ALT: COVHO 3200, ISRIY 2000, WESAV 1900, ZIRBA/3.40 NM TO RW15 1180*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1900 GS ALT AT: WESAV 1900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.01 TCH: 54.0 34:1 IS NOT CLEAR
8. MSA FROM: RW15 5800

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 160.00 INBOUND.
CHART FAS OBST: 379 TREE 454914N/1225322W
CHART FAS OBST: 259 TREE 454730N/1225255W
599 AAO 455008N/1225341W
DISTANCE TO THLD FROM 292 HATH: 0.74 NM.
WAAS CHANNEL # 65720
REFERENCE PATH ID: W15A
LTP HAE: -4.8 M

MAG VAR: 17E 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	350	1	292	350	1	292	350	1	292	350	1	292			
LNAV/VNAV DA	580	1 3/4	522	580	1 3/4	522	580	1 3/4	522	580	1 3/4	522			
LNAV MDA	640	1	582	640	1	582	640	1 3/4	582	640	1 3/4	582			
CIRCLING	640	1	582	640	1	582	640	1 3/4	582	640	2	582			

NOTES:
CHART NOTE: CIRCLING NA WEST OF RWY 15-33.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
*LNAV ONLY
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 58 THRE: 58 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SCAPPOOSE, OR	SCAPPOOSE INDUSTRIAL AIRPARK	RNAV	RNAV (GPS) RWY 15, ORIG 05 MAY 2011	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
WESAV (FAF)	ZIRBA/3.40 NM TO RW15 (FB)	151.63 / 2.20	
ZIRBA/3.40 NM TO RW15	RW15 (MAP) (FO)	151.64 / 3.40	
RW15 (MAP)	700 MSL	151.64	700
700 MSL	IMJUS (FO)		3600

NOTES, (CONT.):

CHART NOTE: WHEN VGSI INOP, STRAIGHT IN AND CIRCLING TO RWY 15 NA AT NIGHT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PORTLAND INTL ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FT AND INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE.

CHART NOTE BARO-VNAV NA WHEN USING PORTLAND INTL ALTIMETER SETTING

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 42C (107F).

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BTG VORTAC AIRWAY RADIALS 274 CW 345.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT

CITY AND STATE	ELEVATION: 58 THRE: 58	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SCAPPOOSE, OR	AIRPORT NAME: SCAPPOOSE INDUSTRIAL AIRPARK	RNAV	RNAV (GPS) RWY 15, ORIG 05 MAY 2011	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	KSPB
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	454640.4080N
LTP/FTP LONGITUDE	1225149.6530W
LTP/FTP ELLIPSOIDAL HEIGHT	-00048
FPAP LATITUDE	454513.0700N
FPAP LONGITUDE	1225124.6100W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.01
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1192
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	A4231C32

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+00177
FPAP ORTHOMETRIC HEIGHT	+00177

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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        BTG    K1011660VTHW N45445212W122352953    N45445163W122353227E0210002532     NARBATTLE GROUND

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   COUGA K10    C   L N46053123W122403859                    E0164     NAR          COUGA
        SUSAEAENRT   COVHO K10    W     N45582610W122551282                    E0164     NAR          COVHO
        SUSAEAENRT   IMJUS K10    W     N46015236W122480961                    E0164     NAR          IMJUS
        SUSAEAENRT   ISRIY K10    W     N45533208W122534799                    E0164     NAR          ISRIY
        SUSAEAENRT   LOATH K10    C   L N46004195W123033904                    E0165     NAR          LOATH
        SUSAEAENRT   PITER K10    C   L N45534617W123024631                    E0164     NAR          PITER
        SUSAEAENRT   WESAV K10    W     N45520949W122532421                    E0164     NAR          WESAV
        SUSAEAENRT   ZIRBA K10    W     N45500037W122524707                    E0164     NAR          ZIRBA

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSPBK1ASPB     0     051YHN45461570W122514260E017000058        1800018000C    MNAR    SCAPPOOSE INDUSTRIAL AIRPARK

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSPBK1FR15   ABTG   010BTG  K1D 0V       IF                                          18000              A JS
        SUSAP KSPBK1FR15   ABTG   020COVHOK1EA0EY   020TF                  29770193    + 03200                        A JS
        SUSAP KSPBK1FR15   ABTG   030COVHOK1EA0EE AR   HF                  15160040    + 03200                        A JS
        SUSAP KSPBK1FR15   ACOUGA 010COUGAK1EA0E       IF                                          18000              A JS
        SUSAP KSPBK1FR15   ACOUGA 020IMJUSK1EA0E  A 020TF                  21820064    + 04800                        A JS
        SUSAP KSPBK1FR15   ACOUGA 030COVHOK1EA0EE B 010TF                  21810060    + 03200                        A JS
        SUSAP KSPBK1FR15   ALOATH 010LOATHK1EA0E  A    IF                                          18000              A JS
        SUSAP KSPBK1FR15   ALOATH 020COVHOK1EA0EE B 010TF                  09400063    + 03200                        A JS
        SUSAP KSPBK1FR15   APITER 010PITERK1EA0E       IF                                          18000              A JS
        SUSAP KSPBK1FR15   APITER 020COVHOK1EA0EY   020TF                  03150070    + 04300                        A JS
        SUSAP KSPBK1FR15   APITER 030COVHOK1EA0EE AR  HF                   15160040    + 03200                        A JS
        SUSAP KSPBK1FR15   R      010COVHOK1EA0E  I    IF                                 + 03200    18000              A JS
        SUSAP KSPBK1FR15   R      011ISRIYK1EA0E S  051TF                  15160050    + 02000                        A JS
        SUSAP KSPBK1FR15   R      020WESAVK1EA1E  F 051TF                  15160014    + 01900                RW15  K1PGA JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 58 THRE: 58	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SCAPPOOSE, OR	AIRPORT NAME: SCAPPOOSE INDUSTRIAL AIRPARK	RNAV	RNAV (GPS) RWY 15, ORIG 05 MAY 2011	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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```
                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSPBK1FR15    R       020WESAVK1EA2WALPV        ALNAV/VNAV ALNAV                                                 JS
        SUSAP KSPBK1FR15    R       021ZIRBAK1EA0E S  031TF                        15160022     V 0118001198         -301          A JS
        SUSAP KSPBK1FR15    R       030RW15 K1PG0GY M 031TF                        15160034       00112              -301          A JS
        SUSAP KSPBK1FR15    R       040          0  M     CA                      1516         + 00700                            A JS
        SUSAP KSPBK1FR15    R       050IMJUSK1EA0EY  L    DF                                   + 03600                            A JS
        SUSAP KSPBK1FR15    R       060IMJUSK1EA0EE  R    HM                      16000040     + 03600                            A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSPBK1GRW15     0051001517 N45464041W122514965-0600     -0004800058000054100R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSPBK1PR15    RW15 001 0000W15A0N4546404080W12251496530-000480301N4545130700W12251246100106751192000540F400500A4231C32
        SUSAP KSPBK1PR15    RW15 002E      +00177+00177LPV       65720

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSPBK1SRW15 K1PG               0   18018005825                                                                  M
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 58 THRE: 58	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SCAPPOOSE, OR	AIRPORT NAME: SCAPPOOSE INDUSTRIAL AIRPARK	RNAV	RNAV (GPS) RWY 15, ORIG 05 MAY 2011	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
OKARE/BTG 10.00 DME (IAF)	BTG VORTAC (NOPT)	165.47 / 10.00	3500
OJUMU/BTG 20.00 DME (IAF)	DMAZH/BTG 10.00 DME (NOPT)	219.36 / 10.00 (BTG R-039)	6000
DMAZH/BTG 10.00 DME	BTG VORTAC	219.36 / 10.00	3500
AXQOX/BTG 20.00 DME (IAF)	DMBOR/BTG 10.00 DME (NOPT)	234.00 / 10.00 (BTG R-054)	6000
DMBOR/BTG 10.00 DME	BTG VORTAC	234.00 / 10.00	3500
PIQRI/BTG 10.00 DME (IAF)	BTG VORTAC (NOPT)	250.34 / 10.00	3500
MULES INT/BTG 17.70 DME (IAF)	BTG VORTAC (NOPT)	340.00 / 17.70	3500
BTG VORTAC (IF)	EYAVU/BTG 7.00 DME	255.00 / 7.00	1500

MISSED APPROACH

MAP: MAHKE/BTG 10.50 DME

CLIMBING RIGHT TURN TO 4200 DIRECT BTG VORTAC AND HOLD. CONTINUE CLIMB-IN-HOLD TO 4200.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 149.16 INBOUND.
FAS OBST: 349 AAO 454644N/1224433W
FAC CROSSES MID POINT OF RWY 15-33.

1. PT L SIDE OF COURSE 075.00 OUTBOUND 5600 FT WITHIN 10 MILES OF BTG VORTAC (IAF)
2.
3. FAC 255.00 FAF EYAVU/BTG 7.00 DME DIST FAF TO MAP THLD
4. MIN. ALT BTG VORTAC 3500, EYAVU 1500
8. MSA FROM: BTG VORTAC 120-310 3500, 310-120 6200

MAG VAR: 21E EPOCH YEAR:1975

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	600	1	542	600	1	542	600	1 1/2	542	620	2	562			

NOTES:

CHART NOTE: CIRCLING NA WEST OF RWY 15-33.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PORTLAND INTL ALTIMETER SETTING AND INCREASE ALL MDA 40FT

@ NA WHEN LOCAL WEATHER NOT AVAILABLE

QUALITY CHECKED

CITY AND STATE	ELEVATION: 58 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR/DME OR GPS-A
SCAPPOOSE, OR	SCAPPOOSE INDUSTRIAL AIRPARK	BTG	VOR/DME-A, AMDT 3 05 MAY 2011	AMDT 2 DATE 10/05/2000

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

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 5 MAY 2011

QUALITY CHECKED

CITY AND STATE	ELEVATION: 85 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR/DME OR GPS-A
ST GEORGE, SC	**ST GEORGE**	**VAN**	**VOR/DME-A, AMDT 2, 04/10/2008**	AMDT 1
				DATE 05/15/2003

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

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
DYERSBURG, TN	DYERSBURG RGNL	5 May 2011	1

TAKEOFF MINIMUMS:

RWY 16, 34, NA – OBSTACLES.
RWY 4, 22, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4, TREES BEGINNING 183' FROM DER, 411' LEFT OF CENTERLINE, UP TO 101' AGL/400' MSL. NOTE RWY 22, TREES BEGINNING 1484' FROM DER, 771' LEFT OF CENTERLINE, UP TO 112' AGL/381' MSL. TREES BEGINNING 1396' FROM DER, 420' RIGHT OF CENTERLINE, UP TO 128' AGL/387' MSL.

CONTROLLING OBSTACLES:

REMARKS:

QUALITY 2 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
GALLATIN, TN	SUMNER COUNTY RGNL	5 May 2011	3

TAKEOFF MINIMUMS:

RWY 17, STANDARD
RWY 35, 400 – 2 ½ OR STANDARD WITH MINIMUM CLIMB OF 373 FEET PER NM TO 900

TEXTUAL DEPARTURE PROCEDURES:

RWY 35, CLIMB HEADING 353.06 TO 1700 BEFORE TURNING LEFT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, TREES BEGINNING 87 FT FROM DER, 439 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/659 FT MSL. TREES BEGINNING 107 FT FROM DER, 446 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/659 FT MSL.

NOTE: RWY 35, TREES AND POLES BEGINNING 15 FT FROM DER, 69 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/819 FT MSL. TREES AND POLES BEGINNING 279 FT FROM DER, 12 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/939 FT MSL. VEHICLES ON ROAD BEGINNING 240 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/791 FT MSL. RISING TERRAIN BEGINNING 414 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 627 FT MSL.

CONTROLLING OBSTACLES:

RWY 35: 939 FT MSL TREE 362507.39N/0862440.30W, 819 FT MSL TREE 362349.18N/0862455.27W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 35 - 1502 FT MSL TOWER 362804.00N/0862839.00W

QUALITY CHECKED

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

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

ALTERNATE: N A

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 5 MAY 2011

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 639 TDZE: 639	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CHARLOTTESVILLE, VA	AIRPORT NAME: CHARLOTTESVILLE-ALBEMARLE	I-CHO	ILS OR LOC RWY 3, AMDT 14, 04/08/2010	AMDT: 13
				DATED 08/03/2006

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
GVE VORTAC	FIXAD INT/I-CHO 9.12 DME	273.89 / 17.19	3400
KENNI/GVE 22.79 DME (IAF)	WULDU INT/I-CHO 15.12 DME (NOPT)	073.00 / 1.03 (HDG) & 027.66 / 2.38 (I-CHO)	3300
WULDU INT/I-CHO 15.12 DME (IF)	FIXAD INT/I-CHO 9.12 DME	027.66 / 6.01 (I-CHO)	3300

MISSED APPROACH

ILS: DA
LOC: 8.19 MILES AFTER FIXAD INT/CHO 9.12 DME OR AT I-CHO 0.93 DME FIX

CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 4000 DIRECT GVE VORTAC AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3300 ON I-CHO LOCALIZER SW COURSE (208) TO FIXAD INT/I-CHO 9.12 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 033.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW FIXAD INT/I-CHO 9.12 DME, RT, 027.66 INBOUND.
CHART FAS OBST: 719 TREE 380754N/0782735W
CHART: 782 TOWER 380440N/0782820W
1879 AAO 375845N/0782930W
CHART VDP AT 1.83 DME&;
DISTANCE VDP TO THLD 0.90 MILES.
&LOC ONLY.
CHART (ZISMI) AT INTERSECTION OF KENNI DR LEG AND INTERMEDIATE COURSE.
CHART IN PLANVIEW: GVE 17.19 DME AT FIXAD
CHART PLANVIEW NOTE: LOC OFFSET 2.47 DEGREES.
FAC CROSSES RWY C/L EXTENDED 2584 FROM THLD.

MAG VAR: 8W EPOCH YEAR: 1985

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW FIXAD, RT, 027.66 INBOUND, 3300 FT. IN LIEU OF PT (FAF/IAF)
3. FAC: 027.66 FAF: FIXAD INT/I-CHO 9.12 DME DIST FAF TO MAP: 8.19 THLD: 8.19
4. MIN. ALT: FIXAD 3300, JITTV INT/I-CHO 3.83 DME 1620*& *1700 WHEN USING ORANGE ALTIMETER SETTING.
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1100
6. MIN GS INCPT: 3300 GS ALT AT: FIXAD 3300 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 53.7
8. MSA FROM: GVE VORTAC 045-225 2000, 225-045 4900

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 3	889	1/2	250	889	1/2	250	889	1/2	250	889	1/2	250			
S-LOC 3	1620	3/4	981	1620	1	981	1620	2 1/2	981	1620	2 1/2	981			
CIRCLING	1620	1 1/4	981	1620	1 1/2	981	1620	3	981	1620	3	981			
JITTV FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)															
S-LOC 3	980	1/2	341	980	1/2	341	980	3/4	341	980	3/4	341			
CIRCLING	1100	1	461	1100	1	461	1100	1 1/2	461	1400	2 1/2	761			

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORANGE ALTIMETER SETTING AND INCREASE S-ILS 3 DA TO 961, AND ALL MDA 80 FEET; INCREASE S-ILS 3 ALL CATS VISIBILITY 1/8 MILE AND JITTV FIX MINIMUMS CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ORANGE ALTIMETER SETTING, INCREASE S-ILS 3 ALL CATS (SEE FORM 8260-10)

@ CAT A/B 1000-2, CAT C/D 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
@ NA WHEN CONTROL TOWER CLOSED.

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 639 THRE: 639 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CHARLOTTESVILLE, VA	CHARLOTTESVILLE-ALBEMARLE	I-CHO	ILS OR LOC RWY 3, ORIG 5 MAY 2011	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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NOTES, (CONT.):
AND JITIV FIX MINIMUMS S-LOC 3 CATS C AND D VISIBILITY TO 1 MILE.
CHART NOTE: VDP NA WHEN USING ORANGE ALTIMETER SETTING.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 639 THRE: 639	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CHARLOTTESVILLE, VA	AIRPORT NAME: CHARLOTTESVILLE-ALBEMARLE	I-CHO	ILS OR LOC RWY 3, ORIG 5 MAY 2011	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC PACKET - 424-18 - ILS

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        GVE   K6011560VTHA N38004896W078091089    N38004896W078091089W0060003822     NARGORDONSVILLE
          SUSAD KCHOK6 ICHO  K6011170 IT                    ICHON38084548W078270515     005870     NARCHARLOTTESVILLE-ALBEMARLE

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   FIXAD K60    R     N38000885W078305486                    W0096     NAR          FIXAD
          SUSAEAENRT   KENNI K60    C   L N37514749W078353874                    W0095     NAR          KENNI
          SUSAEAENRT   WULDU K60    R     N37542887W078332777                    W0095     NAR          WULDU
          SUSAEAENRT   ZISMI K60    W     N37521403W078342830                    W0095     NAR          CNF(ZISMI)

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCHOK6ACHO     0      060YHN38081910W078271030W008000639         1800018000C    MNAR    CHARLOTTESVILLE-ALBEMARLE

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCHOK6FI03   AGVE   010GVE  K6D 0V      IF                                          18000              0 NS
          SUSAP KCHOK6FI03   AGVE   020FIXADK6EA0EY     TF                                + 03400                  0 NS
          SUSAP KCHOK6FI03   AGVE   030FIXADK6EA0EE AR   HF GVE K6      273901720277T010D  + 03300                  0 NS
          SUSAP KCHOK6FI03   AKENNI 010KENNIK6EA0E  A    IF                                          18000          0 NS
          SUSAP KCHOK6FI03   AKENNI 020ZISMIK6EA0E     TF                                + 03300                  0 NS
          SUSAP KCHOK6FI03   AKENNI 030WULDUK6EA0EE B    CF ICHOK6      2077015102770024PI  + 03300                  0 NS
          SUSAP KCHOK6FI03   I      010WULDUK6EA0E  I    IF ICHOK6      20770151        PI  J 033000330018000        0 NS
          SUSAP KCHOK6FI03   I      020FIXADK6EA0E  F    CF ICHOK6      2077009102800060PI  H 0330003300     -300GVE  K6D 0 NS
          SUSAP KCHOK6FI03   I      030RW03 K6PG0GY M    CF ICHOK6      2065000902800082PI    00693      -300          0 NS
          SUSAP KCHOK6FI03   I      040         0  M     CA                    0277        + 02000                  0 NS
          SUSAP KCHOK6FI03   I      050GVE  K6D 0VY  R   DF                              + 04000                  0 NS
          SUSAP KCHOK6FI03   I      060GVE  K6D 0VE  R   HM                    0330T010  + 04000                  0 NS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCHOK6GRW03     0060030301 N38075158W078272447-0300     +016220063900005415OIICHO1

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCHOK6IICHO1   011170RW03 N38084318W0782702620277N38080266W0782722350507 11000600300W00805400632
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 639 THRE: 639	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CHARLOTTESVILLE, VA	AIRPORT NAME: **CHARLOTTESVILLE-ALBEMARLE**	**I-CHO**	**ILS OR LOC RWY 3, ORIG** 5 MAY 2011	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.

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                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCHOK6SGVE  K6D               0   045225049252250450 2025                                                    M
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 639 THRE: 639	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CHARLOTTESVILLE, VA	AIRPORT NAME: **CHARLOTTESVILLE-ALBEMARLE**	**I-CHO**	**ILS OR LOC RWY 3, ORIG** 5 MAY 2011	AMDT: **NONE**
				DATED:

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GVE	GVE	010		IF		FB					
	GVE	FIXAD	020		TF		FO				AA 03400	
	GVE	FIXAD	030	IAF	HF	R	FO		027.7()	T01.0	AA 03300	
	KENNI	KENNI	010	IAF	IF		FB					
	KENNI	ZISMI	020		TF		FB				AA 03300	
	KENNI	WULDU	030		CF		FB		027.7()	002.4	AA 03300	
		WULDU	010	FACF	IF		FB				AA 03300 GI 03300	
		FIXAD	020	FAF	CF		FB		028.0()	006.0	GI 03300 GS 03300	
		RW03	030	MAP	CF		FO		028.0()	008.2	AT 00693	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		027.7()		AA 02000	
	GVE	050		DF	R	FO				AA 04000	
	GVE	060		HM	R	FO		033.0()	T01.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GVE	N380048.96	W0780910.89	N3800.816	W07809.182
	ICHO (DME)	N380845.48	W0782705.15	N3808.758	W07827.086
	FIXAD	N380008.85	W0783054.86	N3800.148	W07830.914
	KENNI	N375147.49	W0783538.74	N3751.792	W07835.646
	WULDU	N375428.87	W0783327.77	N3754.481	W07833.463
	ZISMI	N375214.03	W0783428.30	N3752.234	W07834.472
	RW03	N380751.58	W0782724.47	N3807.860	W07827.408
	ICHO (LOC)	N380843.18	W0782702.62	N3808.720	W07827.044

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03	00639	54

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 639 THRE: 639	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CHARLOTTESVILLE, VA	AIRPORT NAME: CHARLOTTESVILLE-ALBEMARLE	I-CHO	ILS OR LOC RWY 3, ORIG 5 MAY 2011	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

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 05 MAY 2011

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
BURLINGTON, VT	**ELEVATION: 335 TDZE: 335** AIRPORT NAME: **BURLINGTON INTL**	**RNAV**	**RNAV (GPS) RWY 33, ORIG, 03/20/2003**	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
POROE (IAF)	SILDE (NOPT) (FB)	040.96 / 6.00	6000
SILDE (IF/IAF)	FOGMO (FB)	311.00 / 8.16	4600
FOGMO	ZABOX (FB)	310.88 / 2.70	3900

MISSED APPROACH

LNAV: HABOK

CLIMB TO 3000 DIRECT MANIF AND VIA TRACK 328.69 TO STAEV AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 145.67 INBOUND.
CHART FAS OBST: 452 TREE 442736N/0730825W
CHART 1197 TREE 442505N/0730313W.
CHART 941 TREE 442552N/0730556W.
CHART R-6501 A & B.
NASEE TO RW33: 3.47/55.
FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE SILDE, RT, 311.00 INBOUND, 6000 FT. IN LIEU OF PT (IAF)
3. FAC: 310.98 FAF: ZABOX DIST FAF TO MAP: 9.30 THLD: 9.78
4. MIN. ALT: SILDE 6000, FOGMO 4600, ZABOX 3900, WENKI/4.30 NM TO HABOK 2120, IRAGE/2.10 NM TO HABOK (SEE 8260-10)
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: ____

MAG VAR: 15W 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	720	4000	385	720	4000	385	720	4000	385	720	6000	385	720	6000	385
CIRCLING	840	1	505	860	1	525	860	1 1/2	525	1000	2	665	1280	3	945

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 01 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.

@ CAT E 1000-3

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 335 TDZE: 335	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BURLINGTON, VT	AIRPORT NAME: BURLINGTON INTL	RNAV	RNAV (GPS) Y RWY 33, ORIG 05 MAY 2011	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.

LINE 4 CONT.
1320, NASEE/1.02 NM TO HABOK 940

TAA

	FROM	TO	ALT
1.	221/30 CW 041/30 (NOPT)	SILDE (IF/IAF) (FB)	6000
2.	041/30 CW 131/30	POROE (IAF) (FB)	6500
3.	131/30 CW 221/30	131/5 CW 221/5	6800
	131/5 CW 221/5	SILDE (IF/IAF) (FO)	6000

QUALITY CHECKED

CITY AND STATE	ELEVATION: 335 TDZE: 335	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BURLINGTON, VT	AIRPORT NAME: BURLINGTON INTL	RNAV	RNAV (GPS) Y RWY 33, ORIG 05 MAY 2011	AMDT: NONE
				DATED:

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FOGMO K60    W     N44222612W072530057                              NAR           FOGMO
        SUSAEAENRT   HABOK K60    W     N44274059W073080427                              NAR           HABOK
        SUSAEAENRT   IRAGE K60    W     N44264551W073052560                              NAR           IRAGE
        SUSAEAENRT   MANIF K60    W     N44283809W073105020                              NAR           MANIF
        SUSAEAENRT   NASEE K60    W     N44271391W073064737                              NAR           NASEE
        SUSAEAENRT   POROE K60    C   L N44132802W072462654                              NAR           POROE
        SUSAEAENRT   SILDE K60    W     N44185191W072424689                              NAR           SILDE
        SUSAEAENRT   STAEV K60    C     N44362503W073221521                              NAR           STAEV
        SUSAEAENRT   WENKI K60    W     N44254801W073024022                              NAR           WENKI
        SUSAEAENRT   ZABOX K60    W     N44233678W072562385                              NAR           ZABOX

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBTVK6ABTV     0     083YHN44281870W073091180W015000335        1800018000C    MNAR    BURLINGTON INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBTVK6FR33-Y APOROE 010POROEK6EA0E  A    IF                                                  18000                B JS
        SUSAP KBTVK6FR33-Y APOROE 020SILDEK6EA0EE B 010TF                          04100060    + 06000                          B JS
        SUSAP KBTVK6FR33-Y ASILDE 010SILDEK6EA0EE AR   HF                          31100050    + 06000     18000                B JS
        SUSAP KBTVK6FR33-Y R      010SILDEK6EA0E  I    IF                                     + 06000     18000                B JS
        SUSAP KBTVK6FR33-Y R      011FOGMOK6EA0E S  051TF                          31100082    + 04600                          B JS
        SUSAP KBTVK6FR33-Y R      020ZABOXK6EA1E  F 051TF                          31090027    + 03900                          B JS
        SUSAP KBTVK6FR33-Y R      020ZABOXK6EA2WN          N          ALNAV                                                    JS
        SUSAP KBTVK6FR33-Y R      021WENKIK6EA0E S  031TF                          31100050    V 0212002126        -347         B JS
        SUSAP KBTVK6FR33-Y R      022IRAGEK6EA0E S  031TF                          31100022    V 0132001334        -347         B JS
        SUSAP KBTVK6FR33-Y R      023NASEEK6EA0E S  031TF                          31100011    V 0094000944        -347         B JS
        SUSAP KBTVK6FR33-Y R      030HABOKK6EA0EY M 031TF                          31100010      00570             -347         B JS
        SUSAP KBTVK6FR33-Y R      040MANIFK6EA0E M  010DF                                                                       B JS
        SUSAP KBTVK6FR33-Y R      050STAEVK6EA0EY   010TF                          3287        + 03000                          B JS
        SUSAP KBTVK6FR33-Y R      060STAEVK6EA0EE  R020HM                          14570040    + 03000                          B JS
```

CITY AND STATE	ELEVATION: 335 TDZE: 335	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BURLINGTON, VT	AIRPORT NAME: **BURLINGTON INTL**	**RNAV**	**RNAV (GPS) Y RWY 33, ORIG** 05 MAY 2011	AMDT: **NONE**
				DATED:

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KBTVK6GRW33     0083203258 N44275996W073083557-0400     +00731003340500551501
```

CITY AND STATE	ELEVATION: 335 TDZE: 335	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BURLINGTON, VT	AIRPORT NAME: BURLINGTON INTL	RNAV	RNAV (GPS) Y RWY 33, ORIG 05 MAY 2011	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
DONGY (IAF)	JANUD (NOPT) (FB)	056.02 / 6.00	6000
ALOKY (IAF)	JANUD (NOPT) (FB)	236.14 / 6.00	6000
JANUD (IF/IAF)	NIDUQ (FB)	326.08 / 4.95	5400
NIDUQ	HONIB (FB)	325.99 / 2.20	4800
HONIB	EHIKO (FB)	326.00 / 3.19	3800

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

CLIMB TO 3000 DIRECT STAEV AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 145.67 INBOUND.
CHART FAS OBST: 974 TREE 442533N/0730521W
CHART FAS OBST: 1559 TREE 442227N/0725840W
CHART 1779 TREE 442111N/0725834W.
CHART R-6501 A & B.
DISTANCE TO THLD FROM 200 HAT: 0.43 NM.
CHART VDP AT 4.75 MILES TO RW33* *LNAV ONLY.
WAAS CHANNEL # 65812
REFERENCE PATH ID: W33A

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE JANUD, RT, 326.08 INBOUND, 6000 FT. IN LIEU OF PT (IAF)
3. FAC: 325.95 FAF: EHIKO DIST FAF TO MAP: 9.78 THLD: 9.78
4. MIN. ALT: JANUD 6000, NIDUQ 5400, HONIB 4800, EHIKO 3800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3800 GS ALT AT: EHIKO 3800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.20 TCH: 55.2 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 15W EPOCH YEAR: 2005

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	535	4000	200	535	4000	200	585	5000	250	585	5000	250	585	5000	250
LNAV/VNAV DA	1782	5	1447	1782	5	1447	1782	5	1447	1782	5	1447	1782	5	1447
LNAV MDA	2000	6000	1665	2000	1 1/2	1665	2000	3	1665	2000	3	1665	2000	3	1665
CIRCLING	2000	1 1/4	1665	2000	1 1/2	1665	2000	3	1665	2000	3	1665	2000	3	1665

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 01 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 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

@ CAT A, B 1700-2, CAT C, D, E 1700-3

QUALITY CHECKED

CITY AND STATE	ELEVATION: 335 TDZE: 335	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BURLINGTON, VT	AIRPORT NAME: BURLINGTON INTL	RNAV	RNAV (GPS) Z RWY 33, ORIG 05 MAY 2011	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.

TAA

	FROM	TO	ALT
1.	236/30 CW 056/30 (NOPT)	JANUD (IF/IAF) (FB)	6000
2.	056/30 CW 146/30	DONGY (IAF) (FB)	6400
3.	146/30 CW 236/30	146/5 CW 236/5	6700
	146/5 CW 236/5	ALOKY (IAF) (FB)	6000

QUALITY CHECKED

CITY AND STATE	ELEVATION: 335 TDZE: 335	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BURLINGTON, VT	AIRPORT NAME: BURLINGTON INTL	RNAV	RNAV (GPS) Z RWY 33, ORIG	AMDT: NONE
			05 MAY 2011	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   ALOKY K60    W     N44191993W072415527                          NAR          ALOKY
          SUSAEAENRT   DONGY K60    W     N44101720W072525347                          NAR          DONGY
          SUSAEAENRT   EHIKO K60    C     N44213581W072581664                          NAR          EHIKO
          SUSAEAENRT   HONIB K60    C     N44193023W072545520                          NAR          HONIB
          SUSAEAENRT   JANUD K60    C     N44144870W072472479                          NAR          JANUD
          SUSAEAENRT   NIDUQ K60    C     N44180358W072523624                          NAR          NIDUQ
          SUSAEAENRT   STAEV K60    C     N44362503W073221521                          NAR          STAEV

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KBTVK6ABTV     0     083YHN44281870W073091180W015000335         1800018000C     MNAR     BURLINGTON INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KBTVK6FR33-Z AALOKY 010ALOKYK6EA0E  A    IF                                                18000                A JS
          SUSAP KBTVK6FR33-Z AALOKY 020JANUDK6EA0EE B 010TF                          23610060    + 06000                          A JS
          SUSAP KBTVK6FR33-Z ADONGY 010DONGYK6EA0E  A    IF                                                18000                A JS
          SUSAP KBTVK6FR33-Z ADONGY 020JANUDK6EA0EE B 010TF                          05600060    + 06000                          A JS
          SUSAP KBTVK6FR33-Z AJANUD 010JANUDK6EA0EE AR   HF                          32610050    + 06000     18000                A JS
          SUSAP KBTVK6FR33-Z R      010JANUDK6EA0E  I    IF                                     + 06000     18000                A JS
          SUSAP KBTVK6FR33-Z R      011NIDUQK6EA0E S  051TF                          32610050    + 05400                          A JS
          SUSAP KBTVK6FR33-Z R      012HONIBK6EA0E S  051TF                          32600022    + 04800                          A JS
          SUSAP KBTVK6FR33-Z R      020EHIKOK6EA1E  F 051TF                          32600032    + 03800                          A JS
          SUSAP KBTVK6FR33-Z R      020EHIKOK6EA2WALPV       ALNAV/VNAV ALNAV                                                     JS
          SUSAP KBTVK6FR33-Z R      030RW33 K6PG0GY M 031TF                          32600098      00390              -320        A JS
          SUSAP KBTVK6FR33-Z R      040         0  M  010CA                          3260        + 00535                          A JS
          SUSAP KBTVK6FR33-Z R      050STAEVK6EA0EY   010DF                                      + 03000                          A JS
          SUSAP KBTVK6FR33-Z R      060STAEVK6EA0EE  R020HM                          14570040    + 03000                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KBTVK6GRW33    0083203258 N44275996W073083557-0400    +00731003340500551501
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 335 TDZE: 335	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BURLINGTON, VT	AIRPORT NAME: **BURLINGTON INTL**	**RNAV**	**RNAV (GPS) Z RWY 33, ORIG** 05 MAY 2011	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 KBTVK6PR33-Z RW33 001Z0000W33A0N4427599600W07308355700+007310320N4428504400W07309571800106500000000552F40035036EC8C20
          SUSAP KBTVK6PR33-Z RW33 002E      +01019+01019LPV       65812
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 335 TDZE: 335	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BURLINGTON, VT	AIRPORT NAME: BURLINGTON INTL	RNAV	RNAV (GPS) Z RWY 33, ORIG 05 MAY 2011	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

ALTERNATE: NA

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 05 MAY 2011

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 1088 TDZE: 1080	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
AMERY, WI	AIRPORT NAME: **AMERY MUNI**	**AHH**	**NDB RWY 18, AMDT 6A, 07/03/2008**	AMDT **6**
				DATE **03/17/2005**

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet 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
MSN VORTAC	SIDCO (FO)	316.79 / 11.11	3200
WREST (IAF)	SIDCO (NOPT) (FB)	200.88 / 15.22	3200
NEGUS (IAF)	SIDCO (NOPT) (FB)	079.70 / 14.12	3200
SIDCO (IF/IAF)	UFDIM (FB)	136.32 / 6.02	2500
UFDIM (FAF)	HIREX/1.90 NM TO RW14 (FB)	136.39 / 3.08	
HIREX/1.90 NM TO RW14	RW14 (MAP) (FO)	136.42 / 1.90	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW14

CLIMB TO 3000 DIRECT CINOT AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW SIDCO, RT, 136.32 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
3. FAC: 136.39 FAF: UFDIM DIST FAF TO MAP: 4.98 THLD: 4.98
4. MIN. ALT: SIDCO 3200, UFDIM 2500, HIREX/1.90 NM TO RW14 1500*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: UFDIM 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR
8. MSA FROM: RW14 3600

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 316.58 INBOUND.
CHART FAS OBST: 955 TREE 430930N/0892122W
CHART FAS OBST: 1029 TREE 431011N/0892148W
OBST: 1260 AAO 431253N/0892457W
DISTANCE TO THLD FROM 200 HATH: 0.45 NM.
CHART VDP AT 1.18 MILES TO RW14*
*LNAV ONLY.
WAAS CHANNEL # 86821
REFERENCE PATH ID: W14A
LTP HAE: 227.4 M
CHART: ASR

MAG VAR: 0E EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1059	3/4	200	1059	3/4	200	1059	3/4	200	1059	3/4	200			
LNAV/VNAV DA	1227	1 1/4	368	1227	1 1/4	368	1227	1 1/4	368	1227	1 1/4	368			
LNAV MDA	1280	1	421	1280	1	421	1280	1 1/4	421	1280	1 1/4	421			
CIRCLING	1420	1	533	1460	1	573	1460	1 1/2	573	1460	2	573			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 38C (100F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WREST ON V170 EASTBOUND.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 859	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 14, AMDT 2 05 MAY 2011	AMDT: 1 DATED 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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW14 (MAP)	1059 MSL	136.42	
1059 MSL	CINOT (FO)		3000

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MSN VORTAC AIRWAY RADIALS 231 CW 031.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 859	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 14, AMDT 2 05 MAY 2011	AMDT: 1 DATED: 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.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSN
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	430849.0670N
LTP/FTP LONGITUDE	0892025.1875W
LTP/FTP ELLIPSOIDAL HEIGHT	+02274
FPAP LATITUDE	430744.4800N
FPAP LONGITUDE	0891901.3400W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1112
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D9563F79

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02619
FPAP ORTHOMETRIC HEIGHT	+02619

QUALITY CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 859	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 14, AMDT 2 05 MAY 2011	AMDT: 1
				DATED: 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.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MSN    K5010860VTLW N43084142W089202291    N43084142W089202291E0030008571     NARMADISON

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CINOT K50    W     N42584114W089071855                      W0024     NAR           CINOT
        SUSAEAENRT   HIREX K50    W     N43101168W089221254                      W0022     NAR           HIREX
        SUSAEAENRT   NEGUS K50    C   L N43141701W089494910                      W0019     NAR           NEGUS
        SUSAEAENRT   SIDCO K50    W     N43164697W089304782                      W0021     NAR           SIDCO
        SUSAEAENRT   UFDIM K50    W     N43122553W089250671                      W0022     NAR           UFDIM
        SUSAEAENRT   WREST K50    C   L N43310070W089232210                      W0023     NAR           WREST

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5AMSN     0     090YHN43082360W089201500E000000887         1800018000C    MNAR     DANE COUNTY RGNL-TRUAX FIELD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5FR14   AMSN    010MSN  K5D 0V       IF                                                18000                A JS
        SUSAP KMSNK5FR14   AMSN    020SIDCOK5EA0EY   020TF                    31680111    + 03200                                A JS
        SUSAP KMSNK5FR14   AMSN    030SIDCOK5EA0EE AR   HF                    13630040    + 03200                                A JS
        SUSAP KMSNK5FR14   ANEGUS  010NEGUSK5EA0E  A    IF                                                18000                A JS
        SUSAP KMSNK5FR14   ANEGUS  020SIDCOK5EA0EE B 010TF                    07970141    + 03200                                A JS
        SUSAP KMSNK5FR14   AWREST  010WRESTK5EA0E  A    IF                                                18000                A JS
        SUSAP KMSNK5FR14   AWREST  020SIDCOK5EA0EE B 010TF                    20090152    + 03200                                A JS
        SUSAP KMSNK5FR14   R       010SIDCOK5EA0E  I    IF                                + 03200     18000                      A JS
        SUSAP KMSNK5FR14   R       020UFDIMK5EA1E  F 051TF                    13630060    + 02500                RW14  K5PGA JS
        SUSAP KMSNK5FR14   R       020UFDIMK5EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
        SUSAP KMSNK5FR14   R       021HIREXK5EA0E S  031TF                    13640031    V 0150001519        -300              A JS
        SUSAP KMSNK5FR14   R       030RW14 K5PG0GY M 031TF                    13640019      00914             -300              A JS
        SUSAP KMSNK5FR14   R       040         0  M     CA                    1364        + 01059                             A JS
        SUSAP KMSNK5FR14   R       050CINOTK5EA0EY      DF                                + 03000                             A JS
        SUSAP KMSNK5FR14   R       060CINOTK5EA0EE  R   HM                    31660040    + 03000                             A JS
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CITY AND STATE	ELEVATION: 887 THRE: 859	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 14, AMDT 2 05 MAY 2011	AMDT: 1
				DATED: 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.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5GRW14     0058461364 N43084907W089202519+0000     +0227400859047755150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5PR14    RW14 001 0000W14A0N4308490670W08920251875+022740300N4307444800W089190134001067511120005 50F400350D9563F79
        SUSAP KMSNK5PR14    RW14 002E       +02619+02619LPV       86821

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5SRW14 K5PG                0   18018003625                                                                  M
```

CITY AND STATE	ELEVATION: 887 THRE: 859	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 14, AMDT 2 05 MAY 2011	AMDT: 1
				DATED: 05/12/2005

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
MSN VORTAC	CINOT (FO)	136.15 / 13.85	3000
OMONE (IAF)	CINOT (NOPT) (FB)	044.42 / 17.42	3000
WAITS (IAF)	CINOT (NOPT) (FB)	247.38 / 23.11	3000
CINOT (IF/IAF)	NUXMU (FB)	316.58 / 7.80	2600
NUXMU (FAF)	PEKDE/1.80 NM TO RW32 (FB)	316.50 / 3.48	
PEKDE/1.80 NM TO RW32	RW32 (MAP) (FO)	316.46 / 1.80	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

CLIMB TO 3200 DIRECT SIDCO AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 136.32 INBOUND.
CHART FAS OBST: 1056 TREE 430802N/0891816W
DISTANCE TO THLD FROM 360 HATH: 0.95 NM.
WAAS CHANNEL # 58021
REFERENCE PATH ID: W32A
LTP HAE: 228.1 M
CHART: ASR

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE CINOT, RT, 316.58 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 316.50 FAF: NUXMU DIST FAF TO MAP: 5.38 THLD: 5.38
4. MIN. ALT: CINOT 3000, NUXMU 2600, PEKDE/1.80 NM TO RW32 1480*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2600 GS ALT AT: NUXMU 2600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.9 34:1 IS NOT CLEAR
8. MSA FROM: RW32 3600

MAG VAR: 0E EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1222	1 1/8	360	1222	1 1/8	360	1222	1 1/8	360	1222	1 1/8	360			
LNAV/VNAV DA	1237	1 1/4	375	1237	1 1/4	375	1237	1 1/4	375	1237	1 1/4	375			
LNAV MDA	1320	1	458	1320	1	458	1320	1 3/8	458	1320	1 3/8	458			
CIRCLING	1420	1	533	1460	1	573	1460	1 1/2	573	1460	2	573			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 38C (100F).
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN AND CIRCLING RWY 32 PROCEDURES NA AT NIGHT.
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: 887 THRE: 862	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 32, AMDT 2 05 MAY 2011	AMDT: 1 DATED 05/12/2005

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
RW32 (MAP)	1222 MSL	316.46	
1222 MSL	SIDCO (FO)		3200

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MSN VORTAC AIRWAY RADIALS 089 CW 161.
***LNAV ONLY**

ORIGINAL CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 862	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 32, AMDT 2 05 MAY 2011	AMDT: 1 DATED: 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.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSN
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	430810.6425N
LTP/FTP LONGITUDE	0891935.2855W
LTP/FTP ELLIPSOIDAL HEIGHT	+02281
FPAP LATITUDE	430915.2100N
FPAP LONGITUDE	0892059.1700W
THRESHOLD CROSSING HEIGHT (TCH)	00055.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0968
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	28512BFA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02626
FPAP ORTHOMETRIC HEIGHT	+02626

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 862	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 32, AMDT 2 05 MAY 2011	AMDT: 1
				DATED: 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 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        MSN   K5010860VTLW N43084142W089202291    N43084142W089202291E0030008571     NARMADISON

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   CINOT K50    W     N42584114W089071855                    W0024     NAR          CINOT
          SUSAEAENRT   NUXMU K50    W     N43042076W089143724                    W0023     NAR          NUXMU
          SUSAEAENRT   OMONE K50    C   L N42461552W089235529                    W0021     NAR          OMONE
          SUSAEAENRT   PEKDE K50    W     N43065235W089175368                    W0023     NAR          PEKDE
          SUSAEAENRT   SIDCO K50    W     N43164697W089304782                    W0021     NAR          SIDCO
          SUSAEAENRT   WAITS K50    C   L N43073829W088381514                    W0029     NAR          WAITS

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KMSNK5AMSN     0     090YHN43082360W089201500E000000887         1800018000C    MNAR    DANE COUNTY RGNL-TRUAX FIELD

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ----------------------------------------------------------------------------------------------------------------------------
          SUSAP KMSNK5FR32   AMSN   010MSN  K5D 0V       IF                                                18000              A JS
          SUSAP KMSNK5FR32   AMSN   020CINOTK5EA0EY   020TF                    13620139    + 03000                          A JS
          SUSAP KMSNK5FR32   AMSN   030CINOTK5EA0EE AR   HF                    31660040    + 03000                          A JS
          SUSAP KMSNK5FR32   AOMONE 010OMONEK5EA0E  A    IF                                                18000              A JS
          SUSAP KMSNK5FR32   AOMONE 020CINOTK5EA0EE B 010TF                    04440174    + 03000                          A JS
          SUSAP KMSNK5FR32   AWAITS 010WAITSK5EA0E  A    IF                                                18000              A JS
          SUSAP KMSNK5FR32   AWAITS 020CINOTK5EA0EE B 010TF                    24740231    + 03000                          A JS
          SUSAP KMSNK5FR32   R      010CINOTK5EA0E  I    IF                                + 03000         18000              A JS
          SUSAP KMSNK5FR32   R      020NUXMUK5EA1E  F 051TF                    31660078    + 02600                RW32  K5PGA JS
          SUSAP KMSNK5FR32   R      020NUXMUK5EA2WALPV       ALNAV/VNAV ALNAV                                                 JS
          SUSAP KMSNK5FR32   R      021PEKDEK5EA0E S  031TF                    31650035    V 0148001491       -300          A JS
          SUSAP KMSNK5FR32   R      030RW32 K5PG0GY M 031TF                    31650018      00917            -300          A JS
          SUSAP KMSNK5FR32   R      040         0  M     CA                    3165        + 01222                          A JS
          SUSAP KMSNK5FR32   R      050SIDCOK5EA0EY      DF                                + 03200                          A JS
          SUSAP KMSNK5FR32   R      060SIDCOK5EA0EE  R   HM                    13630040    + 03200                          A JS
```

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 862	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 32, AMDT 2 05 MAY 2011	AMDT: 1
				DATED: 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.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5GRW32     0058463164 N43081064W089193529+0000     +0228100862000056150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5PR32    RW32 001 0000W32A0N4308106425W08919352855+022810300N4309152100W089205917001067509680005S9F40050028512BFA
        SUSAP KMSNK5PR32    RW32 002E       +02626+02626LPV       58021

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5SRW32 K5PG                0   18018003625                                                                M
```

CITY AND STATE	ELEVATION: 887 THRE: 862	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 32, AMDT 2 05 MAY 2011	AMDT: 1 DATED: 05/12/2005

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
MADISON, WI	DANE COUNTY REGIONAL-TRUAX FIELD	05 MAY 2011	8

TAKEOFF MINIMUMS:

RWY 3: 200-1 ½ OR STANDARD WITH MINIMUM CLIMB OF 212 FT PER NM TO 1200.
RWY 14, 18, 21, 32, 36: STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 18: (SOUTHWEST DEPARTURES 200° CW 260°) CLIMB VIA HEADING 182 TO 3200 FT BEFORE PROCEEDING ON COURSE.
RWY 21: ((SOUTHWEST DEPARTURES 200° CW 260°) CLIMB VIA HEADING 209 TO 3200 FT BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 3, TOWER 7137 FT FROM DER, 2392 FT LEFT OF CENTERLINE, 132 FT AGL/1082 FT MSL. TREES BEGINNING 4368 FT FROM DER, 1526 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/ 1082 FT MSL.
NOTE: RWY 14, TREES AND POLES BEGINNING 936 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/ 986 FT MSL. ANTENNA ON BUILDING 3747 FT FROM DER, 1283 FT LEFT OF CENTERLINE, 57 FT AGL/976 FT MSL. VEHICLE ON ROAD 134 FT FROM DER, LEFT TO RIGHT OF CENTERLINE, UP TO 17 FT AGL/874 FT MSL.
NOTE: RWY 18, TREES BEGINNING 287 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/941 FT MSL.
NOTE: RWY 21, TREES BEGINNING 1557 FT FROM DER, 383 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/972 FT MSL. SIGN 29 FT FROM DER, 118 FT LEFT OF CENTERLINE, 6 FT AGL/862 FT MSL. GLIDESLOPE ANTENNA 1144 FT FROM DER, 140 FT LEFT OF CENTERLINE, 39 FT AGL/898 FT MSL.
NOTE: RWY 32, TREES BEGINNING 1810 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/ 948 FT MSL. RAILROAD 672 FT FROM DER, LEFT TO RIGHT OF CENTERLINE, 23 FT AGL/ 882 FT MSL.
NOTE: RWY 36, TREES AND POLE BEGINNING 1325 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/1012 FT MSL. RAPIDLY RISING TERRAIN 1467 FT FROM DER, 678 FT RIGHT OF CENTERLINE, UP TO 947 MSL. VEHICLE ON ROAD 1154 FT FROM DER, LEFT TO RIGHT OF CENTERLINE, UP TO 17 FT AGL/908 FT MSL.

CONTROLLING OBSTACLES:

RWY 3: 1082 FT MSL TOWER 431015.00N/0891925.00W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 18, 21- 2365 FT MSL TOWER 430303.00N/0892913.00W, 2249 FT MSL TOWER 430316.00N/0892842.00W, 2549 FT MSL TOWER 430320.54N/0893206.33W

ORIGINAL 6 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP: MSN VORTAC

CLIMB TO 2700 THEN LEFT TURN DIRECT MSN VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 175.00 INBOUND.
CHART FAS OBST: 1109 TREE 430944N/0891948W
1190 AAO 431200N/0892301W
CHART VDP AT 1.59 DME;
DISTANCE VDP TO THLD 1.39 MILES.
FAC CROSSES RWY C/L EXTENDED 1530 FROM THLD.
CHART: ASR

1. PT L SIDE OF COURSE 351.44 OUTBOUND 2600 FT WITHIN 10 MILES OF MSN VORTAC (IAF)
2.
3. FAC 171.44 FAF DIST FAF TO MAP THLD
4. MIN. ALT HERRS/ 3.00 DME 1620
8. MSA FROM: MSN VORTAC 360-180 3100, 180-360 3600

MAG VAR: 3E EPOCH YEAR:1965

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-18	1620	2400	760	1620	4000	760	1620	1 3/4	760	1620	1 3/4	760			
CIRCLING	1620	1	733	1620	1 1/4	733	1620	2	733	1620	2 1/4	733			
HERRS FIX MINIMUMS															
S-18	1360	2400	500	1360	2400	500	1360	5000	500	1360	5000	500			
CIRCLING	1420	1	533	1460	1	573	1460	1 1/2	573	1460	2	573			

NOTES:

CHART PROFILE NOTE: PROCEDURE TURN: DESCEND TO 7000 IN MSN VORTAC HOLDING PATTERN PRIOR TO DEPARTING OUTBOUND FOR PROCEDURE TURN.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-18 HERRS FIX MINIMUMS CAT C AND D VISIBILITY TO 1 3/8 MILE.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 32 NA AT NIGHT.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 860 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MADISON, WI	DANE COUNTY RGNL-TRUAX FIELD	MSN	VOR RWY 18, AMDT 1 05 MAY 2011	AMDT ORIG DATE 05/10/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

MAP: MSN VORTAC

CLIMB TO 2600 THEN RIGHT TURN DIRECT MSN VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 311.00 INBOUND.
FAS OBST: 1250 AAO 430722N/0891508W
FAC CROSSES RWY C/L EXTENDED 2215 FROM THLD.
CHART: ASR

1. PT L SIDE OF COURSE 130.00 OUTBOUND 2600 FT WITHIN 10 MILES OF MSN VORTAC (IAF)
2.
3. FAC 310.00 FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: MSN VORTAC 360-180 3100, 180-360 3600

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-32	1560	1	698	1560	1	698	1560	2	698	1560	2	698			
CIRCLING	1560	1	673	1560	1	673	1560	2	673	1560	2 1/4	673			

NOTES:

CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN AND CIRCLING RWY 32 PROCEDURES NA AT NIGHT. @ CAT D 800-2 1/4
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: PROCEDURE TURN: DESCEND TO 7000 IN MSN VORTAC HOLDING PATTERN PRIOR TO DEPARTING OUTBOUND FOR PROCEDURE TURN.

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 862	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	MSN	VOR RWY 32, AMDT 1 05 MAY 2011	AMDT ORIG
				DATE 08/07/2003

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

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

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MSN VORTAC	DONAY INT/MSN 16.95 DME/RADAR	255.56 / 16.95	3600

MISSED APPROACH

MAP: 7.94 MILES AFTER DONAY INT/MSN 16.95 DME/RADAR OR AT 9.01 DME FIX

CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 3600 ON HEADING 010 AND ON MSN VORTAC R-282 TO IMMES INT/MSN 9.15 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3600.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 101.72 INBOUND.
FAS OBST: 1419 AAO 430446N/0893845W
NENIC TO RW10: 3.02/31.

1. PT R SIDE OF COURSE 255.56 OUTBOUND 3500 FT WITHIN 10 MILES OF DONAY (IAF)
2.
3. FAC 075.56 FAF DONAY INT/MSN 16.95 DME/RADAR DIST FAF TO MAP 7.94 THLD 7.94
4. MIN. ALT DONAY 3500, NENIC INT/MSN 13.81 DME/RADAR 2500
8. MSA FROM: MSN VORTAC 360-180 3100, 180-360 3600

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-10	1680	1	752	1680	1 1/4	752	1680	2	752		NA				
CIRCLING	1680	1	752	1680	1 1/4	752	1680	2 1/4	752		NA				

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DANE COUNTY RGNL-TRUAX FIELD ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, INCREASE S-10 CAT C VISIBILITY 1/2 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.

@ CAT C 800-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 928 THRE: 928	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MIDDLETON, WI	AIRPORT NAME: MIDDLETON MUNI - MOREY FIELD	MSN	VOR RWY 10, AMDT 1 05 MAY 2011	AMDT ORIG DATE 12/22/2005

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
STE VORTAC	DANCI LOM	320.72 / 17.10	3000
MAXMA INT (IAF)	TUCYU INT/I-CWA 14.23 DME (NOPT)	122.54 / 15.98 (STE R-303)	3000
TUCYU INT/I-CWA 14.23 DME (IF)	DANCI LOM/I-CWA 6.49 DME	077.37 / 7.75 (I-CWA)	3000

MISSED APPROACH

ILS: DA
LOC: 5.00 MILES AFTER DANCI LOM OR AT I-CWA 1.49 DME FIX

CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DANCI LOM AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 3400 THEN CLIMBING RIGHT TURN TO 4000 DIRECT STE VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 077.37 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE, RT, 336.49 INBOUND.
CHART FAS OBST: 1389 TREE 444633N/0894107W
CHART VDP AT 2.42 DME*;
DISTANCE VDP TO THLD 0.93 MILES.
*LOC ONLY.
CHART IN PLANVIEW: STE VORTAC.

1. PT L SIDE OF COURSE 257.37 OUTBOUND 3000 FT WITHIN 10 MILES OF DANCI LOM (IAF)
2.
3. FAC: 077.37 FAF: DANCI LOM DIST FAF TO MAP: 5.00 THLD: 5.00
4. MIN. ALT: DANCI LOM 3000, WOKOS/I-CWA 3.49 DME 1960*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1064
6. MIN GS INCPT: 3000 GS ALT AT: OM: 2943 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 56.3
8. MSA FROM: CW LOM 3600

MAG VAR: 0E 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 8	1473	1/2	200	1473	1/2	200	1473	1/2	200	1473	1/2	200			
S-LOC 8	1640	1/2	367	1640	1/2	367	1640	5/8	367	1640	5/8	367			
CIRCLING	1740	1	463	1740	1	463	1740	1 1/2	463	1840	2	563			

NOTES:
CHART NOTE: ADF REQUIRED.
CHART NOTE: VDP NA WITH WAUSAU ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAUSAU ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET, AND INCREASE S-LOC CATS C AND D VISIBILITY 1/8 MILE.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 1277 THRE: 1273	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	I-CWA	ILS OR LOC RWY 8, AMDT 13 05 MAY 2011	AMDT: 12 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.):
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC CATS C AND D VISIBILITY TO 1 MILE.

CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 26 NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAXMA ON V26 WESTBOUND.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
MOSINEE, WI	**ELEVATION: 1277 THRE: 1273** AIRPORT NAME: **CENTRAL WISCONSIN**	**I-CWA**	**ILS OR LOC RWY 8, AMDT 13** 05 MAY 2011	SUP: AMDT: **12** DATED: **09/28/2006**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC PACKET - 424-18 - ILS

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        STE   K5011060VTLA N44323569W089315002    N44323569W089315002W0010011101     NARSTEVENS POINT
        SUSAD KCWAK5 ICWA  K5011030 IT                    ICWAN44470970W089383042     012590     NARCENTRAL WISCONSIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DANCI K50    R     N44454183W089472253                    W0022     NAR          DANCI LOM
        SUSAEAENRT   MAXMA K50    R   L N44521460W090171149                    W0018     NAR          MAXMA
        SUSAEAENRT   TUCYU K50    R     N44435905W089575880                    W0021     NAR          TUCYU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5ACWA     0     076YHN44463950W089400040E000001277         1800018000C    MNAR     CENTRAL WISCONSIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5FI08   AMAXMA 010MAXMAK5EA0E  A    IF                                                18000              0 NS
        SUSAP KCWAK5FI08   AMAXMA 020TUCYUK5EA0EE B    CF ICWAK5      2574014212250160PI  + 03000                          0 NS
        SUSAP KCWAK5FI08   ASTE   010STE  K5D 0V       IF                                                18000              0 NS
        SUSAP KCWAK5FI08   ASTE   020DANCIK5EA0E       TF                                  + 03000                          0 NS
        SUSAP KCWAK5FI08   ASTE   030CW   K5PN0NE AR   PI STE K5      3207017121240100D   + 03000                          0 NS
        SUSAP KCWAK5FI08   I      010TUCYUK5EA0E  I    IF ICWAK5      25740142         PI  J 030000300018000                0 NS
        SUSAP KCWAK5FI08   I      020DANCIK5EA0E  F    CF ICWAK5      2574006507700078PI  H 0300002943       -300CW    K5PN0 NS
        SUSAP KCWAK5FI08   I      030RW08 K5PG0GY M    CF ICWAK5      2574001507700050PI    01329            -300          0 NS
        SUSAP KCWAK5FI08   I      040          0  M     CA                          0774   + 02000                          0 NS
        SUSAP KCWAK5FI08   I      050CW   K5PN0NY  R   DF                                 + 03000                          0 NS
        SUSAP KCWAK5FI08   I      060CW   K5PN0NE  R   HM                          0774T010  + 03000                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5GRW08     0076480774 N44464758W089403194-0200     +035290127300005615OIICWA1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5IICWA1   011030RW08 N44470703W089382994077 4N44464603W08940163313701 0640445300E00005601268

                 1         2         3         4         5         6         7         8         9         0         1         2
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 1277 THRE: 1273	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: **CENTRAL WISCONSIN**	**I-CWA**	**ILS OR LOC RWY 8, AMDT 13** 05 MAY 2011	AMDT: **12**
				DATED: **09/28/2006**

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MSA     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5SCW   K5PN              0   18018003625                                                                          M

                  1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------------------
        SUSAPNKCWAK5 CW    K5002750HOLW N44453734W089472111                      E0000          NARDANCI
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CITY AND STATE	ELEVATION: 1277 THRE: 1273	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	I-CWA	ILS OR LOC RWY 8, AMDT 13 05 MAY 2011	AMDT: 12 DATED: 09/28/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MAXMA	MAXMA	010	IAF	IF		FB					
	MAXMA	TUCYU	020		CF		FB		122.5()	016.0	AA 03000	
	STE	STE	010		IF		FB					
	STE	DANCI	020		TF		FB				AA 03000	
	STE	CW	030	IAF	PI	R	FB		212.4()	010.0	AA 03000	
		TUCYU	010	FACF	IF		FB				AA 03000 GI 03000	
		DANCI	020	FAF	CF		FB		077.0()	007.8	GI 03000 GS 02943	
		RW08	030	MAP	CF		FO		077.0()	005.0	AT 01329	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		077.4()		AA 02000	
	CW	050		DF	R	FO				AA 03000	
	CW	060		HM	R	FO		077.4()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	STE	N443235.69	W0893150.02	N4432.595	W08931.834
	ICWA (DME)	N444709.70	W0893830.42	N4447.162	W08938.507
	DANCI	N444541.83	W0894722.53	N4445.697	W08947.376
	MAXMA	N445214.60	W0901711.49	N4452.243	W09017.192
	TUCYU	N444359.05	W0895758.80	N4443.984	W08957.980
	RW08	N444647.58	W0894031.94	N4446.793	W08940.532
	ICWA (LOC)	N444707.03	W0893829.94	N4447.117	W08938.499
	CW	N444537.34	W0894721.11	N4445.622	W08947.352

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	01273	56

CITY AND STATE	ELEVATION: 1277 THRE: 1273	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: **CENTRAL WISCONSIN**	**I-CWA**	**ILS OR LOC RWY 8, AMDT 13**	AMDT: **12**
			05 MAY 2011	DATED: **09/28/2006**

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
STE VORTAC (IAF)	RELCO INT/I-PHS 12.58 DME	297.74 / 4.56	3000
RELCO INT/I-PHS 12.58 DME (IF)	BAYYE LOM/I-PHS 6.55 DME	350.04 / 6.02 (I-PHS)	3000

MISSED APPROACH

ILS: DA
LOC: 5.31 MILES AFTER BAYYE LOM/I-PHS 6.55 DME OR AT I-PHS 1.24 DME FIX

CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT BAYYE LOM AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 3200 THEN CLIMBING RIGHT TURN TO 4000 DIRECT STE VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 350.04 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE, RT, 336.49 INBOUND.
CHART FAS OBST: 1329 TREE 444540N/0894028W
CHART VDP AT 2.20 DME*;
DISTANCE VDP TO THLD 0.96 MILES.
*LOC ONLY.

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT RELCO
3. FAC: 350.04 FAF: BAYYE LOM/I-PHS 6.55 DME DIST FAF TO MAP: 5.31 THLD: 5.31
4. MIN. ALT: RELCO 3000, BAYYE LOM 3000, HUREB INT/I-PHS 3.24 DME 1900*
5. DIST TO THLD FROM OM: 5.31 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 826
6. MIN GS INCPT: 3000 GS ALT AT: ____ OM: 2992 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 50.0
8. MSA FROM: PH LOM 3600

MAG VAR: 0E 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 35	1425	1/2	200	1425	1/2	200	1425	1/2	200	1425	1/2	200			
S-LOC 35	1900	1/2	675	1900	1/2	675	1900	1 1/2	675	1900	1 1/2	675			
CIRCLING	1900	1	623	1900	1	623	1900	1 7/8	623	1900	2	623			
HUREB FIX MINIMUMS															
S-LOC 35	1580	1/2	355	1580	1/2	355	1580	5/8	355	1580	5/8	355			
CIRCLING	1740	1	463	1740	1	463	1740	1 1/2	463	1840	2	563			

NOTES:
CHART NOTE: ADF OR DME REQUIRED.
CHART NOTE: VDP NA WITH WAUSAU ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAUSAU ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET, AND INCREASE S-LOC 35 CATS C AND D AND CIRCLING CAT C (SEE FORM 8260-10)

CAT A, B, C, D 700-2
@ NA WHEN CONTROL TOWER CLOSED.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 1277 THRE: 1225 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	CENTRAL WISCONSIN	I-PHS	ILS OR LOC RWY 35, AMDT 2 05 MAY 2011	AMDT: 1 DATED 02/19/2004

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

NOTES, (CONT.):
VISIBILITY 1/8 MILE.

CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 26 NA AT NIGHT.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 35 CATS C AND D VISIBILITY TO 1 7/8 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON STE VORTAC AIRWAY RADIALS 256 CW 354.

CITY AND STATE	ELEVATION: 1277 THRE: 1225 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	**CENTRAL WISCONSIN**	**I-PHS**	**ILS OR LOC RWY 35, AMDT 2** 05 MAY 2011	AMDT: **1** DATED: **02/19/2004**

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

ARINC PACKET - 424-18 - ILS

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        STE   K5011060VTLA N44323569W089315002    N44323569W089315002W0010011101     NARSTEVENS POINT
        SUSAD KCWAK5 IPHS  K5011090 IT                    IPHSN44470150W089403786     013000     NARCENTRAL WISCONSIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BAYYE K50    R     N44403470W089385912                    W0024     NAR          BAYYE LOM
        SUSAEAENRT   RELCO K50    R     N44343864W089373184                    W0024     NAR          RELCO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5ACWA     0     076YHN44463950W089400040E000001277         1800018000C    MNAR    CENTRAL WISCONSIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5FI35   ASTE   010STE  K5D 0V  A    IF                                                  18000                0 NS
        SUSAP KCWAK5FI35   ASTE   020RELCOK5EA0EE B    CF STE K5      2977004629770046D   + 03000                              0 NS
        SUSAP KCWAK5FI35   I      010RELCOK5EA0E  I    IF IPHSK5      17000126         PI  J 030000300018000                0 NS
        SUSAP KCWAK5FI35   I      020BAYYEK5EA0E  F    CF IPHSK5      1700006535000060PI  H 0300002992         -300PH    K5PN0 NS
        SUSAP KCWAK5FI35   I      030RW35 K5PG0GY M    CF IPHSK5      1700001235000053PI    01275              -300          0 NS
        SUSAP KCWAK5FI35   I      040         0  M     CA                      3500        + 02000                          0 NS
        SUSAP KCWAK5FI35   I      050PH   K5PN0NY  R   DF                                  + 03000                          0 NS
        SUSAP KCWAK5FI35   I      060PH   K5PN0NE  R   HM                      3500T010    + 03000                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5GRW35    0065013500 N44454857W089401637+0800    +033830122500005015OIIPHS1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5IIPHS1   011090RW35 N44470154W089403436350ON44455593W0894023811003 08260534300E00005001225

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5SPH   K5PN              0   18018003625                                                                      M
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 1277 THRE: 1225	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: **CENTRAL WISCONSIN**	**I-PHS**	**ILS OR LOC RWY 35, AMDT 2** 05 MAY 2011	AMDT: **1** DATED: **02/19/2004**

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```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAPNKCWAK5 PH     K5003510HOLW N44403552W089385258                    E0000           NARBAYYE
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1277 THRE: 1225	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	I-PHS	ILS OR LOC RWY 35, AMDT 2 05 MAY 2011	AMDT: 1 DATED: 02/19/2004

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	STE	STE	010	IAF	IF		FB					
	STE	RELCO	020		CF		FB		297.7()	004.6	AA 03000	
		RELCO	010	FACF	IF		FB				AA 03000 GI 03000	
		BAYYE	020	FAF	CF		FB		350.0()	006.0	GI 03000 GS 02992	
		RW35	030	MAP	CF		FO		350.0()	005.3	AT 01275	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		350.0()		AA 02000	
	PH	050		DF	R	FO				AA 03000	
	PH	060		HM	R	FO		350.0()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	STE	N443235.69	W0893150.02	N4432.595	W08931.834
	IPHS (DME)	N444701.50	W0894037.86	N4447.025	W08940.631
	BAYYE	N444034.70	W0893859.12	N4440.578	W08938.985
	RELCO	N443438.64	W0893731.84	N4434.644	W08937.531
	RW35	N444548.57	W0894016.37	N4445.810	W08940.273
	IPHS (LOC)	N444701.54	W0894034.36	N4447.026	W08940.573
	PH	N444035.52	W0893852.58	N4440.592	W08938.876

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	01225	50

QUALITY CHECKED

CITY AND STATE	ELEVATION: **1277** THRE: **1225**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: **CENTRAL WISCONSIN**	**I-PHS**	**ILS OR LOC RWY 35, AMDT 2** 05 MAY 2011	AMDT: **1**
				DATED: **02/19/2004**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
STE VORTAC	PLEAD (FO)	302.67 / 21.44	3000
BELGO (IAF)	PLEAD (NOPT) (FB)	076.84 / 19.81	3000
MAXMA (IAF)	PLEAD (NOPT) (FB)	119.54 / 16.42	3000
PLEAD (IF/IAF)	HENPA (FB)	077.17 / 6.89	3000
HENPA (FAF)	WOKOS/2.00 NM TO RW08 (FB)	077.29 / 3.25	
WOKOS/2.00 NM TO RW08	RW08 (MAP) (FO)	077.34 / 2.00	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW08

CLIMB TO 3000 DIRECT ASARE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W PLEAD, RT, 077.17 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 077.29 FAF: HENPA DIST FAF TO MAP: 5.25 THLD: 5.25
4. MIN. ALT: PLEAD 3000, HENPA 3000, WOKOS/2.00 NM TO RW08 1960*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: HENPA 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 56.3 34:1 IS CLEAR
8. MSA FROM: RW08 3600

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 257.59 INBOUND.
CHART FAS OBST: 1419 TREE 444721N/0894027W
DISTANCE TO THLD FROM 200 HATH: 0.45 NM.
CHART VDP AT 1.10 MILES TO RW08*
*LNAV ONLY.
WAAS CHANNEL # 42820
REFERENCE PATH ID: W08A
LTP HAE: 352.9 M

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	1473	1/2	200	1473	1/2	200	1473	1/2	200	1473	1/2	200			
LNAV/VNAV DA	1600	5/8	327	1600	5/8	327	1600	5/8	327	1600	5/8	327			
LNAV MDA	1680	1/2	407	1680	1/2	407	1680	3/4	407	1680	3/4	407			
CIRCLING	1740	1	463	1740	1	463	1740	1 1/2	463	1840	2	563			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 35C (95F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAUSAU ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET, AND INCREASE LNAV/VNAV ALL CATS VISIBILITY AND LNAV CATS C
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 1277 THRE: 1273	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	RNAV	RNAV (GPS) RWY 8, AMDT 1 05 MAY 2011	AMDT: ORIG
				DATED 02/20/2001

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW08 (MAP)	1473 MSL	077.34	
1473 MSL	ASARE (FO)		3000

NOTES, (CONT.):
AND D VISIBILITY 1/8 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 MILE AND INCREASE LNAV CATS C AND D VISIBILITY TO 1 1/8 MILE.

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

CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 26 NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAXMA ON V26 WESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON STE VORTAC AIRWAY RADIALS 256 CW 354.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1277 THRE: 1273	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	RNAV	RNAV (GPS) RWY 8, AMDT 1 05 MAY 2011	AMDT: ORIG
				DATED: 02/20/2001

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	KCWA
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	444647.5795N
LTP/FTP LONGITUDE	0894031.9385W
LTP/FTP ELLIPSOIDAL HEIGHT	+03529
FPAP LATITUDE	444707.0400N
FPAP LONGITUDE	0893829.8600W
THRESHOLD CROSSING HEIGHT (TCH)	00056.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0416
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	E93FDA99

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03879
FPAP ORTHOMETRIC HEIGHT	+03879

QUALITY CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
MOSINEE, WI	ELEVATION: 1277 THRE: 1273 AIRPORT NAME: CENTRAL WISCONSIN	RNAV	RNAV (GPS) RWY 8, AMDT 1 05 MAY 2011	SUP: AMDT: ORIG DATED: 02/20/2001

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)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAD        STE   K5011060VTLA N44323569W089315002    N44323569W089315002W0010011101     NARSTEVENS POINT

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ASARE K50    W     N44494226W089220719                    W0026    NAR          ASARE
        SUSAEAENRT   BELGO K50    C   L N44393965W090241279                    W0016    NAR          BELGO
        SUSAEAENRT   HENPA K50    W     N44453853W089474307                    W0022    NAR          HENPA
        SUSAEAENRT   MAXMA K50    R   L N44521460W090171149                    W0018    NAR          MAXMA
        SUSAEAENRT   PLEAD K50    W     N44440711W089570907                    W0020    NAR          PLEAD
        SUSAEAENRT   WOKOS K50    C     N44462131W089431632                    W0022    NAR          WOKOS

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5ACWA     0     076YHN44463950W089400040E000001277         1800018000C    MNAR    CENTRAL WISCONSIN

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5FR08   ABELGO 010BELGOK5EA0E  A    IF                                                18000                A JS
        SUSAP KCWAK5FR08   ABELGO 020PLEADK5EA0EE B 010TF                    07680198    + 03000                                A JS
        SUSAP KCWAK5FR08   AMAXMA 010MAXMAK5EA0E  A    IF                                                18000                A JS
        SUSAP KCWAK5FR08   AMAXMA 020PLEADK5EA0EE B 010TF                    11950164    + 03000                                A JS
        SUSAP KCWAK5FR08   ASTE   010STE  K5D 0V      IF                                                18000                A JS
        SUSAP KCWAK5FR08   ASTE   020PLEADK5EA0EY   020TF                    30270214    + 03000                                A JS
        SUSAP KCWAK5FR08   ASTE   030PLEADK5EA0EE AR  HF                     07720040    + 03000                                A JS
        SUSAP KCWAK5FR08   R      010PLEADK5EA0E  I    IF                                + 03000    18000                       A JS
        SUSAP KCWAK5FR08   R      020HENPAK5EA1E  F 051TF                    07720069    + 03000                RW08  K5PGA JS
        SUSAP KCWAK5FR08   R      020HENPAK5EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
        SUSAP KCWAK5FR08   R      021WOKOSK5EA0E S  031TF                    07730033    V 0196001966       -300               A JS
        SUSAP KCWAK5FR08   R      030RW08 K5PG0GY M 031TF                    07730020      01329            -300               A JS
        SUSAP KCWAK5FR08   R      040          0  M     CA                   0773        + 01473                               A JS
        SUSAP KCWAK5FR08   R      050ASAREK5EA0EY       DF                              + 03000                               A JS
        SUSAP KCWAK5FR08   R      060ASAREK5EA0EE  R    HM                   25760040    + 03000                               A JS
```

CITY AND STATE	ELEVATION: 1277 THRE: 1273	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	RNAV	RNAV (GPS) RWY 8, AMDT 1	AMDT: ORIG
			05 MAY 2011	DATED: 02/20/2001

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
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5GRW08     0076480774 N44464758W089403194-0200     +0352901273000056150I

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5PR08    RW08 001 0000W08A0N4446475795W08940319385+035290300N4447070400W089382986001067504160005 63F400350E93FDA99
        SUSAP KCWAK5PR08    RW08 002E       +03879+03879LPV       42820

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5SRW08 K5PG               0   18018003625                                                                  M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1277 THRE: 1273	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: **CENTRAL WISCONSIN**	**RNAV**	**RNAV (GPS) RWY 8, AMDT 1** 05 MAY 2011	AMDT: **ORIG**
				DATED: **02/20/2001**

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
EDGRR	DUGTE (FO)	054.04 / 11.70	3600
CULOG (IAF)	DUGTE (NOPT) (FB)	122.41 / 9.74	3600
ENETE (IAF)	DUGTE (NOPT) (FB)	242.79 / 7.99	3600
DUGTE (IF/IAF)	FASEX (FB)	170.01 / 6.12	3100
FASEX (FAF)	RW17 (MAP) (FO)	170.02 / 5.58	
RW17 (MAP)	1534 MSL	170.02	
1534 MSL	LEERY (FO)		2900

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

CLIMB TO 2900 DIRECT LEERY AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N DUGTE, RT, 170.01 INBOUND, 3600 FT. IN LIEU OF PT (IAF)
3. FAC: 170.02 FAF: FASEX DIST FAF TO MAP: 5.58 THLD: 5.58
4. MIN. ALT: DUGTE 3600, FASEX 3100
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3100 GS ALT AT: FASEX 3100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.4 34:1 IS NOT CLEAR
8. MSA FROM: RW17 3600

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 350.07 INBOUND.
CHART FAS OBST: 1419 TREE 444721N/0894027W
1459 AAO 445227N/0894333W
DISTANCE TO THLD FROM 257 HATH: 0.66 NM.
WAAS CHANNEL # 53321
REFERENCE PATH ID: W17A
LTP HAE: 354.2 M

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	1534	1	257	1534	1	257	1534	1	257	1534	1	257			
LNAV/VNAV DA	1600	1 1/8	323	1600	1 1/8	323	1600	1 1/8	323	1600	1 1/8	323			
LNAV MDA	1680	1	403	1680	1	403	1680	1 1/8	403	1680	1 1/8	403			
CIRCLING	1740	1	463	1740	1	463	1740	1 1/2	463	1840	2	563			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING WAUSAU ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 35C (95F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1277 THRE: 1277	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	RNAV	RNAV (GPS) RWY 17, AMDT 1 05 MAY 2011	AMDT: ORIG
				DATED 05/17/2001

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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 WAUSAU ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET, AND INCREASE LNAV CATS C AND D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EDGRR ON V26 WESTBOUND.

CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 26 NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CULOG ON V177 NORTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ENETE ON V63 NORTHBOUND.

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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	KCWA
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	444651.7880N
LTP/FTP LONGITUDE	0894031.9490W
LTP/FTP ELLIPSOIDAL HEIGHT	+03542
FPAP LATITUDE	444524.0400N
FPAP LONGITUDE	0894010.3200W
THRESHOLD CROSSING HEIGHT (TCH)	00045.4
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	548BD06D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03893
FPAP ORTHOMETRIC HEIGHT	+03893

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1277 THRE: 1277	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	RNAV	RNAV (GPS) RWY 17, AMDT 1 05 MAY 2011	AMDT: ORIG DATED: 05/17/2001

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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   CULOG K50    C   L N45033673W089545770                    W0021     NAR           CULOG
        SUSAEAENRT   DUGTE K50    W     N44582312W089432299                    W0023     NAR           DUGTE
        SUSAEAENRT   EDGRR K50    R   L N44513183W089564306                    W0021     NAR           EDGRR
        SUSAEAENRT   ENETE K50    C   L N45020273W089332250                    W0024     NAR           ENETE
        SUSAEAENRT   FASEX K50    W     N44522157W089415339                    W0023     NAR           FASEX
        SUSAEAENRT   LEERY K50    W     N44355525W089375055                    W0023     NAR           LEERY

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5ACWA     0     076YHN44463950W089400040E000001277         1800018000C    MNAR    CENTRAL WISCONSIN

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5FR17   ACULOG 010CULOGK5EA0E  A    IF                                          18000                A JS
        SUSAP KCWAK5FR17   ACULOG 020DUGTEK5EA0EE B 010TF                    12240097    + 03600                      A JS
        SUSAP KCWAK5FR17   AEDGRR 010EDGRRK5EA0E      IF                                          18000                A JS
        SUSAP KCWAK5FR17   AEDGRR 020DUGTEK5EA0EY   020TF                    05400117    + 03600                      A JS
        SUSAP KCWAK5FR17   AEDGRR 030DUGTEK5EA0EE AR   HF                    17000040    + 03600                      A JS
        SUSAP KCWAK5FR17   AENETE 010ENETEK5EA0E  A    IF                                          18000                A JS
        SUSAP KCWAK5FR17   AENETE 020DUGTEK5EA0EE B 010TF                    24280080    + 03600                      A JS
        SUSAP KCWAK5FR17   R      010DUGTEK5EA0E  I    IF                                + 03600   18000                A JS
        SUSAP KCWAK5FR17   R      020FASEXK5EA1E  F 051TF                    17000061    + 03100             RW17  K5PGA JS
        SUSAP KCWAK5FR17   R      020FASEXK5EA2WALPV      ALNAV/VNAV ALNAV                                                JS
        SUSAP KCWAK5FR17   R      030RW17 K5PG0GY M 031TF                    17000056      01323          -300          A JS
        SUSAP KCWAK5FR17   R      040         0  M     CA                    1700        + 01534                      A JS
        SUSAP KCWAK5FR17   R      050LEERYK5EA0EY      DF                                + 02900                      A JS
        SUSAP KCWAK5FR17   R      060LEERYK5EA0EE  R   HM                    35010040    + 02900                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5GRW17    0065011700 N44465179W089403195-0800    +0354201277000045150R
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 1277 THRE: 1277	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	RNAV	RNAV (GPS) RWY 17, AMDT 1	AMDT: ORIG
			05 MAY 2011	DATED: 05/17/2001

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                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5PR17    RW17 001 0000W17A0N4446517880W08940319490+035420300N4445240400W089401032001067507680004 54F400500548BD06D
        SUSAP KCWAK5PR17    RW17 002E       +03893+03893LPV       53321

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5SRW17 K5PG                0   18018003625                                                                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
STE VORTAC	ASARE (FO)	021.99 / 18.46	3000
IPUCO (IAF)	ASARE (NOPT) (FB)	318.68 / 22.32	3000
USERS (IAF)	ASARE (NOPT) (FB)	200.19 / 21.51	3000
ASARE (IF/IAF)	TETEE (FB)	257.59 / 6.85	3000
TETEE (FAF)	ZIKUG/2.00 NM TO RW26 (FB)	257.48 / 3.32	
ZIKUG/2.00 NM TO RW26	RW26 (MAP) (FO)	257.42 / 2.00	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW26

CLIMB TO 3000 DIRECT PLEAD AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 077.17 INBOUND.
CHART FAS OBST: 1419 TREE 444754N/0893727W
DISTANCE TO THLD FROM 250 HATH: 0.64 NM.
WAAS CHANNEL # 58220
REFERENCE PATH ID: W26A
LTP HAE: 348.8 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E ASARE, RT, 257.59 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 257.48 FAF: TETEE DIST FAF TO MAP: 5.32 THLD: 5.32
4. MIN. ALT: ASARE 3000, TETEE 3000, ZIKUG/2.00 NM TO RW26 1940*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: TETEE 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM: RW26 3600

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	1510	1	250	1510	1	250	1510	1	250	1510	1	250			
LNAV/VNAV DA	1730	1 5/8	470	1730	1 5/8	470	1730	1 5/8	470	1730	1 5/8	470			
LNAV MDA	1680	1	420	1680	1	420	1680	1 1/8	420	1680	1 1/8	420			
CIRCLING	1740	1	463	1740	1	463	1740	1 1/2	463	1840	2	563			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING WAUSAU ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 35C (95F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 1277 THRE: 1260	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	RNAV	RNAV (GPS) RWY 26, AMDT 1 05 MAY 2011	AMDT: ORIG
				DATED 05/17/2001

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW26 (MAP)	1510 MSL	257.42	
1510 MSL	PLEAD (FO)		3000

NOTES, (CONT.):
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAUSAU ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET, AND INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE AND INCREASE LNAV CATS C AND D VISIBILITY 1/4 MILE.

CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 26 NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT USERS ON V191 NORTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IPUCO ON V55 EASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON STE VORTAC AIRWAY RADIALS 354 CW 090.

CITY AND STATE	ELEVATION: 1277 THRE: 1260	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	RNAV	RNAV (GPS) RWY 26, AMDT 1 05 MAY 2011	AMDT: ORIG DATED: 05/17/2001

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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	KCWA
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	444704.0795N
LTP/FTP LONGITUDE	0893848.4720W
LTP/FTP ELLIPSOIDAL HEIGHT	+03488
FPAP LATITUDE	444644.6100N
FPAP LONGITUDE	0894050.5400W
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	0416
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	07EDB47D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03840
FPAP ORTHOMETRIC HEIGHT	+03840

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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        STE   K5011060VTLA N44323569W089315002    N44323569W089315002W0010011101     NARSTEVENS POINT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ASARE K50    W     N44494226W089220719                      W0026     NAR          ASARE
        SUSAEAENRT   IPUCO K50    C   L N44325848W089012476                      W0028     NAR          IPUCO
        SUSAEAENRT   PLEAD K50    W     N44440711W089570907                      W0020     NAR          PLEAD
        SUSAEAENRT   TETEE K50    W     N44481357W089313069                      W0024     NAR          TETEE
        SUSAEAENRT   USERS K50    C   L N45095395W089114121                      W0028     NAR          USERS
        SUSAEAENRT   ZIKUG K50    W     N44473024W089360403                      W0023     NAR          ZIKUG

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5ACWA     0     076YHN44463950W089400040E000001277         1800018000C    MNAR    CENTRAL WISCONSIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5FR26   AIPUCO 010IPUCOK5EA0E  A    IF                                                  18000                A JS
        SUSAP KCWAK5FR26   AIPUCO 020ASAREK5EA0EE B 010TF                      31870223    + 03000                               A JS
        SUSAP KCWAK5FR26   ASTE   010STE  K5D 0V       IF                                                  18000                A JS
        SUSAP KCWAK5FR26   ASTE   020ASAREK5EA0EY   020TF                      02200185    + 03000                               A JS
        SUSAP KCWAK5FR26   ASTE   030ASAREK5EA0EE AR   HF                      25760040    + 03000                               A JS
        SUSAP KCWAK5FR26   AUSERS 010USERSK5EA0E  A    IF                                                  18000                A JS
        SUSAP KCWAK5FR26   AUSERS 020ASAREK5EA0EE B 010TF                      20020215    + 03000                               A JS
        SUSAP KCWAK5FR26   R      010ASAREK5EA0E  I    IF                                 + 03000          18000                A JS
        SUSAP KCWAK5FR26   R      020TETEEK5EA1E  F 051TF                      25760069    + 03000                    RW26  K5PGA JS
        SUSAP KCWAK5FR26   R      020TETEEK5EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
        SUSAP KCWAK5FR26   R      021ZIKUGK5EA0E S  031TF                      25750033    V 0194001942        -300              A JS
        SUSAP KCWAK5FR26   R      030RW26 K5PG0GY M 031TF                      25740020      01305             -300              A JS
        SUSAP KCWAK5FR26   R      040         0  M     CA                      2574        + 01510                               A JS
        SUSAP KCWAK5FR26   R      050PLEADK5EA0EY      DF                                 + 03000                               A JS
        SUSAP KCWAK5FR26   R      060PLEADK5EA0EE  R   HM                      07720040    + 03000                               A JS
```

CITY AND STATE	ELEVATION: 1277 THRE: 1260	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	RNAV	RNAV (GPS) RWY 26, AMDT 1	AMDT: ORIG
			05 MAY 2011	DATED: 05/17/2001

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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 KCWAK5GRW26     0076482574 N44470408W089384847+0200     +03488012600000045150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5PR26    RW26 001 0000W26A0N4447040795W08938484720+034880300N4446446100W089405054001067504160004 50F40050007EDB47D
        SUSAP KCWAK5PR26    RW26 002E       +03840+03840LPV       58220

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KCWAK5SRW26 K5PG                0   18018003625                                                                  M
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ORIGINAL
A
CHECKED

CITY AND STATE	ELEVATION: 1277 THRE: 1260	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	RNAV	RNAV (GPS) RWY 26, AMDT 1 05 MAY 2011	AMDT: ORIG DATED: 05/17/2001

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
EDGRR	LEERY (FO)	139.13 / 20.61	2900
STE VORTAC (IAF)	LEERY (NOPT) (FB)	307.79 / 5.43	2900
LEERY (IF/IAF)	JONIS (FB)	350.07 / 4.94	2900
JONIS (FAF)	HUREB/2.00 NM TO RW35 (FB)	350.05 / 3.10	
HUREB/2.00 NM TO RW35	RW35 (MAP) (FO)	350.05 / 2.00	
RW35 (MAP)	1425 MSL	350.05	
1425 MSL	DUGTE (FO)		3600

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

CLIMB TO 3600 DIRECT DUGTE AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 170.01 INBOUND.
CHART FAS OBST: 1369 TREE 444601N/0894059W
DISTANCE TO THLD FROM 200 HATH: 0.47 NM.
CHART VDP AT 1.08 MILES TO RW35*
*LNAV ONLY.
WAAS CHANNEL # 93521
REFERENCE PATH ID: W35A
LTP HAE: 338.3 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S LEERY, RT, 350.07 INBOUND, 2900 FT. IN LIEU OF PT (IAF)
3. FAC: 350.05 FAF: JONIS DIST FAF TO MAP: 5.10 THLD: 5.10
4. MIN. ALT: LEERY 2900, JONIS 2900, HUREB/2.00 NM TO RW35 1900*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2900 GS ALT AT: JONIS 2900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR
8. MSA FROM: RW35 3600

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	1425	1/2	200	1425	1/2	200	1425	1/2	200	1425	1/2	200			
LNAV/VNAV DA	1550	5/8	325	1550	5/8	325	1550	5/8	325	1550	5/8	325			
LNAV MDA	1620	1/2	395	1620	1/2	395	1620	5/8	395	1620	5/8	395			
CIRCLING	1740	1	463	1740	1	463	1740	1 1/2	463	1840	2	563			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 36C (96F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAUSAU ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET, AND INCREASE LNAV/VNAV ALL CATS VISIBILITY AND LNAV CATS C
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1277 THRE: 1225	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	RNAV	RNAV (GPS) RWY 35, AMDT 1 05 MAY 2011	AMDT: ORIG DATED 05/17/2001

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

NOTES, (CONT.):
AND D VISIBILITY 1/8 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 MILE.

CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 26 NA AT NIGHT.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EDGRR ON V26 WESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON STE VORTAC AIRWAY RADIALS 256 CW 354.

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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	KCWA
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	444548.5710N
LTP/FTP LONGITUDE	0894016.3705W
LTP/FTP ELLIPSOIDAL HEIGHT	+03383
FPAP LATITUDE	444716.3200N
FPAP LONGITUDE	0894038.0100W
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	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	A1B03E29

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03734
FPAP ORTHOMETRIC HEIGHT	+03734

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
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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       SUSAD        STE   K5011060VTLA N44323569W089315002    N44323569W089315002W0010011101     NARSTEVENS POINT

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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       SUSAEAENRT   DUGTE K50    W     N44582312W089432299                        W0023     NAR           DUGTE
       SUSAEAENRT   EDGRR K50    R   L N44513183W089564306                        W0021     NAR           EDGRR
       SUSAEAENRT   HUREB K50    C     N44435038W089394726                        W0023     NAR           HUREB
       SUSAEAENRT   JONIS K50    W     N44404708W089390216                        W0023     NAR           JONIS
       SUSAEAENRT   LEERY K50    W     N44355525W089375055                        W0023     NAR           LEERY

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-------------------------------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCWAK5ACWA     0     076YHN44463950W089400040E000001277         1800018000C    MNAR    CENTRAL WISCONSIN

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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       SUSAP KCWAK5FR35   AEDGRR 010EDGRRK5EA0E       IF                                          18000                A JS
       SUSAP KCWAK5FR35   AEDGRR 020LEERYK5EA0EY   020TF                    13910206    + 02900                        A JS
       SUSAP KCWAK5FR35   AEDGRR 030LEERYK5EA0EE AR   HF                    35010040    + 02900                        A JS
       SUSAP KCWAK5FR35   ASTE   010STE  K5D 0V  A    IF                                          18000                A JS
       SUSAP KCWAK5FR35   ASTE   020LEERYK5EA0EE B 010TF                    30780054    + 02900                        A JS
       SUSAP KCWAK5FR35   R      010LEERYK5EA0E  I    IF                                + 02900     18000              A JS
       SUSAP KCWAK5FR35   R      020JONISK5EA1E  F 051TF                    35010049    + 02900                RW35  K5PGA JS
       SUSAP KCWAK5FR35   R      020JONISK5EA2WALPV       ALNAV/VNAV ALNAV                                                JS
       SUSAP KCWAK5FR35   R      021HUREBK5EA0E S  031TF                    35010031    V 0190001912       -300         A JS
       SUSAP KCWAK5FR35   R      030RW35 K5PG0GY M 031TF                    35010020      01275            -300         A JS
       SUSAP KCWAK5FR35   R      040         0  M     CA                    3501        + 01425                        A JS
       SUSAP KCWAK5FR35   R      050DUGTEK5EA0EY      DF                                + 03600                        A JS
       SUSAP KCWAK5FR35   R      060DUGTEK5EA0EE  R   HM                    17000040    + 03600                        A JS
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1277 THRE: 1225	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	RNAV	RNAV (GPS) RWY 35, AMDT 1	AMDT: ORIG
			05 MAY 2011	DATED: 05/17/2001

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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 KCWAK5GRW35    0065013500 N44454857W089401637+0800    +0338301225000050150I

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCWAK5PR35   RW35 001 0000W35A0N4445485710W08940163705+033830300N4447163200W089403801001067507680005OOF400350A1B03E29
       SUSAP KCWAK5PR35   RW35 002E      +03734+03734LPV       93521

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA    123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KCWAK5SRW35 K5PG               0   18018003625                                                                  M
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1277 THRE: 1225	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: CENTRAL WISCONSIN	RNAV	RNAV (GPS) RWY 35, AMDT 1	AMDT: ORIG
			05 MAY 2011	DATED: 05/17/2001

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
STE VORTAC (IF/IAF)	FELTS/STE 10.00 DME	336.49 / 10.00	2800

MISSED APPROACH

MAP: ALYEA/ 14.52 DME FIX

CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 2800 ON STE VORTAC R-336 TO FELTS/10.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 336.49 INBOUND.
CHART FAS OBST: 1353 TOWER 444521N/0894110W
CHART VDP AT 13.44 DME;
DISTANCE VDP TO THLD 1.08 MILES.
FELTS TO RW35: 3.18/50
FAC CROSSES RWY C/L EXTENDED 327 FROM THLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE STE VORTAC, RT, 336.49 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC 336.49 FAF FELTS/STE 10.00 DME DIST FAF TO MAP ____ THLD 4.52
4. MIN. ALT STE VORTAC 2800, FELTS 2800, JUXUT/12.50 DME 1980
8. MSA FROM: STE VORTAC 270-360 3600, 360-270 2900

MAG VAR: 1W EPOCH YEAR: 1995

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-35	1620	1	395	1620	1	395	1620	1 1/8	395	1620	1 1/8	395			
CIRCLING	1740	1	463	1740	1	463	1740	1 1/2	463	1840	2	563			

NOTES:

CHART NOTE: VDP NA WITH WAUSAU ALTIMETER SETTING.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAUSAU ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE S-35 CATS C AND D VISIBILITY 1/8 MILE.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 1277 THRE: 1225 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MOSINEE, WI	CENTRAL WISCONSIN	STE	VOR/DME RWY 35, AMDT 9 05 MAY 2011	AMDT 8 DATE 09/28/2006

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

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

NOTES, (CONT.):
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON STE VORTAC AIRWAY RADIALS 090 CW 256.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 26 NA AT NIGHT.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1277 THRE: 1225	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MOSINEE, WI	AIRPORT NAME: **CENTRAL WISCONSIN**	**STE**	**VOR/DME RWY 35, AMDT 9** 05 MAY 2011	AMDT: **8**
				DATED: **09/28/2006**

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
COMTS	BRUNR (FO)	246.44 / 29.49	2800
LIMME	BRUNR (FO)	300.92 / 29.25	2800
HAMTN	JOMOR (FB)	005.65 / 28.06	2800
JOMOR (IAF)	BRUNR (NOPT) (FB)	004.21 / 12.00	2800
STE VORTAC (IAF)	BRUNR (NOPT) (FB)	146.71 / 14.29	2800
BRUNR (IF/IAF)	WPACA (FB)	094.22 / 7.69	2700
WPACA *(FAF)*	GWIZZ/2.10 NM TO RW10 (FB)	094.35 / 3.61	1540*
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW10

CLIMB TO 2800 DIRECT WWEGA AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 274.65 INBOUND.
CHART FAS OBST: 1069 TREE 441947N/0890340W
DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
WAAS CHANNEL # 63120
REFERENCE PATH ID: W10A
LTP HAE: 219.7 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W BRUNR, RT, 094.22 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC: 094.35 FAF: WPACA DIST FAF TO MAP: 5.71 THLD: 5.71
4. MIN. ALT: BRUNR 2800, WPACA 2700, GWIZZ/2.10 NM TO RW10 1540*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2700 GS ALT AT: WPACA 2700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW10 2800

MAG VAR: 1W EPOCH YEAR: 1995

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1090	1	250	1090	1	250	1090	1	250	1090	1	250			
LNAV/VNAV DA	1383	1 7/8	543	1383	1 7/8	543	1383	1 7/8	543	1383	1 7/8	543			
LNAV MDA	1380	1	540	1380	1	540	1380	1 1/2	540	1380	1 1/2	540			
CIRCLING	1420	1	580	1420	1	580	1420	1 1/2	580	1420	2	580			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING APPLETON ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 38C (100F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 840 THRE: 840 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WAUPACA, WI	WAUPACA MUNI	RNAV	RNAV (GPS) RWY 10, AMDT 1 05 MAY 2011	AMDT: ORIG DATED 01/20/2005

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 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
GWIZZ/2.10 NM TO RW10	RW10 (MAP) (FO)	094.40 / 2.10	
RW10 (MAP)	1090 MSL	094.40	
1090 MSL	WWEGA (FO)		2800

NOTES, (CONT.):
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE APPLETON ALTIMETER SETTING AND INCREASE ALL DA 62 FEET AND ALL MDA 80 FEET. INCREASE LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE, LNAV CATS C/D AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART PLAN VIEW NOTE: PROCEDURE NA FOR ARRIVAL AT STE VORTAC ON V228 NORTHBOUND.
CHART NOTE: WHEN VGSI INOP, CIRCLING NA AT NIGHT.

CITY AND STATE	ELEVATION: 840 THRE: 840	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WAUPACA, WI	AIRPORT NAME: WAUPACA MUNI	RNAV	RNAV (GPS) RWY 10, AMDT 1 05 MAY 2011	AMDT: ORIG DATED: 01/20/2005

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	KPCZ
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	442000.1155N
LTP/FTP LONGITUDE	0890158.4150W
LTP/FTP ELLIPSOIDAL HEIGHT	+02197
FPAP LATITUDE	441954.7500N
FPAP LONGITUDE	0885954.5100W
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	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	3B038D42

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02560
FPAP ORTHOMETRIC HEIGHT	+02560

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 840 THRE: 840	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WAUPACA, WI	AIRPORT NAME: WAUPACA MUNI	RNAV	RNAV (GPS) RWY 10, AMDT 1 05 MAY 2011	AMDT: ORIG DATED: 01/20/2005

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        STE   K5011060VTLA N44323569W089315002    N44323569W089315002W0010011101     NARSTEVENS POINT

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   BRUNR K50    W     N44204684W089203683                    W0025     NAR          BRUNR
       SUSAEAENRT   COMTS K50    C   L N44330835W088431418                    W0031     NAR          COMTS
       SUSAEAENRT   GWIZZ K50    W     N44200764W089045366                    W0027     NAR          GWIZZ
       SUSAEAENRT   HAMTN K50    C   L N43404953W089244246                    W0023     NAR          HAMTN
       SUSAEAENRT   JOMOR K50    W     N44084795W089213300                    W0024     NAR          JOMOR
       SUSAEAENRT   LIMME K50    C   L N44061690W088451701                    W0030     NAR          LIMME
       SUSAEAENRT   WPACA K50    W     N44202042W089095535                    W0026     NAR          WPACA
       SUSAEAENRT   WWEGA K50    W     N44191194W088435668                    W0030     NAR          WWEGA

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KPCZK5APCZ     0     052YHN44195970W089011120W001000840         1800018000C    MNAR    WAUPACA MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KPCZK5FR10   ACOMTS 010COMTSK5EA0E       IF                                          18000                A JS
       SUSAP KPCZK5FR10   ACOMTS 020BRUNRK5EA0EY   020TF                    24640295    + 02800                      A JS
       SUSAP KPCZK5FR10   ACOMTS 030BRUNRK5EA0EE AR   HF                    09420040    + 02800                      A JS
       SUSAP KPCZK5FR10   AHAMTN 010HAMTNK5EA0E       IF                                          18000                A JS
       SUSAP KPCZK5FR10   AHAMTN 020JOMORK5EA0E  A 020TF                    00570281    + 02800                      A JS
       SUSAP KPCZK5FR10   AHAMTN 030BRUNRK5EA0EE B 010TF                    00420120    + 02800                      A JS
       SUSAP KPCZK5FR10   ALIMME 010LIMMEK5EA0E       IF                                          18000                A JS
       SUSAP KPCZK5FR10   ALIMME 020BRUNRK5EA0EY   020TF                    30090293    + 02800                      A JS
       SUSAP KPCZK5FR10   ALIMME 030BRUNRK5EA0EE AR   HF                    09420040    + 02800                      A JS
       SUSAP KPCZK5FR10   ASTE   010STE  K5D 0V  A    IF                                          18000                A JS
       SUSAP KPCZK5FR10   ASTE   020BRUNRK5EA0EE B 010TF                    14670143    + 02800                      A JS
       SUSAP KPCZK5FR10   R      010BRUNRK5EA0E  I    IF                                + 02800   18000              A JS
       SUSAP KPCZK5FR10   R      020WPACAK5EA1E  F 051TF                    09420077    + 02700             RW10  K5PGA JS
       SUSAP KPCZK5FR10   R      020WPACAK5EA2WALPV       ALNAV/VNAV ALNAV                                            JS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 840 THRE: 840	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WAUPACA, WI	AIRPORT NAME: WAUPACA MUNI	RNAV	RNAV (GPS) RWY 10, AMDT 1 05 MAY 2011	AMDT: ORIG DATED: 01/20/2005

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
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KPCZK5FR10   R      021GWIZZK5EA0E S  031TF                    09440036    V 0154001548        -300          A JS
        SUSAP KPCZK5FR10   R      030RW10 K5PG0GY M 031TF                    09440021      00880             -300          A JS
        SUSAP KPCZK5FR10   R      040         0  M     CA                    0944        + 01090                         A JS
        SUSAP KPCZK5FR10   R      050WWEGAK5EA0EY      DF                               + 02800                         A JS
        SUSAP KPCZK5FR10   R      060WWEGAK5EA0EE  R   HM                    27470040    + 02800                         A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KPCZK5GRW10     0052000944 N44200012W089015842-0700     +0219700840000040100R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KPCZK5PR10   RW10 001 0000W10A0N4420001155W08901584150+021970300N4419547500W088595451001067511680000400F4005003B038D42
        SUSAP KPCZK5PR10   RW10 002E      +02560+02560LPV       63120

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KPCZK5SRW10 K5PG               0   18018002825                                                          M
```

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 840 THRE: 840	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WAUPACA, WI	AIRPORT NAME: WAUPACA MUNI	RNAV	RNAV (GPS) RWY 10, AMDT 1	AMDT: ORIG
			05 MAY 2011	DATED: 01/20/2005

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
BIPID	WWEGA (FO)	159.77 / 14.88	2800
BECKY (IAF)	WWEGA (NOPT) (FB)	203.61 / 15.15	2800
OSH VORTAC (IAF)	WWEGA (NOPT) (FB)	339.98 / 21.19	2800
WWEGA (IF/IAF)	FNDRY (FB)	274.65 / 6.29	2700
FNDRY (FAF)	RW28 (MAP) (FO)	274.55 / 5.82	
RW28 (MAP)	1240 MSL	274.55	
1240 MSL	BRUNR (FO)		2800

MISSED APPROACH

LNAV: RW28
LP: RW28

CLIMB TO 2800 DIRECT BRUNR AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 094.22 INBOUND.
CHART FAS OBST: 1040 TOWER 441906N/0885502W
FAS OBST: 1019 AAO 441912N/0885530W
WAAS CHANNEL # 42621
REFERENCE PATH ID: W28A
FNDRY TO RW28: 3.00/40.
LTP HAE: 209 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E WWEGA, RT, 274.65 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC: 274.55 FAF: FNDRY DIST FAF TO MAP: 5.82 THLD: 5.82
4. MIN. ALT: WWEGA 2800, FNDRY 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: RW28 2800

MAG VAR: 1W EPOCH YEAR: 1995

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1280	1	475	1280	1	475	1280	1 3/8	475	1280	1 3/8	475			
LNAV MDA	1340	1	535	1340	1	535	1340	1 1/2	535	1340	1 1/2	535			
CIRCLING	1420	1	580	1420	1	580	1420	1 1/2	580	1420	2	580			

NOTES:
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE APPLETON ALTIMETER SETTING AND (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 840 THRE: 805 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WAUPACA, WI	WAUPACA MUNI	RNAV	RNAV (GPS) RWY 28, AMDT 1 05 MAY 2011	AMDT: ORIG DATED 01/20/2005

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 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 MDA 80 FEET AND INCREASE LP AND LNAV CATS C/D VISIBILITY 1/4 MILE AND CIRCLING CAT C VISIBILTY 1/4 MILE.

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 840 THRE: 805	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WAUPACA, WI	AIRPORT NAME: WAUPACA MUNI	RNAV	RNAV (GPS) RWY 28, AMDT 1 05 MAY 2011	AMDT: ORIG DATED: 01/20/2005

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	KPCZ
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	441957.0300N
LTP/FTP LONGITUDE	0890047.0055W
LTP/FTP ELLIPSOIDAL HEIGHT	+02090
FPAP LATITUDE	442002.3900N
FPAP LONGITUDE	0890250.9200W
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	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	BED0ED2D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02454
FPAP ORTHOMETRIC HEIGHT	+02454

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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        OSH    K5011180VTL  N43592550W088332140    N43592550W088332140E0020007801     NAROSHKOSH

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   BECKY K50    C   L N44331151W088354990                    W0032     NAR          BECKY
       SUSAEAENRT   BIPID K50    C   L N44330433W088512697                    W0030     NAR          BIPID
       SUSAEAENRT   BRUNR K50    W     N44204684W089203683                    W0025     NAR          BRUNR
       SUSAEAENRT   FNDRY K50    W     N44193565W088524108                    W0029     NAR          FNDRY
       SUSAEAENRT   WWEGA K50    W     N44191194W088435668                    W0030     NAR          WWEGA

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KPCZK5APCZ     0     052YHN44195970W089011120W001000840         1800018000C    MNAR    WAUPACA MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP KPCZK5FR28   ABECKY 010BECKYK5EA0E  A    IF                                          18000                A JS
       SUSAP KPCZK5FR28   ABECKY 020WWEGAK5EA0EE B 010TF                    20360152    + 02800                      A JS
       SUSAP KPCZK5FR28   ABIPID 010BIPIDK5EA0E       IF                                          18000                A JS
       SUSAP KPCZK5FR28   ABIPID 020WWEGAK5EA0EY   020TF                    15980149    + 02800                      A JS
       SUSAP KPCZK5FR28   ABIPID 030WWEGAK5EA0EE AR   HF                    27470040    + 02800                      A JS
       SUSAP KPCZK5FR28   AOSH   010OSH  K5D 0V  A    IF                                          18000                A JS
       SUSAP KPCZK5FR28   AOSH   020WWEGAK5EA0EE B 010TF                    34000212    + 02800                      A JS
       SUSAP KPCZK5FR28   R      010WWEGAK5EA0E  I    IF                                + 02800   18000              A JS
       SUSAP KPCZK5FR28   R      020FNDRYK5EA1E  F 051TF                    27470063    + 02700             RW28  K5PGA JS
       SUSAP KPCZK5FR28   R      020FNDRYK5EA2WALP        N          ALNAV                                              JS
       SUSAP KPCZK5FR28   R      030RW28 K5PG0GY M 031TF                    27460058      00845          -300          A JS
       SUSAP KPCZK5FR28   R      040         0  M     CA                    2746        + 01240                      A JS
       SUSAP KPCZK5FR28   R      050BRUNRK5EA0EY       DF                                + 02800                      A JS
       SUSAP KPCZK5FR28   R      060BRUNRK5EA0EE  R   HM                    09420040    + 02800                      A JS
```

QUALITY CHECKED A

CITY AND STATE	ELEVATION: 840 THRE: 805	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WAUPACA, WI	AIRPORT NAME: WAUPACA MUNI	RNAV	RNAV (GPS) RWY 28, AMDT 1 05 MAY 2011	AMDT: ORIG
				DATED: 01/20/2005

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPCZK5GRW28     0052002745 N44195703W089004701+0700     +020900080500004010OR

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPCZK5PR28    RW28 001 0000W28A0N4419570300W08900470055+020900300N4420023900W089025092001067511680004 00F400000BED0ED2D
          SUSAP KPCZK5PR28    RW28 002E       +02454+02454LP         42621

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KPCZK5SRW28 K5PG                0   18018002825                                                              M
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QUALITY A CHECKED

CITY AND STATE	ELEVATION: 840 THRE: 805	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WAUPACA, WI	AIRPORT NAME: WAUPACA MUNI	RNAV	RNAV (GPS) RWY 28, AMDT 1 05 MAY 2011	AMDT: ORIG
				DATED: 01/20/2005

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30777 ; Amdt. No. 3421]

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 April 1, 2011

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
5-May-11	NE	Lincoln	Lincoln	1/0794	3/23/11	ILS OR LOC RWY 18, Amdt 6F
5-May-11	FL	Venice	Venice Muni	1/1934	3/23/11	Takeoff Minimums and Obstacle DP, Amdt 2
5-May-11	NC	Greenville	Pitt - Greenville	1/2023	3/23/11	RNAV (GPS) RWY 2, Orig
5-May-11	NY	Niagara Falls	Niagara Falls Intl	1/2456	3/23/11	NDB OR GPS RWY 28R, Amdt 16A
5-May-11	NC	Greenville	Pitt - Greenville	1/2789	3/23/11	ILS OR LOC RWY 20, Amdt 4
5-May-11	TX	Dallas	Dallas Love Field	1/3002	3/23/11	RNAV (GPS) Z RWY 13L, Orig-B
5-May-11	VA	Orange	Orange County	1/5119	3/4/11	VOR/DME OR GPS A, Amdt 2A
5-May-11	GA	Rome	Richard B Russell	1/5120	3/4/11	ILS/DME RWY 1, Orig-A
5-May-11	NJ	Linden	Linden	1/5393	3/7/11	Takeoff Minimums and Obstacle DP, Amdt 2
5-May-11	NJ	Newark	Newark Liberty Intl	1/5735	3/4/11	RNAV (RNP) Z RWY 29, Orig-A
5-May-11	MD	Cambridge	Cambridge - Dorchester	1/6177	3/1/11	NDB OR GPS RWY 34, Amdt 7
5-May-11	FL	Deland	Deland Muni - Sidney H Taylor Field	1/6474	3/1/11	RNAV (GPS) RWY 5, Orig
5-May-11	FL	Panama City	Northwest Florida Beaches Intl	1/6475	3/1/11	RNAV (GPS) RWY 16, Orig-B
5-May-11	FL	Panama City	Northwest Florida Beaches Intl	1/6476	3/1/11	RNAV (GPS) RWY 34, Orig-B
5-May-11	WV	Charleston	Yeager	1/6478	3/1/11	Takeoff Minimums and Obstacle DP, Amdt 8
5-May-11	RI	Providence	Theodore Francis Green State	1/6567	3/1/11	ILS RWY 34, Amdt 10B
5-May-11	NJ	Newark	Newark Liberty Intl	1/6957	3/4/11	RNAV (RNP) Y RWY 29, Orig-A
5-May-11	CT	Groton (New London)	Groton - New London	1/7378	3/7/11	ILS OR LOC RWY 5, Amdt 11B
5-May-11	VT	Morrisville	Morrisville - Stowe State	1/7381	3/9/11	NDB OR GPS B, Amdt 1C
5-May-11	VT	Morrisville	Morrisville - Stowe State	1/7382	3/9/11	Takeoff Minimums and Obstacle DP, Amdt 2
5-May-11	MS	Starkville	George M Bryan	1/7383	3/14/11	LOC/DME RWY 36, Orig
5-May-11	FL	Lakeland	Lakeland Linder Rgnl	1/7480	3/7/11	RNAV (GPS) RWY 27, Orig

5-May-11	NY	White Plains	Westchester County	1/7527	3/7/11	RNAV (RNP) Z RWY 34, Orig
5-May-11	MA	Falmouth	Cape Cod Coast Guard Air Station	1/7535	3/7/11	ILS OR LOC RWY 32, Orig
5-May-11	KY	Lexington	Blue Grass	1/7821	3/1/11	ILS OR LOC RWY 22, Amdt 20
5-May-11	AL	Auburn	Auburn University Rgnl	1/7887	3/7/11	RNAV (GPS) RWY 18, Orig
5-May-11	AL	Auburn	Auburn University Rgnl	1/7888	3/7/11	RNAV (GPS) RWY 11, Orig
5-May-11	NY	Poughkeepsie	Dutchess County	1/8102	3/9/11	Takeoff Minimums and Obstacle DP, Amdt 1
5-May-11	TN	Memphis	Memphis Intl	1/8162	3/7/11	RNAV (RNP) Y RWY 18R, Orig
5-May-11	TN	Memphis	Memphis Intl	1/8163	3/7/11	RNAV (RNP) X RWY 18L, Orig
5-May-11	TN	Memphis	Memphis Intl	1/8164	3/7/11	RNAV (RNP) Y RWY 18L, Orig
5-May-11	PA	Perkasie	Pennridge	1/8350	3/7/11	Takeoff Minimums and Obstacle DP, Orig
5-May-11	DC	Washington	Washington Dulles Intl	1/8351	3/7/11	RNAV (GPS) RWY 12, Amdt 1
5-May-11	DC	Washington	Washington Dulles Intl	1/8353	3/7/11	RNAV (GPS) RWY 1L, Orig
5-May-11	WI	Madison	Blackhawk Airfield	1/8455	3/9/11	VOR OR GPS A, Orig-C
5-May-11	AL	Lanett	Lanett Muni	1/8471	3/7/11	VOR/DME OR GPS A, Amdt 2A
5-May-11	IA	Keokuk	Keokuk Muni	1/8893	3/9/11	RNAV (GPS) RWY 14, Orig
5-May-11	IA	Keokuk	Keokuk Muni	1/8894	3/9/11	ILS OR LOC/DME RWY 26, Orig
5-May-11	IA	Keokuk	Keokuk Muni	1/8895	3/9/11	RNAV (GPS) RWY 26, Orig
5-May-11	IA	Keokuk	Keokuk Muni	1/8896	3/9/11	RNAV (GPS) RWY 8, Orig
5-May-11	NC	Goldsboro	Goldsboro - Wayne Muni	1/9054	3/7/11	VOR A, Amdt 5
5-May-11	NC	Goldsboro	Goldsboro - Wayne Muni	1/9055	3/7/11	RNAV (GPS) RWY 23, Orig
5-May-11	NC	Goldsboro	Goldsboro - Wayne Muni	1/9056	3/7/11	ILS OR LOC RWY 23, Amdt 1A
5-May-11	NY	Middletown	Randall	1/9081	3/4/11	NDB RWY 26, Amdt 1
5-May-11	VA	Marion / Wytheville	Mouintain Empire	1/9082	3/4/11	RNAV (GPS) RWY 26, Orig
5-May-11	WV	Ravenswood	Jackson County	1/9088	3/4/11	Takeoff Minimums and Obstacle DP, Amdt 1
5-May-11	KS	Concordia	Blosser Muni	1/9097	3/9/11	GPS RWY 17, Orig-A
5-May-11	IL	Morris	Morris Muni - James R. Washburn	1/9221	3/4/11	RNAV (GPS) RWY 18, Orig
5-May-11	VA	Martinsville	Blue Ridge	1/9234	3/4/11	LOC RWY 30, Amdt 1
5-May-11	NE	Lincoln	Lincoln	1/9352	3/23/11	ILS OR LOC RWY 36, Amdt 11E

5-May-11	IL	Peru	Illinois Valley Rgnl - Walter A Cuncan Field	1/9358	3/9/11	LOC RWY 36, Amdt 3A
5-May-11	IL	Peru	Illinois Valley Rgnl - Walter A Cuncan Field	1/9360	3/9/11	RNAV (GPS) RWY 18, Orig-A
5-May-11	IL	Peru	Illinois Valley Rgnl - Walter A Cuncan Field	1/9362	3/9/11	RNAV (GPS) RWY 36, Orig-A
5-May-11	NY	New York	La Guardia	1/9829	3/9/11	RNAV (RNP) Z RWY 22, Orig
5-May-11	NY	Poughkeepsie	Dutchess County	1/9964	3/23/11	VOR A, Amdt 11
5-May-11	NY	Poughkeepsie	Dutchess County	1/9965	3/23/11	RNAV (GPS) RWY 24, Orig
5-May-11	NY	Poughkeepsie	Dutchess County	1/9966	3/23/11	VOR/DME RWY 24, Amdt 4A

AIRAC Date: 05 MAY 2011

FDC 1/0794 LNK FI/P LINCOLN, LINCOLN, NE. ILS OR LOC RWY 18, AMDT 6F... S-ILS 18 CAT E DA 1395/HAT 200. VISIBILITY RVR 2400. S-LOC 18 CAT E MDA 1720/HAT 525. VISIBILITY RVR 6000. CIRCLING CAT E MDA 2040/HAA 821. VISIBILITY 3. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE BEATRICE ALTIMETER SETTING AND INCREASE ALL DA 91 FEET AND ALL MDA 100 FEET, INCREASE S-LOC 18 CAT C VISIBILITY TO RVR 6000, CAT D TO 1 1/2 MILE, AND CAT E TO 1 3/4 MILE. INCREASE CIRCLING CAT C VISIBILITY TO 1 3/4 MILE, AND CAT D VISIBILITY TO 2 1/4 MILE. CHART NOTE: WHEN ALS INOP, INCREASE S-ILS AND S-LOC CAT E VIS 1/4 MILE. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING BEATRICE ALTIMETER SETTING INCREASE S-ILS 18 VISIBILITY ALL CATS TO 1 MILE, S-LOC 18 CAT E VISIBILITY TO 2 1/4 MILE. ALTERNATE MINIMUMS: STANDARD, EXCEPT ILS CAT CAT D 700-2, CAT E 900-3; LOC CAT E 900-3 AND NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS ILS OR LOC RWY 18, AMDT 6G.

FDC 1/1934 VNC FI/P VENICE MUNI, VENICE, FL. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2... CHANGE ALL RUNWAY NUMBER REFERENCES FROM 5/23 TO 4/22 AND 14/32 TO 13/31. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 2A.

FDC 1/2023 PGV FI/P PITT-GREENVILLE, GREENVILLE, NC. RNAV (GPS) RWY 2, ORIG... LNAV HAT 536 ALL CATS. CIRCLING MDA 620/HAA 594 ALL CATS. DELETE NOTE: GPS OR RNP -0.3 REQUIRED. ALTERNATE MINIMUMS: STANDARD; EXCEPT NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WASHINGTON ALTIMETER SETTING AND INCREASE ALL MDA 60 FT AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE. CHART TDZE 24 CHART APT ELEV 26 CHART FAS OBST: 309 BLDG 353631N/0772406W. THIS IS RNAV (GPS) RWY 2, ORIG-A.

FDC 1/2456 IAG FI/P NIAGARA FALLS INTL, NIAGARA FALLS, NY. NDB OR GPS RWY 28R, AMDT 16A... S-28R MDA 1200/HAT 612 ALL CATS. VIS CAT C RVR 6000, CAT D 1 3/4. CIRCLING CATS A/B/C MDA 1200/HAA 611, CAT D MDA 1360/HAA 771. VIS CAT C 1 3/4, CAT D 2 1/2. CHANGE MISSED APPROACH TO READ: CLIMBING RIGHT TURN TO 3200 DIRECT IA LOM AND HOLD, CONTINUE CLIMB IN HOLD TO 3200. CHART NOTE: WHEN VGSI INOP, CIRCLING RWYS 6 AND 10R NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. TERMINAL ROUTE FROM EHMAN INT TO KATHI (IA) LOM DISTANCE 21.3 NM AND MINIMUM ALTITUDE 2100. DELETE TERMINAL ROUTES FROM BUFFALO (BUF) VOR/DME TO KATHI (IA) LOM AND FROM GANIS INT TO KATHI (IA) LOM. CHART AIRPORT ELEVATION 589. THIS IS NDB OR GPS RWY 28R, AMDT 16B

FDC 1/2789 PGV FI/P PITT-GREENVILLE, GREENVILLE, NC. ILS OR LOC RWY 20, AMDT 4... S-ILS 20 DA 319/HAT 294, VIS 3/4 ALL CATS. S-LOC 20 HAT 375, VIS 3/4 ALL CATS. CIRCLING MDA 620/HAA 594 ALL CATS. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WASHINGTON ALTIMETER SETTING AND INCREASE ALL DA 41 FT AND ALL MDA 60 FT; INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 20 CATS A/B/C VISIBILITY TO 1 MILE. CHART TDZE 25. CHART APT ELEV: 26. CHART NOTE: CIRCLING TO RWY 8/26 NA AT NIGHT. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING WASHINGTON ALTIMETER SETTING INCREASE S-ILS 20 ALL CATS VISIBILITY TO 1 1/4 MILE, AND S-LOC 20 CATS A/B TO 1 MILE. CHART VDP AT 2.15 DME (ASTERISK); DISTANCE VDP TO THLD 1.05 MILES. (ASTERISK) LOC ONLY. THIS IS ILS OR LOC RWY 20, AMDT 4A.

FDC 1/3002 DAL FI/P DALLAS LOVE FIELD, DALLAS, TX. RNAV (GPS) Z RWY 13L, ORIG-B... LNAV/VNAV: HAT 461 ALL CATS. LNAV: MDA HAT 435 VIS CAT C RVR 4000 CAT D RVR 5000. DELETE: THRE 477 CHART: TDZE 485 THIS IS RNAV (GPS) Z RWY 13L, ORIG-C.

FDC 1/5119 OMH FI/P ORANGE COUNTY, ORANGE, VA. VOR/DME OR GPS A, AMDT 2A... CHART NOTE: CIRCLING TO RWY 26 NA AT NIGHT. THIS IS VOR/DME OR GPS A, AMDT 2B.

FDC 1/5120 RMG FI/P RICHARD B RUSSELL, ROME, GA. ILS/DME RWY 1, ORIG-A... S-ILS 1 DA 918/HAT 282, VIS 1 ALL CATS. S-LOC 1 HAT 364, VIS 1 ALL CATS. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 1 OR S-LOC 1 CATS A/B/C. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 1 CAT D VISIBILITY TO 1 1/4. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART TDZE 636. THIS IS ILS OR LOC/DME RWY 1, ORIG-B.

FDC 1/5393 LDJ FI/P LINDEN, LINDEN, NJ. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2... TAKEOFF MINIMUMS: RWY 9, 300-1 3/4 OR STANDARD WITH A MINIMUM CLIMB OF 259 FT PER NM TO 400. RWY 27, 300-1. NOTE: RWY 9, POLE AND BUILDING 667 FT FROM DER, 53 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/77 FT MSL. MULTIPLE STACKS 1.3 NM FROM DER, 1135 FT RIGHT OF CENTERLINE, UP TO 275 FT AGL/287 MSL. NOTE: RWY 27, STACK 825 FT FROM DER, 655 FT RIGHT OF CENTERLINE, 86 FT AGL/113 FT MSL. MULTIPLE BUILDINGS 2197 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 110 FT AGL/140 FT MSL. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES , AMDT 2-A.

FDC 1/5735 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. RNAV (RNP) Z RWY 29, ORIG-A... RNP 0.16 DA 466/HAT 456, VIS 1 1/2 ALL CATS. RNP 0.30 DA 573/HAT 563, VIS 2 ALL CATS. CHART FAS OBST: 235 CRANE 404147N/0740853W. THIS IS RNAV (RNP) Z RWY 29, ORIG-B.

FDC 1/6177 CGE FI/P CAMBRIDGE-DORCHESTER, CAMBRIDGE, MD. NDB OR GPS RWY 34, AMDT 7 ... S-34: MDA 480/HAT 460 ALL CATS. VIS CAT D 1 1/2. CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 34 NA AT NIGHT. CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 16 NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART FAS OBST: 124 TREE 383225N/0760126W. THIS IS NDB OR GPS RWY 34, AMDT 7A

FDC 1/6474 DED FI/P DELAND MUNI-SIDNEY H TAYLOR FIELD, DELAND, FL. RNAV (GPS) RWY 5, ORIG... LNAV/VNAV DA 577/HAT 498, VIS 1 3/4 ALL CATS. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAYTONA BEACH INTL ALTIMETER SETTING AND INCREASE ALL DAS 38 FEET AND ALL MDAS 40 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAYTONA BEACH INTL ALTIMETER SETTING AND INCREASE ALL DAS 38 FEET AND ALL MDAS 40 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, AND LNAV CAT D VISIBILITY 1/4 MILE. CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 5 NA AT NIGHT. THIS IS RNAV (GPS) RWY 5, ORIG-A.

FDC 1/6475 ECP FI/P NORTHWEST FLORIDA BEACHES INTL, PANAMA CITY, FL. RNAV (GPS) RWY 16, ORIG-B... DELETE NOTE: CIRCLING NA TO RWYS 3 AND 21. THIS IS RNAV (GPS) RWY 16, ORIG-C.

FDC 1/6476 ECP FI/P NORTHWEST FLORIDA BEACHES INTL, PANAMA CITY, FL. RNAV (GPS) RWY 34, ORIG-B... DELETE NOTE: CIRCLING NA TO RWYS 3 AND 21. THIS IS RNAV (GPS) RWY 34, ORIG-C.

FDC 1/6478 CRW FI/P YEAGER, CHARLESTON, WV. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 8... DELETE RWY 15 TAKEOFF MINIMUMS. DELETE RWY 33 TAKEOFF MINIMUMS. DELETE RWY 15 DEPARTURE PROCEDURE. DELETE RWY 15 NOTES. DELETE RWY 33 NOTES. ALL OTHER DATA REMAINS THE SAME. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 8A.

FDC 1/6567 PVD FI/P THEODORE FRANCIS GREEN STATE, PROVIDENCE, RI. ILS RWY 34, AMDT 10B... CHART MNM ALTITUDE AT ALLEY/I-UNQ 2.6 DME 520 (ASTERISK), (ASTERISK LOC ONLY). CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS ILS OR LOC RWY 34, AMDT 10C

FDC 1/6957 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. RNAV (RNP) Y RWY 29, ORIG-A... RNP 0.16 DA 466/HAT 456, VIS 1 1/2 ALL CATS. RNP 0.30 DA 573/HAT 563, VIS 2 ALL CATS. DELETE: RNP 0.30 DA CAT D MINIMUMS. CHART FAS OBST: 235 CRANE 404147N/0740853W. THIS IS RNAV (RNP) Y RWY 29, ORIG-B.

FDC 1/7378 GON FI/P GROTON-NEW LONDON, GROTON (NEW LONDON), CT. ILS OR LOC RWY 5, AMDT 11B... MSA FROM: GON VOR/DME 010-280 2100, 280-010 2600. THIS IS ILS OR LOC RWY 5, AMDT 11C.

FDC 1/7381 MVL FI/P MORRISVILLE-STOWE STATE, MORRISVILLE, VT. NDB OR GPS B, AMDT 1C... TERMINAL ROUTE FROM BTV VOR/DME TO JRV NDB (IAF) MINIMUM ALTITUDE 6600. TERMINAL ROUTE FROM MPV VOR/DME TO JRV NDB (IAF) MINIMUM ALTITUDE 5900. PROCEDURE TURN OUTBOUND ALTITUDE 4000. CHART 4600 PRIOR TO JRV NDB IN PROFILE. FINAL APPROACH FIX MINIMUM ALTITUDE 3100. CIRCLING MDA 2260/HAA 1528 ALL CATS. MISSED APPROACH: CLIMBING RIGHT TURN TO 4000 DIRECT JRV NDB AND HOLD, CONTINUE CLIMB IN HOLD TO 4000. CHART NOTE: MAXIMUM HOLDING AIRSPEED 175 KIAS. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: PROCEDURE NA AT NIGHT. THIS IS NDB OR GPS B, AMDT 1D.

FDC 1/7382 MVL FI/P MORRISVILLE-STOWE STATE, MORRISVILLE, VT. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2... DEPARTURE PROCEDURE: RWY 1, CLIMBING RIGHT TURN DIRECT JRV NDB, CONTINUE CLIMB TO 2400 VIA THE JRV BEARING 050, THEN CLIMBING RIGHT TURN DIRECT TO JRV NDB, CONTINUE CLIMB IN HOLD (NE, LEFT TURNS, 230 INBOUND) TO 4000 BEFORE PROCEEDING ON COURSE. RWY 19, CLIMBING RIGHT TURN DIRECT JRV NDB AND CLIMB IN THE HOLD (NE, LEFT TURNS, 230 INBOUND) TO 4000 BEFORE PROCEEDING ON COURSE. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 2A

FDC 1/7383 STF FI/P GEORGE M BRYAN, STARKVILLE, MS. LOC/DME RWY 36, ORIG... CHANGE TERMINAL ROUTE TO READ: FEXIS/I-STF 12.17 DME/RADAR (IF/IAF) TO SOUER/I-STF 6.08 DME/RADAR (I-STF). DELETE IGB R-231 AND IGB R224 FROM PLANVIEW. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GOLDEN TRIANGLE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, AND S-36 CATS C/D, AND CIRCLING CAT C VISIBILITY 1/4 MILE. THIS IS LOC/DME RWY 36, ORIG-A.

FDC 1/7480 LAL FI/P LAKELAND LINDER RGNL, LAKELAND, FL. RNAV (GPS) RWY 27, ORIG... LNAV/VNAV DA 498/HAT 356 ALL CATS. CIRCLING CAT A MDA 600/HAA 458. THIS IS RNAV (GPS) RWY 27, ORIG-A.

FDC 1/7527 HPN FI/P WESTCHESTER COUNTY, WHITE PLAINS, NY. RNAV (RNP) Z RWY 34, ORIG... ADD NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. ADD NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. DELETE PROFILE NOTE: PROCEDURE TURN NA. THIS IS RNAV (RNP) Z RWY 34, ORIG-A.

FDC 1/7535 FMH FI/P CAPE COD COAST GUARD AIR STATION, FALMOUTH, MA. ILS OR LOC RWY 32, ORIG... DELETE PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. THIS IS ILS OR LOC RWY 32, ORIG-A.

FDC 1/7821 LEX FI/P BLUE GRASS, LEXINGTON, KY. ILS OR LOC RWY 22, AMDT 20... S-ILS DA 1252/HAT 272, VISIBILITY 1 ALL CATS. S-LOC 22 HAT 540 ALL CATS. CIRCLING HAT 540 CATS A/B/C, 560 CAT D. DISTANCE BRIDL (GN) LOM TO MAP 5.9 NM. CHANGE ALTIMETER NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CAPITAL CITY ALTIMETER SETTING AND INCREASE DA TO 1315 AND ALL MDA 80 FEET; INCREASE VISIBILITY S-ILS 22 ALL CATS, AND S-LOC 22 CATS C AND D 1/4 MILE. CHART APT ELEV AND TDZE: 980. THIS IS ILS OR LOC RWY 22, AMDT 20A.

FDC 1/7887 AUO FI/P AUBURN UNIVERSITY RGNL, AUBURN, AL. RNAV (GPS) RWY 18, ORIG... CHART TZDE 777. LNAV HAT 463 ALL CATS. DELETE VDP. CHANGE NOTE: STRAIGHT/IN CIRCLING RWY 18 PROCEDURE NA AT NIGHT. CHART NOTE: CIRCLING RWY 11 NA AT NIGHT. CHART NOTE: WHEN VGSI INOPERATIVE,CIRCLING RWY 29 NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. ALTERNATE MINIMUMS: STANDARD; EXCEPT NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS RNAV (GPS) RWY 18, ORIG-A.

FDC 1/7888 AUO FI/P AUBURN UNIVERSITY RGNL, AUBURN, AL. RNAV (GPS) RWY 11, ORIG... LNAV MDA 1240/HAT 465 ALL CATS, VISIBILITY CAT D 1 1/2. CIRCLING CAT A MDA 1240/HAA 463. DELETE VDP. CHANGE NOTE: STRAIGHT/IN CIRCLING RWY 11 PROCEDURE NA AT NIGHT. CHART NOTE: CIRCLING TO RWY 18 NA AT NIGHT. CHART NOTE: WHEN VGSI INOPERATIVE, CIRCLING RWY 29 NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 11, ORIG-A.

FDC 1/8102 POU FI/P DUTCHESS COUNTY, POUGHKEEPSIE, NY. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1... TAKE OFF MINIMUMS: RWY 6, 500 - 2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 277 FEET PER NM TO 600. RWY 15, 400 - 1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 346 FEET PER NM TO 700. RWY 33, 400 - 1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 242 FEET PER NM TO 500. CHART TAKEOFF OBSTACLE NOTES: NOTE: RWY 6, FENCE 12 FT FROM DEP END OF RWY, 305 FT RIGHT OF CL 5 FT AGL/165 FT MSL. TREES BEGINNING 283 FT FM DEP END OF RWY, 48 FT RIGHT OF CL, UP TO 89 FT AGL/467 FT MSL. OL ON TWR 369 FT FROM DEP END OF RWY, 400 FT RIGHT OF CL, 74 FT AGL/234 FT MSL. TREES BEGINNING 777 FT FROM DEP END OF RWY, 30 FT LEFT OF CL, UP TO 93 FT AGL/442 FT MSL. FENCE 12 FT FROM DEP END OF RWY, 305 FT RIGHT OF CL, 24 FT AGL/165 FT MSL. RWY 15, TREES BEGINNING 283 FT FROM DEP END OF RWY, 137 FT RIGHT OF CL, UP TO 117 FT AGL/417 FT MSL. TREES BEGINNING 1253 FT FROM DEP END OF RWY, 19 FT LEFT OF CL, UP TO 94 FT AGL/528 FT MSL. FENCE 229 FT FROM DEP END OF RWY, 253 FT RIGHT OF CL, 24 FT AGL/174 FT MSL. OBSTRUCTION LIGHTS BEGINNING 494 FT FROM DEP END OF RWY, 160 FT LEFT OF CL, 58 FT AGL/218 FT MSL. POLE 5291 FT FROM DEP END OF RWY, 28 FT RIGHT OF CL, 40 FT AGL/310 FT MSL. RWY 33, TREES BEGINNING 231 FT FROM DEP END OF RWY, 168 FT RIGHT OF CL, UP TO 104 FT AGL/323 FT MSL. TREES BEGINNING 229 FT FROM DEP END OF RWY, 83 FT LEFT OF CL, UP TO 84 FT AGL/334 FT MSL. ANTENNA ON HANGAR 124 FT FROM DEP END OF RWY, 332 FT LEFT OF CL, 39 FT AGL/189 FT MSL. TANK 6796 FT FROM DEP END OF RWY, 35 FT RIGHT OF CL, 110 FT AGL/360 FT MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 1A.

FDC 1/8162 MEM FI/P MEMPHIS INTL, MEMPHIS, TN. RNAV (RNP) Y RWY 18R, ORIG... DELETE RNP 0.30** DA MINIMUMS. DELETE NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.19* ALL CATS VISIBILITY TO RVR 6000 MILE, RNP 0.30** ALL CATS VISIBILITY TO 1 1/2 MILE AND RNP 0.30 ALL CATS VISIBILITY TO 1 3/4. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.19* ALL CATS VISIBILITY TO RVR 6000 AND RNP 0.30 ALL CATS VISIBILITY TO 1 3/4 MILE. DELETE NOTE: **MISSED APPROACH REQUIRES MINIMUM CLIMB OF 360 FT PER NM TO 1000. CHART FAS OBST: 400 TOWER 350408N/0900006W THIS IS RNAV (RNP) Y RWY 18R, ORIG-A.

FDC 1/8163 MEM FI/P MEMPHIS INTL, MEMPHIS, TN. RNAV (RNP) X RWY 18L, ORIG... RNP 0.11 DA 647/HAT 346 ALL CATS. THIS IS RNAV (RNP) X RWY 18L, ORIG-A.

FDC 1/8164 MEM FI/P MEMPHIS INTL, MEMPHIS, TN. RNAV (RNP) Y RWY 18L, ORIG... RNP 0.3 DA* 680/HAT 379 ALL CATS. THIS IS RNAV (RNP) Y RWY 18L, ORIG-A.

FDC 1/8350 CKZ FI/P PENNRIDGE, PERKASIE, PA. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... TAKEOFF MINIMUMS: RWY 26, 500 - 2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 252 FT PER NM TO 1200. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES , ORIG-A.

FDC 1/8351 IAD FI/P WASHINGTON DULLES INTL, WASHINGTON, DC. RNAV (GPS) RWY 12, AMDT 1... LNAV MDA 680/HAT 370 ALL CATS. CHART VDP AT 0.96 MILES TO RW12 (ASTERISK), (ASTERISK) LNAV ONLY. THIS IS RNAV (GPS) RWY 12, AMDT 1A.

FDC 1/8353 IAD FI/P WASHINGTON DULLES INTL, WASHINGTON, DC. RNAV (GPS) RWY 1L, ORIG... LNAV MDA 740/HAT 444 ALL CATS. CHART VDP AT 1.17 MILES TO RW01L (ASTERISK), (ASTERISK) LNAV ONLY. DELETE NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV CAT D VISIBILITY TO RVR 6000. THIS IS RNAV (GPS) RWY 1L, ORIG-A.

FDC 1/8455 87Y FI/P BLACKHAWK AIRFIELD, MADISON, WI. VOR OR GPS A, ORIG-C... CHART NOTE: DME REQUIRED. CHANGE ALL REFERENCE TO DREAR TO READ DREAR/MSN 12.7 DME. THIS IS VOR OR GPS A, ORIG-D.

FDC 1/8471 7A3 FI/P LANETT MUNI, LANETT, AL. VOR/DME OR GPS A, AMDT 2... CIRCLING CAT C MDA 1260/HAA 636. CIRCLING CATS A/B HAA 616. DELETE MISSED APPROACH: CLIMBING LEFT TURN TO 2000 VIA CSG R-317 TO NACEL 11 DME AND HOLD. ADD MISSED APPROACH: CLIMBING LEFT TURN TO 2200 ON CSG R-317 TO NACEL/11.00 DME AND HOLD. THIS IS VOR/DME OR GPS A, AMDT 2A.

FDC 1/8893 EOK FI/P KEOKUK MUNI, KEOKUK, IA. RNAV (GPS) RWY 14, ORIG... CIRCLING CATS A/B MDA 1180/HAA 509 VIS CATS A/B 1. THIS IS RNAV (GPS) RWY 14, ORIG-A.

FDC 1/8894 EOK FI/P KEOKUK MUNI, KEOKUK, IA. ILS OR LOC/DME RWY 26, ORIG... CIRCLING CATS A/B MDA 1180/HAA 509 VIS CATS A/B 1. THIS IS ILS OR LOC/DME RWY 26, ORIG-A.

FDC 1/8895 EOK FI/P KEOKUK MUNI, KEOKUK, IA. RNAV (GPS) RWY 26, ORIG... CIRCLING CATS A/B MDA 1180/HAA 509 VIS CATS A/B 1. THIS IS RNAV (GPS) RWY 26, ORIG-A.

FDC 1/8896 EOK FI/P KEOKUK MUNI, KEOKUK, IA. RNAV (GPS) RWY 8, ORIG... CIRCLING CATS A/B MDA 1180/HAA 509 VIS CATS A/B 1. THIS IS RNAV (GPS) RWY 8, ORIG-A.

FDC 1/9054 GWW FI/P GOLDSBORO-WAYNE MUNI, GOLDSBORO, NC. VOR A, AMDT 5... CIRCLING CATS A/B/C MDA 620/HAA 486. THIS IS VOR A, AMDT 5A.

FDC 1/9055 GWW FI/P GOLDSBORO-WAYNE MUNI, GOLDSBORO, NC. RNAV (GPS) RWY 23, ORIG... CIRCLING CATS A/B/C MDA 620/HAA 486. CHANGE ALTIMETER NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SMITHFIELD ALTIMETER SETTING AND INCREASE DA TO 510 FEET AND ALL MDA 60 FEET; INCREASE VISIBILITY LPV ALL CATS AND LNAV CAT C 1/4 MILE. THIS IS RNAV (GPS) RWY 23, ORIG-A.

FDC 1/9056 GWW FI/P GOLDSBORO-WAYNE MUNI, GOLDSBORO, NC. ILS OR LOC RWY 23, AMDT 1A... CIRCLING CATS A/B/C MDA 620/HAA 486. CHANGE ALTIMETER NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SMITHFIELD ALTIMETER SETTING AND INCREASE DA TO 390 FEET AND ALL MDA 60 FEET, INCREASE S-LOC 23 CAT C VISIBILITY TO 1 1/4. CHART NOTE: WHEN USING SMITHFIELD ALTIMETER SETTING INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 23 CAT C. THIS IS ILS OR LOC RWY 23, AMDT 1B.

FDC 1/9081 06N FI/P RANDALL, MIDDLETOWN, NY. NDB RWY 26, AMDT 1... ADD NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS NDB RWY 26, AMDT 1A.

FDC 1/9082 MKJ FI/P MOUNTAIN EMPIRE, MARION/WYTHEVILLE, VA. RNAV (GPS) RWY 26, ORIG... ADD NOTE: STRAIGHT-IN/CIRCLING MINIMUMS TO RWY 26 NA AT NIGHT. THIS IS RNAV (GPS) RWY 26, ORIG-A.

FDC 1/9088 I18 FI/P JACKSON COUNTY, RAVENSWOOD, WV. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1... NOTE: RWY 22, TREES BEGINNING 6 FT FROM DEPARTURE END OF RUNWAY, 135 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/803 FT MSL. TREES BEGINNING 231 FT FROM DEPARTURE END OF RUNWAY, 20 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/809 FT MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 1A.

FDC 1/9097 CNK FI/P BLOSSER MUNI, CONCORDIA, KS. GPS RWY 17, ORIG-A... S-17 CATS A/B MDA 1960/HAT 478 VDP AT 1.41 NM TO RW17 THIS IS GPS RWY 17, ORIG-B.

FDC 1/9221 C09 FI/P MORRIS MUNI - JAMES R. WASHBURN FIELD, MORRIS, IL. RNAV (GPS) RWY 18, ORIG... CIRCLING CAT B MDA 1200/HAA 616. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JOLIET ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. CHART NOTE: VDP NA WITH JOLIET ALTIMETER SETTING. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. THIS IS RNAV (GPS) RWY 18, ORIG-A.

FDC 1/9234 MTV FI/P BLUE RIDGE, MARTINSVILLE, VA. LOC RWY 30, AMDT 1... CHART FIX ULAKE AS ULAKE/I-UVM 17.8 DME (IF/IAF). THIS IS LOC RWY 30, AMDT 1A.

FDC 1/9352 LNK FI/P LINCOLN, LINCOLN, NE. ILS OR LOC RWY 36, AMDT 11E... S-ILS 36 CAT E DA 1375/HAT 200. VISIBILITY RVR 2400. S-LOC 36 CAT E MDA 1620/HAT 445. VISIBILITY RVR 5000. CIRCLING CAT E MDA 2040/HAA 821. VISIBILITY 3. CHANGE NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BEATRICE ALTIMETER SETTING AND INCREASE ALL DA 91 FEET AND ALL MDA 100 FEET, INCREASE S-LOC 36 CAT C VISIBILITY TO RVR 5000, CAT D TO RVR 6000, AND CAT E TO 1 1/2 MILES. CHART NOTE: WHEN ALS INOP, INCREASE S-ILS AND S-LOC CAT E VIS 1/4 MILE. CHART PLANVIEW NOTE: CAT E PROCEDURE TURN NA. CHANGE NOTE TO READ: FOR INOPERATIVE MALSR WHEN USING BEATRICE ALTIMETER SETTING, INCREASE S-ILS 36 ALL CATS VISIBILITY TO 1 MILE, S-LOC 36 CAT E VISIBILITY TO 2 MILE. ALTERNATE MINIMUMS: STANDARD, EXCEPT ILS: CAT D 700-2, CAT E 900-3; LOC CAT E 900-3 AND NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS ILS OR LOC RWY 36, AMDT 11F.

FDC 1/9358 VYS FI/P ILLINOIS VALLEY RGNL-WALTER A DUNCAN FIELD, PERU, IL. LOC RWY 36, AMDT 3A... CIRCLING CAT A MDA 1160/HAA 506. THIS IS LOC RWY 36, AMDT 3B.

FDC 1/9360 VYS FI/P ILLINOIS VALLEY RGNL-WALTER A DUNCAN FIELD, PERU, IL. RNAV (GPS) RWY 18, ORIG-A... CIRCLING CAT A MDA 1160/HAA 506. THIS IS RNAV (GPS) RWY 18, ORIG-B.

FDC 1/9362 VYS FI/P ILLINOIS VALLEY RGNL-WALTER A DUNCAN FIELD, PERU, IL. RNAV (GPS) RWY 36, ORIG-A... LNAV MDA 1120/HAT 472 ALL CATS. VISIBILITY CAT C 1 1/4, CAT D 1 1/2 CIRCLING CAT A MDA 1160/HAA 506 CHART VDP AT 1.36 NM TO RW36 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO CAT C. THIS IS RNAV (GPS) RWY 36, ORIG-B.

FDC 1/9829 LGA FI/P LA GUARDIA, NEW YORK, NY. RNAV (RNP) Z RWY 22, ORIG ... RNP 0.30 DA DA 437/HAT 425, VISIBILITY RVR 5000 ALL CATS. RNP 0.30 DA (ASTERISK) DA 384/HAT 372, VISIBILITY RVR 4000 ALL CATS. DELETE NOTE: (ASTERISK) MISSED APPROACH REQUIRES MINIMUM CLIMB OF 310 FEET PER NM TO 700. CHART NOTE: (ASTERISK) MISSED APPROACH REQUIRES MINIMUM CLIMB OF 397 FEET PER NM TO 540. DELETE NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.30 (ASTERISK) VISIBILITY TO RVR 5000 AND RNP 0.30 TO RVR 6000. CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.30 (ASTERISK) VISIBILITY TO 1 1/4 MILE AND RNP 0.30 TO 1 3/8 MILE. THIS IS RNAV (RNP) Z RWY 22, ORIG A.

FDC 1/9964 POU FI/P DUTCHESS COUNTY, POUGHKEEPSIE, NY. VOR A, AMDT 11... DELETE NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTGOMERY ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET. CHART NOTE: CIRCLING TO RWY 15 NA AT NIGHT. CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 33 NA AT NIGHT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTGOMERY ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND CATS B/C/D VISIBILITY 1/4 MILE. THIS IS VOR A, AMDT 11A.

FDC 1/9965 POU FI/P DUTCHESS COUNTY, POUGHKEEPSIE, NY. RNAV (GPS) RWY 24, ORIG... DELETE PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CMK VOR/DME AIRWAY RADIALS 356 CW 057. DELETE PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HUO VOR/DME VIA V205-489 SOUTHBOUND. CHART NOTE: CIRCLING TO RWY 15 NA AT NIGHT. CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 33 NA AT NIGHT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HUO VOR/DME ON AIRWAY RADIALS 019 CW 145 AND AT CMK VOR/DME ON AIRWAY RADIALS 275 CW 090. THIS IS RNAV (GPS) RWY 24, ORIG-A.

FDC 1/9966 POU FI/P DUTCHESS COUNTY, POUGHKEEPSIE, NY. VOR/DME RWY 24, AMDT 4A... CHART NOTE: CIRCLING TO RWY 15 NA AT NIGHT. CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 33 NA AT NIGHT. THIS IS VOR/DME RWY 24, AMDT 4B.