

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 10-04

January 8, 2010

**PREPARED BY THE NATIONAL FLIGHT DATA CENTER, AJR-321
(AVAILABLE ON THE WEB AT [HTTP://NFDC.FAA.GOV](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 previously published in Transmittal
Letters 10-01 and 10-02:**

Minneapolis, MN, Airlake, ILS OR LOC RWY 30, Orig-D
Minneapolis, MN, Minneapolis-St Paul Intl/Wold Chamberlain, CONVERGING ILS RWY
35, Amdt 2
Minneapolis, MN, Minneapolis-St Paul Intl/Wold Chamberlain, ILS OR LOC RWY 30R,
Amdt 13
Clintonville, WI, Clintonville Muni, RNAV (GPS) RWY 22, Amdt 1
Bluefield, WV, Mercer County, VOR/DME RWY 23, Amdt 5

**The following procedure was published in TL 10-03 and is hereby rescinded in its
entirety:**

Elim, AK, Elim, ELIM ONE Graphic Obstacle DP

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES				MISSED APPROACH													
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.10 MILES AFTER LAAKE OM/INT CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2800 DIRECT FGT VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 3000 VIA HEADING 294 AND GEP R-182 TO LYDIA INT/32.57 DME AND HOLD S, RT, 002.00 INBOUND. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD E, LT, 265.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD S LYDIA INT/32.57 DME, RT, 002.00 INBOUND. CHART FAS OBST: 1139 TREE 443515N/0930843W CHART IN PLANVIEW: LYDIA INT/32.57 DME.													
FGT VORTAC	LAAKE OM/INT	127.24 / 3.85	2700														
This is a corrected copy of a procedure published in TL 10-01, dated 11.27.2009 *** Changed Line 4 Min. Alt. FROM : "FGT VORTAC 2700" TO "LAAKE OM/INT 2700" ***																	
1. PT <u>R</u> SIDE OF COURSE <u>114.43</u> OUTBOUND <u>2700</u> FT WITHIN <u>10</u> MILES OF <u>LAAKE OM</u> (IAF) 2. _____ 3. FAC: <u>294.43</u> FAF: <u>LAAKE OM/INT</u> DIST FAF TO MAP: <u>5.10</u> THLD: <u>5.10</u> 4. MIN. ALT: <u>LAAKE OM/INT 2700</u> 5. DIST TO THLD FROM OM: <u>5.10</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>678</u> 6. MIN GS INCPT: <u>2700</u> GS ALT AT: <u>GS INTCP</u> OM: <u>2615</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>36.7</u> 8. MSA FROM: <u>FGT VORTAC 3500</u>				MAG VAR: 3E EPOCH YEAR: 1995													
MINIMUMS																	
TAKEOFF: ☒ STANDARD ☐ SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: ☐ N A ☒ X													
CATEGORY =====>	A			B			C			D			E				
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
S-ILS 30	1208	3/4	250	1208	3/4	250	1208	3/4	250	1208	3/4	250					
S-LOC 30	1400	3/4	442	1400	3/4	442	1400	3/4	442	1400	1	442					
CIRCLING	1500	1	540	1500	1	540	1500	1	540	1520	2	560					
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC CATS A AND B VISIBILITY TO 1.																	
CITY AND STATE MINNEAPOLIS, MN				ELEVATION: 960 TDZE: 958 AIRPORT NAME: AIRLAKE				FACILITY IDENTIFIER: I-LVN				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 30, ORIG-D 11 FEB 2010				SUP:	
																AMDT: ORIG-C	
																DATED 03/12/2009	



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA
JAMEZ/I-BMA 19.75 DME/RADAR (IF)	OBERR INT/I-BMA 16.88 DME/RADAR	348.54 / 2.87 (I-BMA)	6000*	CLIMBING LEFT TURN TO 5000 VIA HEADING 240 AND GEP R-182 TO LYDIA INT/GEP 32.57 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMBING LEFT TURN TO 5000 VIA HEADING 180 AND FGT R-258 TO LYDIA INT/FGT 12.80 DME AND HOLD W, RT, 77.97 INBOUND. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD S, RT, 002.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD W LYDIA INT/FGT 12.80 DME, RT, 077.97 INBOUND. CHART LOC RWY 30R. CHART LOC RWY 30L. CHART: FGT R-258/12.80 DME AT LYDIA
OBERR INT/I-BMA 16.88 DME/RADAR	SSTAR INT/I-BMA 13.97 DME/RADAR	348.54 / 2.91 (I-BMA)	5000*	
SSTAR INT/I-BMA 13.97 DME/RADAR	ROZEE INT/I-BMA 11.01 DME/RADAR	348.54 / 2.96 (I-BMA)	4000*	
ROZEE INT/I-BMA 11.01 DME/RADAR	LORAH INT/I-BMA 8.00 DME/RADAR	348.54 / 3.01 (I-BMA)	3000	

This is a corrected copy of a procedure published in TL 10-02, dated 12.11.2009.

*** Change Alt. MA Holding Fix Description FROM: '/GEP 32.57 DME' TO: '/FGT 12.80 DME.' ***

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT JAMEZ
- FAC: 348.54 FAF: DIST FAF TO MAP: THLD:
- MIN. ALT: JAMEZ 7000*, OBERR 6000*, SSTAR 5000*, ROZEE 4000*
- DIST TO THLD FROM OM: MM: IM: 1021 150 HAT: 100 HAT: GS ANT: 938
- MIN GS INCP: 3000 GS ALT AT: LORAH INT/I-BMA 8.00 DME/RADAR OM: MM: IM: 937
- GS ANGLE: 3.00 TCH: 52.8
- MSA FROM: GEP VORTAC 180-270 2700, 270-180 3500

MAG VAR: 1E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	X											
CATEGORY	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 35	1684	3	850	1684	3	850	1684	3	850	1684	3	850				

NOTES:
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
 CHART PLANVIEW NOTE: RADAR REQUIRED
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
 CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000 OR 7000.
 SEE 8260-10

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 841 TDZE: 834 AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	FACILITY IDENTIFIER: I-BMA	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: CONVERGING ILS RWY 35, AMDT 2, 02/11/2010 11 FEB 2010	SUP: AMDT: 1A DATED 12/18/2008

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

CHART NOTE: NO AUTOLAND ON CONVERGING ILS RWY 35.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH CONVERGING ILS RWY 30L AND CONVERGING ILS RWY 30R.



CITY AND STATE

MINNEAPOLIS, MN

ELEVATION: 841

TDZE: 834

AIRPORT NAME:

MINNEAPOLIS-ST PAUL INTL/WOLD-
CHAMBERLAINFACILITY
IDENTIFIER:

I-BMA

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

CONVERGING ILS RWY 35, AMDT 2, 02/11/2010

11 FEB 2010

SUP:

AMDT: 1A

DATED: 12/18/2008

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 6.55 MILES AFTER JACKO INT/6.72 DME OR AT I-INN 0.19 DME FIX CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 4000 VIA HEADING 040 AND GEP VORTAC R-085 TO WHISK INT/GEP 17.46 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 5500 VIA HEADING 060 AND FGT VORTAC R-011 TO WHISK INT/31.95 DME AND HOLD N. RT, 191.00 INBOUND. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD E, RT, 265.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N WHISK INT/FGT 31.95 DME, RT, 191.00 INBOUND. CHART FAS OBST: 1111 TANK 445208N/0930852W CHART VDP AT 1.58 DME*; DISTANCE VDP TO THLD 1.41 MILES. * LOC ONLY CHART IN PLANVIEW: WHISK INT/31.95 DME.											
GROVZ INT/18.46 DME (IAF)	WULAM INT/15.59 DME	300.34 / 2.87 (I-INN)	6000**												
WULAM INT/15.59 DME	BONNA INT/12.68 DME	300.34 / 2.91 (I-INN)	5000**												
BONNA INT/12.68 DME (IF)	SAMMZ INT/9.72 DME	300.34 / 2.96 (I-INN)	4000**												
SAMMZ INT/9.72 DME	JACKO INT/6.72 DME	300.34 / 3.00 (I-INN)	3000												
This is a corrected copy of a procedure published in TL 10-02, dated 12.11.2009. *** Change Alternate MA Holding *** FROM: HOLD N WHISK INT/GEP 17.48 DME, RT, 191.00 INBOUND TO: HOLD N WHISK INT/FGT 31.95 DME, RT, 191.00 INBOUND.															
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT GROVZ 3. FAC: <u>300.34</u> FAF: <u>JACKO INT/6.72 DME</u> DIST FAF TO MAP: <u>6.55</u> THLD: <u>6.55</u> 4. MIN. ALT: <u>GROVZ 7000, WULAM 6000**, BONNA 5000**, SAMMZ 4000**, JACKO 3000, CIJOT/2.17 DME 1500*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>1025</u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>JACKO INT/6.72 DME 3000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 8. MSA FROM: <u>GEP VORTAC 180-270 2700, 270-180 3500</u>				MAG VAR: 1E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: #	LOC: STANDARD @									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 30R	1073	4000	250	1073	4000	250	1073	4000	250	1073	4000	250	1073	4000	250
S-LOC 30R	1500	5000	677	1500	5000	677	1500	2	677	1500	2 1/4	677	1500	2 1/2	677
CIRCLING	1500	1	659	1500	1	659	1500	2	659	1500	2 1/4	659	1660	3	819
DME MINIMUMS															
S-LOC 30R	1340	5000	517	1340	5000	517	1340	1 1/2	517	1340	1 3/4	517	1340	1 3/4	517
CIRCLING	1360	1	519	1360	1	519	1360	1 1/2	519	1460	2	619	1660	3	819
NOTES: CHART PLANVIEW NOTE: RADAR REQUIRED CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. *LOC ONLY CHART PROFILE NOTE: **WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 4000 OR 5000 OR 6000.															
CITY AND STATE MINNEAPOLIS, MN		ELEVATION: 841 TDZE: 823 AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN		FACILITY IDENTIFIER: I-INN		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 30R, AMDT 13, 02/11/2010 11 FEB 2010				SUP:					
										AMDT: 12					
										DATED 04/10/2008					

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.			
TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW22 CLIMB TO 3000 DIRECT HIDEV AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 044.55 INBOUND. CHART FAS OBST: 936 TREE 443652N/0884246W DISTANCE TO THLD FROM 362 HAT: 1.03 NM. WAAS CHANNEL # 40316 REFERENCE PATH ID: W22A			
CHURP	ICUKE (FB)	068.69 / 14.52	3000				
GRB VORTAC	HIVOG (FB)	308.67 / 14.31	3000				
HIVOG (IAF)	COPUV (NOPT) (FB)	314.85 / 5.00	3000				
ICUKE (IAF)	COPUV (NOPT) (FB)	134.73 / 5.00	3000				
COPUV (IF/IAF)	KANDD (FB)	224.79 / 6.05	2500				
This is a corrected copy of a procedure published in TL 10-02, dated 12.11.2009 *** Added FAF TO SDF RNP Value 0.30 (on page 4). ***							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE COPUV, RT, 224.79 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 224.73 FAF: KANDD DIST FAF TO MAP: 5.09 THLD: 5.09 4. MIN. ALT: COPUV 3000, KANDD 2500, FERV/1.70 NM TO RW22 1400* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: KANDD OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR 8. MSA FROM: RW22 2900							
				MAG VAR: 2W EPOCH YEAR: 1995			
MINIMUMS							
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @		
CATEGORY =====>	A		B		C		E
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA
LPV DA	1183	1 1/4	362	1183	1 1/4	362	NA
LNAV/VNAV DA	1236	1 1/2	415	1236	1 1/2	415	NA
LNAV MDA	1220	1	399	1220	1	399	NA
CIRCLING	1340	1	518	1340	1	518	NA
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING GREEN BAY ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10							
CITY AND STATE		ELEVATION: 822 TDZE: 821		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:	
CLINTONVILLE, WI		AIRPORT NAME:		RNAV (GPS) RWY 22, AMDT 1		AMDT: ORIG	
		CLINTONVILLE MUNI		11 FEB 2010		DATED 03/15/2007	

QUALITY
 6
 CHECKED

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

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NOTES CONT.

*LNAV ONLY

CHART NOTE: CIRCLING TO RWY 4-22 NA FOR CAT C.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON GRB VORTAC AIRWAY RADIALS 269 CW 002.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GREEN BAY ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FEET. INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.



CITY AND STATE CLINTONVILLE, WI	ELEVATION: 822 TDZE: 821 AIRPORT NAME: CLINTONVILLE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1 11 FEB 2010	SUP:
				AMDT: ORIG
				DATED: 03/15/2007

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

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

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCLI
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	443703.2780N
LTP/FTP LONGITUDE	0884331.5980W
LTP/FTP ELLIPSOIDAL HEIGHT	+02107
FPAP LATITUDE	443557.7600N
FPAP LONGITUDE	0884456.1200W
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	1744
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

AC307606

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02470
FPAP ORTHOMETRIC HEIGHT	+02470

CITY AND STATE

CLINTONVILLE, WI

ELEVATION: 822 TDZE: 821

AIRPORT NAME:

CLINTONVILLE MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, AMDT 1

11 FEB 2010

SUP:

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

[illegible]

CITY AND STATE CLINTONVILLE, WI	ELEVATION: 822 TDZE: 821 AIRPORT NAME: CLINTONVILLE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1 11 FEB 2010	SUP:
				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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

CITY AND STATE CLINTONVILLE, WI	ELEVATION: 822 TDZE: 821 AIRPORT NAME: CLINTONVILLE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1 11 FEB 2010	SUP:	
				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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

MAG VAR:

MINIMUMS

S-23	3440	1	598	3440	1	598	3440	1 1/2	598	3440	1 3/4	598			
CIRCLING	3440	1	583	3440	1	583	3560	2	703	3560	2 1/4	703			

NOTES:

CHART NOTE: CIRCLING NA SE OF RWY 5-23.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BECKLEY ALTIMETER SETTING AND INCREASE ALL MDA 460 FEET; INCREASE S-23 VISIBILITY CAT A 1/4 MILE, CAT B 1/2 MILE, CAT C 1 1/2 MILE, CAT SEE 8260-10

@ CAT D 800-2 1/4

NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
5
CHECKED

CITY AND STATE BLUEFIELD, WV	ELEVATION: 2857 TDZE: 2842	FACILITY IDENTIFIER: BLF	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 23, AMDT 5 11 FEB 2010	SUP VOR/DME OR GPS RWY 23
	AIRPORT NAME:			AMDT 4B
	MERCER COUNTY			DATE 12/22/2005

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - FAR PART 97.23

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

NOTES CONT.

D 1 1/4 MILE; INCREASE CIRCLING VISIBILITY CAT A 1/4 MILE, CAT B 1/2 MILE CAT C 1 MILE, CAT D 3/4 MILE.

CHART NOTE: VDP NA WHEN USING BECKLEY ALTIMETER SETTING.

QUALITY
5
CHECKED

CITY AND STATE

BLUEFIELD, WV

ELEVATION: 2857 TDZE: 2842

AIRPORT NAME:

MERCER COUNTY

FACILITY
IDENTIFIER:

BLF

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR/DME RWY 23, AMDT 5

11 FEB 2010

SUP: VOR/DME OR GPS
RWY 23

AMDT: 4B

DATED: 12/22/2005

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30705 Amdt. No 3356]

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

JAN 08 2010



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 11 FEB 2010

Enterprise, AL, Enterprise Muni, VOR RWY 5, Amdt 4
Chino, CA, Chino, ILS OR LOC RWY 26R, Amdt 8
Stockton, CA, Stockton Metropolitan, ILS OR LOC RWY 29R, Amdt 19
Avon Park, FL, Avon Park Executive, GPS RWY 4, Orig-A, CANCELLED
Avon Park, FL, Avon Park Executive, GPS RWY 9, Orig-A, CANCELLED
Avon Park, FL, Avon Park Executive, RNAV (GPS) RWY 5, Orig
Avon Park, FL, Avon Park Executive, RNAV (GPS) RWY 10, Orig
Titusville, FL, Space Coast Rgnl, RNAV (GPS) RWY 36, Orig-A
West Palm Beach, FL, Palm Beach Intl, RNAV (RNP) Z RWY 10L, Orig
West Palm Beach, FL, Palm Beach Intl, RNAV (RNP) Z RWY 14, Orig
West Palm Beach, FL, Palm Beach Intl, RNAV (RNP) Z RWY 28R, Orig
West Palm Beach, FL, Palm Beach Intl, RNAV (RNP) Z RWY 32, Orig
Kailua-Kona, HI, Kona Intl at Keahole, ILS OR LOC/DME RWY 17, Amdt 1
Kailua-Kona, HI, Kona Intl at Keahole, LOC RWY 17, Amdt 6B, CANCELLED
Clarion, IA, Clarion Muni, NDB RWY 14, Amdt 4
Clarion, IA, Clarion Muni, RNAV (GPS) RWY 14, Orig
Clarion, IA, Clarion Muni, RNAV (GPS) RWY 32, Orig
Clarion, IA, Clarion Muni, Takeoff Minimums and Obstacle DP, Amdt 1
Emmetsburg, IA, Emmetsburg Muni, NDB RWY 13, Amdt 3
Emmetsburg, IA, Emmetsburg Muni, NDB RWY 31, Amdt 3
Emmetsburg, IA, Emmetsburg Muni, RNAV (GPS) RWY 13, Orig
Emmetsburg, IA, Emmetsburg Muni, RNAV (GPS) RWY 31, Orig
Emmetsburg, IA, Emmetsburg Muni, Takeoff Minimums and Obstacle DP, Amdt 1
Forest City, IA, Forest City Muni, GPS RWY 33, Orig, CANCELLED
Forest City, IA, Forest City Muni, RNAV (GPS) RWY 33, Orig
Le Mars, IA, Le Mars Muni, GPS RWY 18, Orig-A, CANCELLED
Le Mars, IA, Le Mars Muni, RNAV (GPS) RWY 18, Orig
Le Mars, IA, Le Mars Muni, RNAV (GPS) RWY 36, Orig
Mapleton, IA, James G Whiting Memorial Field, Takeoff Minimums and
Obstacle DP, Amdt 1
Carbondale/Murphysboro, IL, Southern Illinois, ILS OR LOC RWY 18L, Amdt 13
Carbondale/Murphysboro, IL, Southern Illinois, NDB RWY 18L, Amdt 13
Carbondale/Murphysboro, IL, Southern Illinois, RNAV (GPS) RWY 36R, Orig
Carbondale/Murphysboro, IL, Southern Illinois, Takeoff Minimums and Obstacle DP, Orig
Greenville, IL, Greenville, GPS RWY 18, Orig, CANCELLED
Greenville, IL, Greenville, RNAV (GPS) RWY 18, Orig
Bardstown, KY, Samuels Field, GPS RWY 20, Amdt 1A, CANCELLED
Bardstown, KY, Samuels Field, RNAV (GPS) RWY 2, Orig
Bardstown, KY, Samuels Field, RNAV (GPS) RWY 20, Orig
Taunton, MA, Taunton Muni-King Field, NDB RWY 30, Amdt 5
Taunton, MA, Taunton Muni-King Field, RNAV (GPS) RWY 30, Orig
Allegan, MI, Padgham Field, RNAV (GPS) RWY 11, Orig

Allegan, MI, Padgham Field, RNAV (GPS) RWY 29, Orig
Allegan, MI, Padgham Field, Takeoff Minimums and Obstacle DP, Amdt 2
Minneapolis, MN, Minneapolis-St Paul Intl/Wold Chamberlain, RNAV (GPS) RWY 30L, Amdt 2
Wolf Point, MT, L.M.Clayton, Takeoff Minimums and Obstacle DP, Orig
Minot, ND, Minot Intl, RNAV (GPS) RWY 8, Orig
Minot, ND, Minot Intl, RNAV (GPS) RWY 26, Orig
Minot, ND, Minot Intl, VOR RWY 8, Amdt 11
Minot, ND, Minot Intl, VOR RWY 26, Amdt 13
Whitefield, NH, Mount Washington Rgnl, RNAV (GPS) Y RWY 10, Orig
Whitefield, NH, Mount Washington Rgnl, RNAV (GPS) Z RWY 10, Orig
Newark, NJ, Newark Liberty Intl, GLS RWY 11, Orig
Newark, NJ, Newark Liberty Intl, GLS RWY 22L, Orig
Newark, NJ, Newark Liberty Intl, GLS RWY 22R, Orig
Monticello, NY, Sullivan County Intl, RNAV (GPS) RWY 15, Orig
Monticello, NY, Sullivan County Intl, RNAV (GPS) RWY 33, Amdt 1
Ashland, OH, Ashland County, NDB RWY 19, Amdt 11
Ashland, OH, Ashland County, RNAV (GPS) RWY 19, Orig
Ashland, OH, Ashland County, VOR-A, Amdt 9
Athens/Albany, OH, Ohio University Snyder Field, RNAV (GPS) RWY 7, Amdt 1
Athens/Albany, OH, Ohio University Snyder Field, RNAV (GPS) RWY 25, Amdt 1
Athens/Albany, OH, Ohio University Snyder Field, Takeoff Minimums and Obstacle DP, Orig
Celina, OH, Lakefield, NDB RWY 8, Amdt 5
Celina, OH, Lakefield, RNAV (GPS) RWY 8, Orig
Celina, OH, Lakefield, RNAV (GPS) RWY 26, Orig
Celina, OH, Lakefield, Takeoff Minimums and Obstacle DP, Amdt 2
Celina, OH, Lakefield, VOR/DME RNAV OR GPS RWY 26, Amdt 6, CANCELLED
Lima, OH, Lima Allen County, ILS OR LOC RWY 28, Amdt 4
Lima, OH, Lima Allen County, NDB OR GPS RWY 9, Amdt 2A, CANCELLED
Lima, OH, Lima Allen County, RNAV (GPS) RWY 10, Orig
Lima, OH, Lima Allen County, RNAV (GPS) RWY 28, Amdt 1
Lima, OH, Lima Allen County, Takeoff Minimums and Obstacle DP, Amdt 1
Lima, OH, Lima Allen County, VOR RWY 28, Amdt 16
Ardmore, OK, Ardmore Downtown Executive, Takeoff Minimums and Obstacle DP, Amdt 2
Lawton, OK, Lawton-Ft Sill Rgnl, Takeoff Minimums and Obstacle DP, Orig
Collegeville, PA, Perkomen Valley, VOR RWY 9, Amdt 5, CANCELLED
Collegeville, PA, Perkomen Valley, VOR-A, Orig
Saluda, SC, Saluda County, RNAV (GPS) RWY 1, Orig
Saluda, SC, Saluda County, RNAV (GPS) RWY 19, Orig
Greeneville, TN, Greeneville-Greene County Muni, Takeoff Minimums and Obstacle DP, Amdt 3
Abilene, TX, Abilene Rgnl, ILS OR LOC RWY 35R, Amdt 7

Abilene, TX, Abilene Rgnl, LOC RWY 17R, Orig
Abilene, TX, Abilene Rgnl, LOC BC RWY 17L, Amdt 3D, CANCELLED
Brenham, TX, Brenham Muni, Takeoff Minimums and Obstacle DP, Amdt 1
Dumas, TX, Moore County, GPS RWY 19, Orig-A, CANCELLED
Dumas, TX, Moore County, RNAV (GPS) RWY 1, Orig
Dumas, TX, Moore County, RNAV (GPS) RWY 19, Orig
Dumas, TX, Moore County, Takeoff and Minimums and Obstacle DP, Orig
Henderson, TX, Rusk County, RNAV (GPS) RWY 17, Amdt 1
Hereford, TX, Hereford Muni, GPS RWY 20, Orig-A, CANCELLED
Hereford, TX, Hereford Muni, RNAV (GPS) RWY 2, Orig
Hereford, TX, Hereford Muni, RNAV (GPS) RWY 20, Orig
Hereford, TX, Hereford Muni, Takeoff and Minimums and Obstacle DP, Orig
Bridgewater, VA, Bridgewater Air Park, NDB OR GPS-A, Amdt 4B, CANCELLED
Bridgewater, VA, Bridgewater Air Park, RNAV (GPS) RWY 15, Orig
Bridgewater, VA, Bridgewater Air Park, RNAV (GPS) RWY 33, Orig
Olympia, WA, Olympia Rgnl, ILS OR LOC RWY 17, Amdt 11
Racine, WI, John H. Batten, NDB OR GPS RWY 4, Amdt 3B, CANCELLED
Racine, WI, John H. Batten, RNAV (GPS) RWY 4, Orig
Racine, WI, John H. Batten, RNAV (GPS) RWY 22, Orig
Racine, WI, John H. Batten, RNAV (GPS) RWY 32, Orig
Racine, WI, John H. Batten, Takeoff Minimums and Obstacle DP, Amdt 5
Racine, WI, John H. Batten, VOR RWY 4, Amdt 1
Racine, WI, John H. Batten, VOR/DME RNAV OR GPS RWY 22, Amdt 3A, CANCELLED
Stevens Point, WI, Stevens Point Muni, RNAV (GPS) RWY 12, Orig
Stevens Point, WI, Stevens Point Muni, RNAV (GPS) RWY 30, Orig
Stevens Point, WI, Stevens Point Muni, VOR/DME RWY 30, Amdt 18
West Bend, WI, West Bend Muni, Takeoff Minimums and Obstacle DP, Orig
Martinsburg, WV, Eastern WV Rgnl/Shepherd, ILS OR LOC RWY 26, Amdt 8
Moundsville, WV, Marshall County, RNAV (GPS) RWY 6, Orig-A
Spencer, WV, Boggs Field, RNAV (GPS) RWY 10, Orig-A
Spencer, WV, Boggs Field, RNAV (GPS) RWY 28, Orig-A
Cody, WY, Yellowstone Rgnl, Takeoff Minimums and Obstacle DP, Amdt 4

On December 28, 2009 (74 FR 68523) The FAA published an Amendment in Docket No. 30701; Amdt No. 3352 to Part 97 of the Federal Aviation Regulations under section 97.20. The following entries are hereby rescinded in their entirety:

Little River, CA, Little River, LITTLE RIVER ONE Graphic Obstacle DP
Little River, CA, Little River, Takeoff Minimums and Obstacle DP, Orig

On January 7, 2010 (75 FR 917) The FAA published an Amendment in Docket No. 30703; Amdt No. 3354 to Part 97 of the Federal Aviation Regulations under section 97.33. The following entries are hereby rescinded in their entirety:

Elim, AK, Elim, RNAV (GPS) RWY 1, Orig
Elim, AK, Elim, RNAV (GPS) RWY 19, Orig

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: EDN VOR
BVG NDB	EDN VOR	125.30 / 4.82	2000	CLIMBING LEFT TURN TO 2500 IN EDN VOR HOLDING PATTERN.
RRS VORTAC	EDN VOR	269.79 / 24.25	2000	
				ADDITIONAL FLIGHT DATA: HOLD SW, LT, 065.00 INBOUND. CHART FAS OBST: 459 TREE 311703N/0855657W CHART R-2103. CESVA TO RW05: 2.75/50 CHART: MAX 6000 AT EDN VOR FAC CROSSES RWY C/L EXTENDED 1128 FROM THLD.

1. PT L SIDE OF COURSE 245.00 OUTBOUND 1800 FT WITHIN 10 MILES OF EDN VOR (IAF)
 2. _____
 3. FAC 065.00 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT CESVA INT/RADAR 1500*
 8. MSA FROM: EDN VOR 3100

MAG VAR: 3W EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: ☐ STANDARD ☒ X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A ☒ X								
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-5	1500	1 1/4	1140	1500	1 1/2	1140	1500	3	1140		NA				
CIRCLING	1500	1 1/4	1139	1500	1 1/2	1139	1500	3	1139		NA				
CESVA INT/RADAR MINIMUMS															
S-5	780	1	420	780	1	420	780	1 1/4	420		NA				
CIRCLING	820	1	459	820	1	459	820	1 1/2	459		NA				

NOTES:

CHART NOTE: ADF OR RADAR REQUIRED.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE CAIRNS AAF (FORT RUCKER) ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.
 *1540 WHEN USING CAIRNS AAF (FORT RUCKER) ALTIMETER SETTING



CITY AND STATE ENTERPRISE, AL	ELEVATION: 361 TDZE: 360 AIRPORT NAME: ENTERPRISE MUNI	FACILITY IDENTIFIER: EDN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 5, AMDT 4 11 FEB 2010	SUP AMDT 3 DATE 05/12/2005

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.38 MILES AFTER DEWYE INT CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 4500 DIRECT RAL VOR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4500; OR WHEN DIRECTED BY ATC, CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 080 AND HDF VOR R-290 TO HDF VOR AND HOLD SE, RT, 315.37 INBOUND. ADDITIONAL FLIGHT DATA: HOLD E, RT, 263.86 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SE HOMELAND VOR, RT, 315.37 INBOUND. CHART FAS OBST: 808 TWR 335818N-1173537W CHART IN PLANVIEW: HOMELAND VOR.
PDZ VORTAC	CAZBY INT	051.85 / 9.08	4400	
HDF VOR (IAF)	CAZBY INT (NOPT)	309.78 / 14.97	4400	
CAZBY INT (IF/IAF)	LINDN INT	255.41 / 5.93 (I-CNO)	3000	
LINDN INT	DEWYE INT	255.41 / 3.07 (I-CNO)	2100	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE CAZBY, RT, 231.85 INBOUND, 4400 FT. IN LIEU OF PT (IAF)
- FAC: 255.41 FAF: DEWYE INT DIST FAF TO MAP: 4.38 THLD: 4.38
- MIN. ALT: CAZBY 4400, LINDN 3000, DEWYE 2100
- DIST TO THLD FROM OM: MM: 0.56 IM: 150 HAT: 100 HAT: GS ANT: 1030
- MIN GS INCPT: 2100 GS ALT AT: DEWYE INT 2100 OM: MM: 866 IM:
- GS ANGLE: 3.00 TCH: 51.0
- MSA FROM: PDZ VORTAC 015-105 9000, 105-195 7000, 195-285 5400, 285-015 11300

MAG VAR: 14E

EPOCH YEAR: 1980

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @						
CATEGORY =====>	-	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 26R	886	3/4	250	886	3/4	250	886	3/4	250	886	3/4	250				
S-LOC 26R	1060	1	424	1060	1	424	1060	1 1/4	424	1060	1 1/4	424				
CIRCLING	1180	1	530	1180	1	530	1180	1 1/2	530	1200	2	550				

NOTES:
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON HDF VOR AIRWAY RADIALS 257 CW 353.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ONTARIO ALTIMETER SETTING AND INCREASE ALL DA 54 FEET AND ALL MDA 60 FEET, AND INCREASE S-ILS 26R ALL CATS AND S-LOC 26R CAT D VISIBILITY 1/4 MILE.
 # @ NA WHEN CONTROL TOWER CLOSED.

QUALITY
6
CHECKED

CITY AND STATE CHINO, CA	ELEVATION: 650 TDZE: 636 AIRPORT NAME: CHINO	FACILITY IDENTIFIER: I-CNO	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 26R, AMDT 8 11 FEB 2010	SUP: AMDT: 7 DATED 01/18/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.34 MILES AFTER SC LOM CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 VIA HEADING 010 AND VIA ECA VORTAC R-317 TO ORANG INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2000; OR WHEN DIRECTED BY ATC, CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 1800 DIRECT SC LOM AND HOLD E, RT, 293.59 INBOUND; ADF REQUIRED. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 136.90 INBOUND. CHART FAS OBST: 69 POLE 375251N/1211314W CHART IN PLANVIEW: JOTLY LOM.
WRAPS INT	JOTLY LOM	250.52 / 16.78	2800	
ORANG INT	JOTLY LOM	132.10 / 10.96	2000	
ECA VORTAC	JOTLY LOM	076.71 / 1.72	2000	
LIN VORTAC	JOTLY LOM	186.24 / 15.84	2600	
HONEZ INT	DIJER INT	213.24 / 10.49 (MOD R-033)	2900	
DIJER INT (IAF)	SIMMS INT (NOPT)	293.59 / 8.17 (I-SCK)	2900	
MOD VOR/DME (IAF)	SIMMS INT (NOPT)	323.00 / 8.48 (ECA LR-112)	2900	
SIMMS INT (IF)	JOTLY LOM	293.59 / 7.01 (I-SCK)	1800	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE JOTLY LOM, RT, 293.59 INBOUND, 1800 FT. IN LIEU OF PT (IAF)
- FAC: 293.59 FAF: JOTLY LOM DIST FAF TO MAP: 5.34 THLD: 5.34
- MIN. ALT: JOTLY LOM 1800
- DIST TO THLD FROM OM: 5.34 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1233
- MIN GS INCPT: 1800 GS ALT AT: GS INTCP OM: 1766 MM: - IM: -
- GS ANGLE: 2.90 TCH: 61.4
- MSA FROM: SC LOM 070-160 2800, 160-250 5200, 250-340 3000, 340-070 4200

MAG VAR: 14E

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD					
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 29R	232	2400	200	232	2400	200	232	2400	200	232	2400	200			
S-LOC 29R	320	2400	288	320	2400	288	320	2400	288	320	4000	288			
CIRCLING	500	1	467	540	1	507	540	1 1/2	507	680	2	647			

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MODESTO ALTIMETER SETTING AND INCREASE ALL DA 58 FEET AND ALL MDA 60 FEET, INCREASE CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 29R CAT D VISIBILITY TO RVR5000

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

QUALITY
CHECKED

CITY AND STATE <u>STOCKTON, CA</u>	ELEVATION: 33 TDZE: 32 AIRPORT NAME: <u>STOCKTON METROPOLITAN</u>	FACILITY IDENTIFIER: <u>I-SCK</u>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <u>ILS OR LOC RWY 29R, AMDT 19</u> <u>11 FEB 2010</u>	SUP: AMDT: <u>18E</u> DATED <u>06/08/2006</u>

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

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

TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
CROWD (IAF)	FUPGE (NOPT) (FB)	142.08 / 19.55	3000	LPV: DA LNAV: RW05 CLIMB TO 3000 DIRECT HEGAV AND VIA TRACK 320.15 TO EVFAM AND LEFT TURN VIA TRACK 230.15 TO CISET AND VIA TRACK 170.60 TO FUPGE AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 207 POLE 273447N/0813227W DISTANCE TO THLD FROM 290 HAT: 0.72 NM. WAAS CHANNEL # 86716 REFERENCE PATH ID: W05A CHART: R-2901 A&B								
RINSE (IAF)	FUPGE (NOPT) (FB)	339.40 / 14.75	3000									
FUPGE (IF/IAF)	PUBPO (FB)	050.07 / 7.80	2000									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SW FUPGE, RT, 050.07 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 050.12 FAF: PUBPO DIST FAF TO MAP: 5.50 THLD: 5.50 4. MIN. ALT: FUPGE 3000, PUBPO 2000 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 2000 GS ALT AT: PUBPO 2000 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 60.0 34:1 IS NOT CLEAR 8. MSA FROM: RW05 2300				MAG VAR: 5W EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	450	1	290	450	1	290		NA			NA	
LNAV MDA	460	1	300	460	1	300		NA			NA	
CIRCLING	680	1	520	680	1	520		NA			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 CROWD VIA V7 NORTHBOUND AND V509 WESTBOUND. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. SEE 8260-10												
CITY AND STATE			ELEVATION: 160 TDZE: 160		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:		
AVON PARK, FL			AIRPORT NAME:		RNAV		RNAV (GPS) RWY 5, ORIG			AMDT: NONE		
			AVON PARK EXECUTIVE				11 FEB 2010			DATED		

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORLANDO INTL ALTIMETER SETTING;
INCREASE DA TO 578 FEET AND VISIBILITY CAT A/B 1/2 MILE. INCREASE ALL MDA 140 FEET.

QUALITY
2
CHECKED

CITY AND STATE AVON PARK, FL	ELEVATION: 160 TDZE: 160 AIRPORT NAME: AVON PARK EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KAVO
RUNWAY RW05
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W05A
LTP/FTP LATITUDE 273504.1345N
LTP/FTP LONGITUDE 0813206.4985W
LTP/FTP ELLIPSOIDAL HEIGHT +00230
FPAP LATITUDE 273607.1400N
FPAP LONGITUDE 0813055.4000W
THRESHOLD CROSSING HEIGHT (TCH) 00060.0
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) 50.0

CRC REMAINDER

6E8359C2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00489
FPAP ORTHOMETRIC HEIGHT +00489

QUALITY
2
CHECKED

CITY AND STATE AVON PARK, FL	ELEVATION: 160 TDZE: 160 AIRPORT NAME: AVON PARK EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KAVOK7FR05	ACROWD	010CROWDK7EA0E	A	IF						18000		A JS	
SUSAP KAVOK7FR05	ACROWD	020FUPGEK7EA0EE	B	010TF		14210196		+ 03000				A JS	
SUSAP KAVOK7FR05	AFUPGE	010FUPGEK7EA0EE	AR	HF		05010040		+ 03000		18000		A JS	
SUSAP KAVOK7FR05	ARINSE	010RINSEK7EA0E	A	IF						18000		A JS	
SUSAP KAVOK7FR05	ARINSE	020FUPGEK7EA0EE	B	010TF		33940148		+ 03000				A JS	
SUSAP KAVOK7FR05	R	010FUPGEK7EA0E	I	IF				+ 03000		18000		A JS	
SUSAP KAVOK7FR05	R	020PUBPOK7EA1E	F	051TF		05010078		+ 02000			RW05	K7PGA JS	
SUSAP KAVOK7FR05	R	020PUBPOK7EA2WALPV			N	ALNAV						JS	
SUSAP KAVOK7FR05	R	030RW05 K7PG0GY	M	031TF		05010055		00220		-300		A JS	
SUSAP KAVOK7FR05	R	040HEGAVK7EA0E	M	010DP								A JS	
SUSAP KAVOK7FR05	R	050EVFAMK7EA0E		010TF		3202						A JS	
SUSAP KAVOK7FR05	R	060CISETK7EA0E		L01CTFY		2302						A JS	
SUSAP KAVOK7FR05	R	070FUPGEK7EA0EY		010TF		1706		+ 03000				A JS	
SUSAP KAVOK7FR05	R	080FUPGEK7EA0EE		R020HM		05010040		+ 03000				A JS	

[illegible]

QUALITY
CHECKED

CITY AND STATE AVON PARK, FL	ELEVATION: 160 TDZE: 160 AIRPORT NAME: AVON PARK EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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[illegible]

QUALITY
6
CHECKED

CITY AND STATE AVON PARK, FL	ELEVATION: 160 TDZE: 160	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME:			AMDT: NONE
	AVON PARK EXECUTIVE			DATED:

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CROWD	CROWD	010	IAF	IF		FB				
	CROWD	FUPGE	020	IF	TF		FB	1.0	142.1 (137T)	019.6	03000
	FUPGE	FUPGE	010	IAF	HF	R	FO		050.1 (045T)	004.0	03000
	RINSE	RINSE	010	IAF	IF		FB				
	RINSE	FUPGE	020	IF	TF		FB	1.0	339.4 (334T)	014.8	03000
		FUPGE	010	FACF	IF		FB				03000
		PUBPO	020	PAF	TF		FB	0.5	050.1 (045T)	007.8	02000
		RW05	030	MAP	TF		FO	0.3	050.1 (045T)	005.5	00220

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HEGAV	040		DF		FB	1.0			
	EVFAM	050		TF		FB	1.0	320.2 (315T)		
	CISET	060		TF	L	FB	1.0	230.2 (225T)		
	FUPGE	070		TF		FO	1.0	170.6 (166T)		03000
	FUPGE	080		HM	R	FO	2.0	050.1 (045T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CISET	N273804.13	W0814616.92	N2738.069	W08146.282
	CROWD	N274001.46	W0815740.19	N2740.024	W08157.670
	EVFAM	N274633.64	W0813642.19	N2746.561	W08136.703
	FUPGE	N272539.16	W0814242.53	N2725.653	W08142.709
	HEGAV	N273844.72	W0812757.43	N2738.745	W08127.957
	PUBPO	N273110.50	W0813629.85	N2731.175	W08136.498
	RINSE	N271218.85	W0813532.79	N2712.314	W08135.547
	RW05	N273504.13	W0813206.50	N2735.069	W08132.108

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	
RW05	00160	60

QUALITY
6
CHECKED

CITY AND STATE AVON PARK, FL	ELEVATION: 160 TDZE: 160	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME: AVON PARK EXECUTIVE			AMDT: NONE
				DATED:

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

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW10			
CROWD (IAF)	OMIGE (NOPT) (FB)	117.12 / 11.60	3000	CLIMBING RIGHT TURN 3000 DIRECT FUPGE AND HOLD.			
DOWNN (IAF)	OMIGE (NOPT) (FB)	003.15 / 4.98	3000				
OMIGE (IF/IAF)	HIKZE (FB)	095.06 / 6.43	2000				
				ADDITIONAL FLIGHT DATA: HOLD SW, RT, 050.07 INBOUND. CHART FAS OBST: 279 TREE 273606N0813145W CHART R-2901 A&B. HIKZE TO RW10: 3.05/45.			
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W OMIGE, RT, 095.06 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 095.11 FAF: HIKZE DIST FAF TO MAP: 5.57 THLD: 5.57 4. MIN. ALT: OMIGE 3000, HIKZE 2000 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: 34:1 IS CLEAR 8. MSA FROM: RW10 2300							
				MAG VAR: 5W EPOCH YEAR: 2010			
MINIMUMS							
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X		
CATEGORY =====>	A		B		C		E
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA
LNAV MDA	640	1	486	640	1	486	NA
CIRCLING	680	1	520	680	1	520	NA
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CROWD VIA V7 NORTHBOUND AND V509 WESTBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DOWNN VIA V157-521 SOUTHEAST BOUND. SEE 8260-10							
CITY AND STATE	ELEVATION: 160 TDZE: 154		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:
AVON PARK, FL	AIRPORT NAME: AVON PARK EXECUTIVE				RNAV (GPS) RWY 10, ORIG 11 FEB 2010		AMDT: NONE
							DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

CHART PROFILE NOTE: VGSi AND DESCENT ANGLES NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORLANDO INTL. ALTIMETER SETTING;
INCREASE ALL MDA 140 FEET.

CITY AND STATE

AVON PARK, FL

ELEVATION: 160 TDZE: 154

AIRPORT NAME:

AVON PARK EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

QUALITY
CHECKED

CITY AND STATE AVON PARK, FL	ELEVATION: 160 TDZE: 154	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME:			AMDT: NONE
	AVON PARK EXECUTIVE			DATED:

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CROWD	CROWD	010	IAP	IF		FB				
	CROWD	OMIGE	020	IF	TF		FB	1.0	117.1 (112T)	011.6	03000
	DOWNN	DOWNN	010	IAP	IF		FB				
	DOWNN	OMIGE	020	IF	TF		FB	1.0	003.2 (358T)	005.0	03000
	OMIGE	OMIGE	010	IAP	HF	R	FO		095.1 (090T)	004.0	03000
		OMIGE	010	PACF	IF		FB				03000
		HIKZE	020	PAF	TF		FB	0.5	095.1 (090T)	006.4	02000
		RW10	030	MAP	TF		FO	0.3	095.1 (090T)	005.6	00198

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FUPGE	040		DF	R	FO	1.0			03000
	FUPGE	050		HM	R	FO	2.0	050.1 (045T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CROWD	N274001.46	W0815740.19	N2740.024	W08157.670
	DOWNN	N273038.76	W0814523.68	N2730.646	W08145.395
	FUPGE	N272539.16	W0814242.53	N2725.653	W08142.709
	HIKZE	N273537.61	W0813820.40	N2735.627	W08138.340
	OMIGE	N273538.18	W0814534.55	N2735.636	W08145.576
	RW10	N273536.82	W0813204.18	N2735.614	W08132.070

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW10	00153		45

QUALITY
1
CHECKED

CITY AND STATE AVON PARK, FL	ELEVATION: 160 TDZE: 154	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME: AVON PARK EXECUTIVE			AMD'T: NONE
	DATED:			

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
DEARY (IAF)	AWINY (FB)	035.73 / 12.60	3000	LPV: DA LNAV: RW36 CLIMB TO 1600 DIRECT YERRU AND VIA TRACK 329.07 TO KYTEE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 139.45 INBOUND. CHART FAS OBST: 326 TOWER 282923N/0804704W CHART R-2934. DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.72 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 69313 REFERENCE PATH ID: W36A								
AWINY (IF)	LILAZ (FB)	004.13 / 7.44	2000									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT AWINY 3. FAC: <u>004.13</u> FAF: <u>LILAZ</u> DIST FAF TO MAP: <u>5.90</u> THLD: <u>5.90</u> 4. MIN. ALT: <u>AWINY 3000, LILAZ 2000</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>LILAZ</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>57.5</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW36 3000</u>				MAG VAR: <u>5W</u> EPOCH YEAR: <u>2000</u>								
MINIMUMS												
TAKEOFF: <u> </u> STANDARD <u>X</u> SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: <u>NA</u> STANDARD @ <u> </u>								
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	234	1/2	200	234	1/2	200	234	1/2	200	234	1/2	200
LNAV MDA	640	1/2	606	640	1/2	606	640	1 1/4	606	640	1 1/2	606
CIRCLING	640	1	606	640	1	606	640	1 3/4	606	640	2	606
MELBOURNE ALTIMETER SETTING MINIMUMS												
LPV DA	294	1/2	260	294	1/2	260	294	1/2	260	294	1/2	260
LNAV MDA	700	1/2	666	700	1/2	666	700	1 1/4	666	700	1 1/2	666
CIRCLING	700	1	666	700	1	666	700	1 3/4	666	700	2	666
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AWINY VIA V437 SOUTHEAST BOUND AND ARRIVALS AT DEARY VIA V441 WESTBOUND. CHART NOTE: WHEN CONTROL TOWER CLOSED, USE MELBOURNE ALTIMETER SETTING. CHART NOTE: VDP NA WHEN USING MELBOURNE ALTIMETER SETTING.												
CITY AND STATE		ELEVATION: 34 TDZE: 34		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
TITUSVILLE, FL		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 36, ORIG-A		AMDT: ORIG				
		SPACE COAST REGIONAL				11 FEB 2010		DATED 10/22/2009				

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTIX
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	283016.1605N
LTP/FTP LONGITUDE	0804747.5930W
LTP/FTP ELLIPSOIDAL HEIGHT	-00178
FPAP LATITUDE	283128.6200N
FPAP LONGITUDE	0804748.8400W
THRESHOLD CROSSING HEIGHT (TCH)	00057.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

59E40F03

ADDITIONAL PATH POINT RECORD INFORMATION

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

QUALITY
6
CHECKED

CITY AND STATE
TITUSVILLE, FL

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

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, ORIG-A
11 FEB 2010

SUP:	
AMDT:	ORIG
DATED:	10/22/2009

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KTIXK7FR36	ADEARY	010DEARYK7EA0E	A	IF						18000		A JS	
SUSAP KTIXK7FR36	ADEARY	020AWINYK7EA0EE	B	010TF			03570126	+	03000			A JS	
SUSAP KTIXK7FR36	R	010AWINYK7EA0E	I	IF				+	03000	18000		A JS	
SUSAP KTIXK7FR36	R	020LILAZK7EA1E	F	051TF			00410074	+	02000		RW36	K7PGA JS	
SUSAP KTIXK7FR36	R	020LILAZK7EA2WALPV			N	ALNAV						JS	
SUSAP KTIXK7FR36	R	030RW36 K7PG0GY	M	031TF			00410059		00091	-300		A JS	
SUSAP KTIXK7FR36	R	040	0	M 010CA			0041	+	00234			A JS	
SUSAP KTIXK7FR36	R	050YERRUK7EA0E		010DF								A JS	
SUSAP KTIXK7FR36	R	060KYTEEK7EA0EY		010TF			3291	+	01600			A JS	
SUSAP KTIXK7FR36	R	070KYTEEK7EA0EE		R020HM			13950040	+	01600			A JS	

[illegible][illegible]

QUALITY
6
CHECKED

CITY AND STATE TITUSVILLE, FL	ELEVATION: 34 TDZE: 34 AIRPORT NAME: SPACE COAST REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG-A 11 FEB 2010	SUP:	
				AMDT:	ORIG
				DATED:	10/22/2009

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QUALITY
6
CHECKED

CITY AND STATE TITUSVILLE, FL	ELEVATION: 34 TDZE: 34 AIRPORT NAME: SPACE COAST REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG-A 11 FEB 2010	SUP:	
				AMDT:	ORIG
				DATED:	10/22/2009

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DEARY	DEARY	010	IAF	IF		FB				
	DEARY	AWINY	020	IF	TF		FB	1.0	035.7 (031T)	012.6	03000
		AWINY	010	FACF	IF		FB				03000
		LILAZ	020	PAF	TF		FB	0.5	004.1 (359T)	007.4	02000
		RW36	030	MAP	TF		FO	0.3	004.1 (359T)	005.9	00091

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	004.1 (359T)		00234
	YERRU	050		DF		FB	1.0			
	KYTEE	060		TF		FO	1.0	329.1 (324T)		01600
	KYTEE	070		HM	R	FO	2.0	139.5 (135T)	004.0	01600

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

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	00034	58

QUALITY
CHECKED

CITY AND STATE
TITUSVILLE, FL

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

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 36, ORIG-A
 11 FEB 2010

SUP:
 AMDT: ORIG
 DATED: 10/22/2009

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
FRWAY (IAF) (40E) (43A)	ENDUW (TF) (FB) (RNP1.00) (40E)	223.68/5.00	5000	MAP: DA			
ENDUW (40E)	SANZZ (TF) (FB) (RNP 1.00) (40E)	223.83/6.02	4000				
SANZZ (IF) (40E)	JAYED (TF) (FB) (RNP 0.50) (40E)	263.21/4.67	4000	CLIMB TO 2000 VIA TRACK 098.75 TO JUTAS AND VIA RIGHT TURN TO ODKEY AND VIA TRACK 249.05 TO UGLEE AND HOLD.			
JAYED (40E)	SHDEE (TF) (FB) (RNP 0.50) (40E)	258.75/2.00	4000				
SHDEE (40E)	ZISUR (RF) (FB) (RNP 0.50) (40E) (41E) (43F)	(2.80 NM RADIUS CCW UBMEF) 7.82	2000	ADDITIONAL FLIGHT DATA: HOLD W, RT, 095.73 INBOUND CHART FAS OBST: 59 LT POLE 264054N/0800644W DISTANCE TO THLD FROM 304 HAT: 0.74 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S # TCH 67.2 MSL (DO NOT CHART) CHART MANDATORY ALTITUDE: 5,000 AT ENDUW, FRWAY AND GULLO, 4,000 AT SANZZ.			
GULLO (IAF) (40E) (43A)	WILBA (TF) (FB) (RNP 1.00) (40E)	099.41/8.10	3600				
WILBA (IF) (40E)	ZISUR (TF) (FB) (RNP 1.00) (40E) (41E) (43F)	098.68/6.00	2000				
CONTINUED ON PAGE 2							

1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)		ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S # TCH 67.2 MSL (DO NOT CHART) CHART MANDATORY ALTITUDE: 5,000 AT ENDUW, FRWAY AND GULLO, 4,000 AT SANZZ. MAG VAR: 6W EPOCH YEAR: 2010
2. PROFILE STARTS AT ZISUR		
3. FAC: <u>098.73</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u>		
4. MIN. ALT: <u> </u>		
5. DIST TO THLD FROM OM: <u>5.97</u> MM: <u> </u> IM: <u>150</u> HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>		
6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>ZISUR 2000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>		
7. GS ANGLE: <u>3.00</u> TCH: <u>47.9#</u> 34:1 IS CLEAR		
8. MSA FROM: <u>RW10L 2600</u>		

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD											
CATEGORY ==>	A			B			C			D			E			
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.11 DA	304	2400	285	304	2400	285	304	2400	285	304	2400	285			
RNP 0.30 DA	397	4000	378	397	4000	378	397	4000	378	397	4000	378			

NOTES: CHART NOTES: RF AND GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 3C (38F) OR A ABOVE 48C (120F). CHART PLANVIEW NOTE AT SHDEE: MAX 180 KIAS. CHART PLANVIEW NOTE AT FRWAY: (RNP 0.50). CHART PROFILE NOTES: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. SEE PLANVIEW FOR MULTIPLE IF LOCATIONS. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 5000 AND RNP 0.30 ALL CATS VISIBILITY TO RVR 6000.

CITY AND STATE WEST PALM BEACH, FL	ELEVATION: 19 TDZE: 19	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 11 FEB 2010 RNAV (RNP) Z RWY 10L, ORIG	SUP: <u> </u>
	AIRPORT NAME: PALM BEACH INTL			AMDT: NONE
				DATE: <u> </u>

QUALITY
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CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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TERMINAL ROUTES (CONTINUED FROM PAGE 1)

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
ZISUR (FAF) (40E) (43F)	RW10L (TF) (FO) (40G) (41Y) (43M)	098.73/5.97	
RW10L (MAP) (40G) (41Y) (43M)	JUTAS (TF) (FB) (RNP 1.00) (40E) (42M)	098.75/6.35	
JUTAS (40E) (42M)	ODKEY (RF) (FB) (RNP 1.00) (40E)	(4.50 NM RADIUS CW UHCOJ) /11.80	
ODKEY (40E)	UGLEE (TF) (FO) (RNP 1.00) (40E) (41Y)	249.05/8.97	2000

QUALITY
6
CHECKED

CITY AND STATE WEST PALM BEACH, FL	ELEVATION:	19 TDZE:	19	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 11 FEB 2010 RNAV (RNP) Z RWY 10L, ORIG	SUP:	
	AIRPORT NAME:	PALM BEACH INTL				AMDT:	NONE
			DATED:				

U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH											
FROM	T O	COURSE AND DISTANCE	ALTITUDE	MAP: DA											
FRWAY (IAF) (40E) (43A)	OBTEE (TF) (FB) (RNP 1.00) (40E)	223.60/3.48	5000	(DO NOT EXCEED 200 KIAS UNTIL VNDAL) CLIMB TO 2000 VIA TRACK 141.18 TO ICZAY AND VIA RIGHT TURN TO VNDAL AND VIA TRACK 275.27 TO LANCH AND HOLD.											
OBTEE (40E)	INEVY (TF) (FB) (RNP 1.00) (40E)	223.84/3.77	4000												
INEVY (IF) (40E)	SANZZ (TF) (FB) (RNP 1.00) (40E)	223.82/3.77	3000	ADDITIONAL FLIGHT DATA: HOLD S, RT, 009.00 INBOUND CHART FAS OBST: 80 TREE 264144N/0800636W CHART 88 TREE 264141N/0800634W DISTANCE TO THLD FROM 303 HAT: 0.79 ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S #TCH 68.1 MSL (DO NOT CHART) CHART MANDATORY ALTITUDE: 5000 AT GULLO, FRWAY, 4000 AT INEVY, 3000 AT SANZZ.											
SANZZ (40E)	XAGRY (TF) (FB) (RNP 0.30) (40E)	248.15/1.65	2500												
XAGRY (40E)	ZABTA (RF) (FB) (RNP 0.30) (40E) (41E) (43F)	(2.40 NM RADIUS CCW XACDY) /4.48	1100												
GULLO (IAF) (40E) (43A)	OGGAN (TF) (FB) (RNP 1.00) (40E)	090.62/10.80	3100												
OGGAN (IF) (40E)	QELAH (TF) (FB) (RNP 1.00) (40E)	080.47/5.00	1800												
CONTINUED ON PAGE 2															
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)				MAG VAR: 6W EPOCH YEAR: 2010											
2. PROFILE STARTS AT ZABTA															
3. FAC: 141.16 FAF: DIST FAF TO MAP: THLD:															
4. MIN. ALT:															
5. DIST TO THLD FROM OM: 3.21 MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 1100 GS ALT AT: ZABTA 1100 OM: MM: IM:															
7. GS ANGLE: 3.00 TCH: 51.0# 34:1 IS NOT CLEAR															
8. MSA FROM: RW14 2600															
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD										
CATEGORY ==>	A			B			C			D			E		
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.11 DA	320	1	303	320	1	303	320	1	303	320	1	303			
RNP 0.30 DA	364	1 1/4	347	364	1 1/4	347	364	1 1/4	347	364	1 1/4	347			
NOTES: CHART NOTES: RF AND GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 3C (38F) OR ABOVE 47C (118F). WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE AT XAGRY AND QELAH: MAX 180 KIAS. CHART PLANVIEW NOTE AT FRWAY: (RNP 0.30). CHART PROFILE NOTES: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.															
CITY AND STATE		ELEVATION: 19 TDZE: 17		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 11 FEB 2010 RNAV (RNP) Z RWY 14, ORIG				SUP: AMDT: NONE DATE					
WEST PALM BEACH, FL		PALM BEACH INTL													

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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TERMINAL ROUTES (CONTINUED FROM PAGE 1)

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
QELAH (40E)	ZABTA (RF) (FB) (RNP 1.00) (40E) (41E) (43F)	(2.30 NM RADIUS CW XAQJI) /2.43	1100
ZABTA (FAF) (40E) (43F)	RW14 (TF) (FO) (40G) (41Y) (43M)	141.16/3.21	
RW14 (MAP) (40G) (41Y) (43M)	ICZAY (TF) (FB) (RNP 1.00) (40E) (42M)	141.18/5.86	
ICZAY (40E) (42M)	VNDAL (RF) (FB) (RNP 1.00) (40E)	(3.80 NM RADIUS CW XABZY) /8.90	
VNDAL (40E)	LANCH (TF) (FO) (RNP 1.00) (40E) (41Y)	275.27/1.52	2000

QUALITY
CHECKED

CITY AND STATE	ELEVATION: 19 TDZE: 17	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WEST PALM BEACH, FL	AIRPORT NAME: PALM BEACH INTL	RNAV	11 FEB 2010 RNAV (RNP) Z RWY 14, ORIG	AMDT: NONE
				DATED:

U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA											
GULLO (IAF)(40E)(43A)	BEKAH (TF)(FB)(RNP 1.00)(40E)	118.77/16.12	8000	CLIMB TO 2000 VIA TRACK 278.79 TO JANTU AND VIA RIGHT TURN TO ETAPY AND VIA TRACK 029.23 TO MORGA AND HOLD.											
BEKAH (40E)	FESAK (TF)(FB)(RNP 1.00)(40E)	099.58/4.88	6000												
FESAK (IF)(40E)	COTEB (TF)(FB)(RNP 1.00)(40E)	099.62/5.75	4300												
COTEB (40E)	RELTY (RF)(FB)(RNP 1.00)(40E) (41E)(43F)	(2.80 NM RADIUS CCW ECQUG)8.84	1500	ADDITIONAL FLIGHT DATA: HOLD S, LT, 343.00 INBOUND CHART FAS OBST: 70 T - L TOWER 264053N/0800408W DISTANCE TO THLD FROM 375 HAT: 1.00 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S # TCH 75.7 MSL (DO NOT CHART) CHART MANDATORY ALTITUDE: 8000 AT GULLO, BEKAH, 6000 AT FESAK, 5000 AT FRWAY, AND 4000 AT HETMO.											
FRWAY (IAF)(40E)(43A)	HETMO (TF)(FB)(RNP 1.00) (40E)	176.05/9.07	4000												
HETMO (IF)(40E)	JERMA (TF)(FB)(RNP 1.00)(40E)	176.05/4.00	2900												
JERMA (40E)	RELTY (RF)(FB)(RNP 1.00) (40E) (41E)(43F)	(3.00 NM RADIUS CW CLKVL)5.38	1500												
RELTY (FAF)(40E)(43F)	RW28R (TF)(FO)(40G)(41Y)(43M)	278.83/4.42													
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)															
2. PROFILE STARTS AT RELTY															
3. FAC: 278.83 FAF: DIST FAF TO MAP: THLD:															
4. MIN. ALT:															
5. DIST TO THLD FROM OM: 4.42 MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 1500 GS ALT AT: RELTY 1500 OM: MM: IM:															
7. GS ANGLE: 3.00 TCH: 58.1# 34:1 IS NOT CLEAR															
8. MSA FROM: RW28R 2600				MAG VAR: 6W EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD										
CATEGORY	A			B			C			D			E		
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30 DA	393	6000	375	393	6000	375	393	6000	375	393	6000	375			
NOTES: CHART NOTES: RF AND GPS REQUIRED. VISIBILITY REDUCTION BY HELICOPTERS NA. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 3C (38F) OR ABOVE 48C (119F). CHART PLANVIEW NOTE AT COTEB AND JERMA: MAX 180 KIAS. CHART PROFILE NOTE: SEE PLAN VIEW FOR MULTIPLE IF LOCATIONS.															
CITY AND STATE		ELEVATION: 19 TDZE: 18		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 11 FEB 2010 RNAV (RNP) Z RWY 28R, ORIG				SUP: NONE					
WEST PALM BEACH, FL		PALM BEACH INTL								DATE					

QUALITY
6
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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TERMINAL ROUTES (CONTINUED FROM PAGE 1)

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
RW28R (MAP)(40G)(41Y)(43M)	JANTU (TF)(FB)(RNP 1.00)(40E)(42M)	278.79/6.50	
JANTU (40E)(42M)	ETAPY (RF)(FB)(RNP 1.00)(40E)	(4.70 NM RADIUS CW ISQUF)/9.06	
ETAPY (40E)	MORGA (TF)(FO)(RNP 1.00)(40E)(41Y)	029.23/10.65	2000

QUALITY
6
CHECKED

CITY AND STATE WEST PALM BEACH, FL	ELEVATION:	19 TDZE:	18	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 11 FEB 2010 RNAV (RNP) Z RWY 28R, ORIG	SUP:
	AIRPORT NAME:	PALM BEACH INTL				AMDT: NONE
			DATED:			

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES				MISSED APPROACH					
FROM	TO	COURSE AND DISTANCE	ALTITUDE						
GULLO (IAF)(40E)(43A)	BEKAH (TF)(FB)(RNP 1.00)(40E)	118.77/16.12	4000	MAP: DA					
BEKAH (IF)(40E)	QATHY (TF)(FB)(RNP 1.00)(40E)	117.01/6.78	3700						
QATHY (40E)	RUMDE (RF)(FB)(RNP 1.00)(40E) (41E)(43F)	(2.60 NM RADIUS CCW XAXKY/ 7.07	1500	CLIMB TO 2000 VIA TRACK 321.19 TO FOMID AND VIA TRACK 004.93 TO MORGAN AND HOLD.					
FRWAY (IAF)(40E)(43A)(41E)	HETMO (TF)(FB)(RNP 1.00)(40E)	176.05/9.07	5000						
HETMO (IF)(40E)	KARRL (TF)(FB)(RNP 1.00)(40E)	179.81/3.63	5000	ADDITIONAL FLIGHT DATA: HOLD S, LT, 343.00 INBOUND CHART FAS OBST: 106 TREE 264020N/0800459W DISTANCE TO THLD FROM 310 HAT: 0.79 NM ROUTE TYPE: A, R					
KARRL (40E)	PALLM (TF)(FB)(RNP 1.00)(40E)	179.81/4.52	3800						
PALLM (40E)	RUMDE (RF)(FB)(RNP 1.00)(40E) (41E)(43F)	(3.00 NM RADIUS CW ZUWXO)/7.41	1500						
(CONTINUED ON PAGE 2)				ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S # TCH 73.0 MSL (DO NOT CHART) CHART MANDATORY ALTITUDE: 5000 AT GULLO, FRWAY, HETMO, KARRL, 4000 AT BEKAH. MAG VAR: 6W EPOCH YEAR: 2010					
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)									
2. PROFILE STARTS AT RUMDE									
3. FAC: 321.22 FAF: DIST FAF TO MAP: THLD:									
4. MIN. ALT:									
5. DIST TO THLD FROM OM: 4.43 MM: IM: 150 HAT: 100 HAT: GS ANT:									
6. MIN GS INCPT: 1500 GS ALT AT: RUMDE 1500 OM: MM: IM:									
7. GS ANGLE: 3.00 TCH: 57.2# 34:1 IS NOT CLEAR									
8. MSA FROM: RW32 2600									
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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED									
RNP 0.12 DA	326	1	310	326	1	310	326	1	310
RNP 0.30 DA	405	1 1/4	389	405	1 1/4	389	405	1 1/4	389
NOTES: RF AND GPS REQUIRED. VISIBILITY REDUCTION BY HELICOPTERS NA. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 3C (38F) OR ABOVE 48C (119F). CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART PLANVIEW NOTE AT PALLM AND QATHY: MAX 180 KIAS. CHART PROFILE NOTE: SEE PLAN VIEW FOR MULTIPLE IF LOCATIONS.									
CITY AND STATE		ELEVATION: 19 TDZE: 16		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:		SUP:	
WEST PALM BEACH, FL		PALM BEACH INTL		RNAV		11 FEB 2010 RNAV (RNP) Z RWY 32, ORIG		AMDT: NONE	
									DATE

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES (CONTINUED FROM PAGE 1)

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
RUMDE (FAF)(40E)(43F)	RW32 (TF)(FO)(40G)(41Y)(43M)	321.22/4.43	
RW32 (MAP)(40G)(41Y)(43M)	FOMID (TF)(FB)(RNP 1.00)(40E)(42M)	321.19/8.00	
FOMID (40E)(42M)	MORGA (TF)(FO)(RNP 1.00)(40E)(41Y)	004.93/11.14	2000

CITY AND STATE

WEST PALM BEACH, FL

ELEVATION:

19 TDZE:

16

AIRPORT NAME:

PALM BEACH INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

11 FEB 2010

RNAV (RNP) Z RWY 32, ORIG

SUP:

AMDT: NONE

DATED:

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
IAI VORTAC	EGIPT/I-KOA 6.32 DME	344.88 / 10.28	6400	ILS: DA LOC: I-KOA 1.99 DME FIX CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 5000 VIA IAI VORTAC R-297 TO ANDES INT/IAI 15.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000; OR WHEN DIRECTED BY ATC, CLIMB TO 1900 VIA I-KOA S COURSE TO HOXLY INT/I-KOA 4.78 DME AND HOLD S, LT, 353.82 INBOUND. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 117.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S HOXLY INT/I-KOA 4.78 DME, LT, 353.82 INBOUND. CHART FAS OBST: 150 SHIP 194834N/1560223W CHART VDP AT 2.93 DME; DISTANCE VDP TO THLD 0.94 MILES. CHART IN PLANVIEW: HOXLY INT/I-KOA 4.78 DME. CHART 3000 PRIOR TO EGIPT IN PROFILE. CHART (DMATO) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE.											
MUE VOR/DME	KEANY INT	245.00 / 7.07	6800												
KEANY INT	MALIA INT	245.00 / 9.40 (MUE R-245)	3700												
MALIA INT (IAF)	VECKI/I-KOA 11.52 DME (NOPT)	245.00 / 4.52 (MUE R-245)	3000												
TAMMI INT (IAF)	VECKI/I-KOA 11.52 DME (NOPT)	128.82 / 6.79 (HDG) & 173.82 / 4.01 (I-KOA)	3000												
VECKI/I-KOA 11.52 DME (IF)	EGIPT/I-KOA 6.32 DME	173.82 / 5.20 (I-KOA)	1500												
1. PT <u>L</u> SIDE OF COURSE <u>353.82</u> OUTBOUND <u>1500</u> FT WITHIN <u>10</u> MILES OF <u>EGIPT</u> (IAF) 2. _____ 3. FAC: <u>173.82</u> FAF: <u>EGIPT/I-KOA 6.32 DME</u> DIST FAF TO MAP: _____ THLD: <u>4.33</u> 4. MIN. ALT: <u>EGIPT 1500</u> 5. DIST TO THLD FROM OM: _____ MM: <u>0.58</u> IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: <u>1149</u> 6. MIN GS INCPT: <u>1500</u> GS ALT AT: <u>EGIPT 1500</u> OM: _____ MM: <u>286</u> IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>55.1</u> 8. MSA FROM: <u>IAI VORTAC 070-160 14900, 160-330 3300, 330-070 11600</u>				MAG VAR: <u>11E</u> EPOCH YEAR: <u>1985</u>											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	ILS: STANDARD #				LOC: STANDARD @						
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 17	247	1/2	200	247	1/2	200	247	1/2	200	247	1/2	200	247	1/2	200
S-LOC 17	400	1/2	353	400	1/2	353	400	1/2	353	400	3/4	353	400	3/4	353
CIRCLING	460	1	413	500	1	453	500	1 1/2	453	600	2	553	600	2	553
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS RWY 17 CAT E VISIBILITY TO 3/4, AND S-LOC 17 CAT E VISIBILITY TO 1 1/4. # @ NA WHEN CONTROL TOWER CLOSED. CHART NOTE: CIRCLING NA E OF RWY 17-35. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 415. SEE 8260-10															
CITY AND STATE				ELEVATION: 47 TDZE: 47		FACILITY IDENTIFIER: I-KOA		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: ILS RWY 17			
KAILUA-KONA, HI				AIRPORT NAME:		KONA INTL AT KEAHOLE		ILS OR LOC/DME RWY 17, AMDT 1				AMDT: ORIG			
								11 FEB 2010				DATED 03/15/2007			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

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

CHART PLANVIEW NOTE: PT NA FOR CAT E.

CITY AND STATE

KAILUA-KONA, HI

ELEVATION: 47 TDZE: 47

AIRPORT NAME:

KONA INTL AT KEAHOLE

FACILITY
IDENTIFIER:

I-KOA

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 17, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97.25

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

TERMINAL ROUTES

MISSED APPROACH

FROM

TO

COURSE AND DISTANCE

ALTITUDE

ADDITIONAL FLIGHT DATA:

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)

2. _____

3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____

4. MIN. ALT _____

8. MSA FROM: _____

MAG VAR: _____

EPOCH YEAR: _____

TAKEOFF: _____

STANDARD _____

SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A _____

CATEGORY =====>

A

B

C

D

E

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 11 FEB 2010

QUALITY
CHECKED

CITY AND STATE

KAILUA-KONA, HI

ELEVATION: 47

TDZE: 47

AIRPORT NAME:

KONA INTL AT KEAHOLE

FACILITY
IDENTIFIER:
I-KOA

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC RWY 17, AMDT 6B, 03/15/2007

SUP

AMDT 6A

DATE 12/27/2001

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: CAV NDB
MCW VORTAC	CAV NDB	216.24 / 28.21	2800	CLIMB TO 2800 THEN LEFT TURN DIRECT CAV NDB AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD NW, LT, 125.00 INBOUND. FAS OBST: 1374 AAO 424756N/0934720W FAC CROSSES RWY C/L EXTENDED 3376 FROM THLD.

1. PT R SIDE OF COURSE 305.00 OUTBOUND 2800 FT WITHIN 10 MILES OF CAV NDB (IAF)
 2. _____
 3. FAC 125.00 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: CAV NDB 2800

MAG VAR: 3E EPOCH YEAR:1995

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A						STANDARD @			
CATEGORY >>>>>		A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-14	1740	1	584	1740	1	584		NA			NA					
CIRCLING	1740	1	578	1740	1	578		NA			NA					

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT DODGE ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MCW VORTAC AIRWAY RADIALS 182 CW 230.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
6
CHECKED

CITY AND STATE CLARION, IA	ELEVATION: 1162 TDZE: 1156 AIRPORT NAME: CLARION MUNI	FACILITY IDENTIFIER: CAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 14, AMDT 4 11 FEB 2010	SUP NDB OR GPS RWY 14 AMDT 3A DATE 02/16/2006

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES								MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: RW14 CLIMB TO 3000 DIRECT FEGNU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 322.82 INBOUND. CHART FAS OBST: 1264 TREE 424455N/0934521W 1369 AAO 424818N/0934739W. CHART VDP AT 1.03 MILES TO RW14. CETVI TO RW14: 3.04/40.							
CIMIL (IAF)		HAKDU (NOPT) (FB)		232.68 / 5.00		3000									
JAGVI (IAF)		HAKDU (NOPT) (FB)		052.56 / 5.00		3000									
HAKDU (IF/IAF)		CETVI (FB)		142.62 / 6.10		2800									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW HAKDU, RT, 142.62 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 142.68 FAF: CETVI DIST FAF TO MAP: 4.98 THLD: 4.98 4. MIN. ALT: HAKDU 3000, CETVI 2800, JAMRU/1.60 NM TO RW14 1700 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS CLEAR 8. MSA FROM: _____								MAG VAR: 3E		EPOCH YEAR: 1995					
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @										
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1520	1	364	1520	1	364		NA			NA				
CIRCLING	1660	1	498	1660	1	498		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT DODGE ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. CHART NOTE: VDP NA WHEN USING FORT DODGE ALTIMETER SETTING.															
CITY AND STATE				ELEVATION: 1162 TDZE: 1156		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
CLARION, IA				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 14, ORIG				AMDT: NONE			
				CLARION MUNI				11 FEB 2010				DATED			

 QUALITY
6
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TAA

	FROM	TO	ALT
1.	053/30 CW 233/30 (NOPT)	053/17 CW 233/17	3400
2.	053/17 CW 233/17	HAKDU (IF/IAF) (FB)	3000
3.	233/30 CW 323/30	CIMIL (IAF) (FB)	3000
4.	323/30 CW 053/30	JAGVI (IAF) (FB)	3000

QUALITY
CHECKED

CITY AND STATE

CLARION, IA

ELEVATION: 1162 TDZE: 1156

AIRPORT NAME:

CLARION MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCAVK3FR14	ACIMIL	010C	IMILK3EA0E	A	IF				18000		B	JS
SUSAP	KCAVK3FR14	ACIMIL	020HAKDUK3EA0EE	B	010TF		23270050	+	03000			B	JS
SUSAP	KCAVK3FR14	AHAKDU	010HAKDUK3EA0EE	AR	HF		14260040	+	03000	18000		B	JS
SUSAP	KCAVK3FR14	AJAGVI	010JAGVIK3EA0E	A	IF					18000		B	JS
SUSAP	KCAVK3FR14	AJAGVI	020HAKDUK3EA0EE	B	010TF		05260050	+	03000			B	JS
SUSAP	KCAVK3FR14	R	010HAKDUK3EA0E	I	IF			+	03000	18000		B	JS
SUSAP	KCAVK3FR14	R	020CETVIK3EA1E	F	051TF		14260061	+	02800			B	JS
SUSAP	KCAVK3FR14	R	020CETVIK3EA2WN			N	ALNAV						JS
SUSAP	KCAVK3FR14	R	021JAMRUK3EA0E	S	031TF		14270034	V	0170001704	-304		B	JS
SUSAP	KCAVK3FR14	R	030RW14	K3PGOGY	M	031TF	14270016		01192	-304		B	JS
SUSAP	KCAVK3FR14	R	040		M	010CA	1427	+	01520			B	JS
SUSAP	KCAVK3FR14	R	050FEGNUK3EA0EY		010DF			+	03000			B	JS
SUSAP	KCAVK3FR14	R	060FEGNUK3EA0EE		R020HM		32280040	+	03000			B	JS

[illegible]

CITY AND STATE CLARION, IA	ELEVATION: 1162 TDZE: 1156 AIRPORT NAME: CLARION MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW32 CLIMB TO 3000 DIRECT HAKDU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 142.62 INBOUND. CHART FAS OBST: 1344 TOWER 424338N/0934413W 1449 AAO 424023N/0934019W 1419 AAO 424137N/0934019W EGIRE TO RW32: 3.04/40
JANEV (IAF)	FEGNU (NOPT) (FB)	052.76 / 5.00	3000	
HAXIP (IAF)	FEGNU (NOPT) (FB)	232.88 / 5.00	3000	
FEGNU (IF/IAF)	EGIRE (FB)	322.82 / 6.10	2800	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE FEGNU, RT, 322.82 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 322.76 FAF: EGIRE DIST FAF TO MAP: 4.97 THLD: 4.97
- MIN. ALT: FEGNU 3000, EGIRE 2800, MOSGE/1.70 NM TO RW32 1740
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 3E

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A		STANDARD @									
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	1600	1	444	1600	1	444		NA			NA					
CIRCLING	1660	1	498	1660	1	498		NA			NA					

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT DODGE ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE CLARION, IA	ELEVATION: 1162 TDZE: 1156 AIRPORT NAME: CLARION MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 11 FEB 2010	SUP: AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TAA

	FROM	TO	ALT
1.	233/30 CW 053/30 (NOPT)	FEGNU (IF/IAF) (FB)	3000
2.	053/30 CW 143/30	JANEV (IAF) (FB)	3000
3.	143/30 CW 233/30	HAXIP (IAF) (FB)	3000

QUALITY
DATE

CITY AND STATE

CLARION, IA

ELEVATION: 1162 TDZE: 1156

AIRPORT NAME:

CLARION MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

6 E

CITY AND STATE CLARION, IA	ELEVATION: 1162 TDZE: 1156 AIRPORT NAME: CLARION MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 14, 32 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 14, TREE 345' FROM DER, 551' LEFT OF CENTERLINE, 100'AGL/1264' MSL.

NOTE: RWY 32, TREES BEGINNING 134' FROM DER, 396' LEFT OF CENTERLINE, UP TO 100' AGL/1254' MSL. VEHICLE ON ROAD 333' FROM DER, 572' RIGHT OF CENTERLINE, UP TO 15' AGL/1174' MSL.

(4) CONTROLLING OBSTACLES:



(5) City, State

CLARION, IOWA

(6) Airport

CLARION MUNI

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

1

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
FOD VORTAC	EGQ NDB	321.37 / 34.57	3400	MAP: EGQ NDB CLIMB TO 2500 THEN CLIMBING RIGHT TURN TO 3100 DIRECT EGQ NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 139.33 INBOUND. FAS OBST: 1499 AAO 430807N/0944634W 1549 AAO 430842N/0944807W 1709 AAO 431349N/0945053W CALYN TO RW13: 2.94/40. CHART TDZE 1206 FAC CROSSES RWY C/L EXTENDED 3002 FROM THLD.

1. PT L SIDE OF COURSE 319.33 OUTBOUND 3100 FT WITHIN 10 MILES OF EGQ NDB (IAF)
 2. _____
 3. FAC 139.33 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT CALYN INT 2120
 8. MSA FROM: EGQ NDB 090-180 3400, 180-090 3000

MAG VAR: 4E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	☐	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT					ALTERNATE: N A	☒						
CATEGORY	=====>	A			B			C			D			E		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-13		1860	1	655	1860	1	655		NA			NA				
CIRCLING		1860	1	655	1860	1	655		NA			NA				

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: USE ALGONA ALTIMETER SETTING, WHEN NOT RECEIVED, USE ESTHERVILLE ALTIMETER SETTING.



CITY AND STATE EMMETSBURG, IA	ELEVATION: 1205 TDZE: 1205	FACILITY IDENTIFIER: EGQ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 13, AMDT 3 11 FEB 2010	SUP NDB OR GPS RWY
	AIRPORT NAME: EMMETSBURG MUNI			13
				AMDT 2
				DATE 02/24/2000

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
FOD VORTAC	EGQ NDB	321.37 / 34.57	3400	MAP: EGQ NDB CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 3000 DIRECT EGQ NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, LT, 303.31 INBOUND. FAS OBST: 1439 AAO 430511N/0943734W FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.

1. PT R SIDE OF COURSE 123.31 OUTBOUND 3000 FT WITHIN 10 MILES OF EGQ NDB (IAF)
 2. _____
 3. FAC 303.31 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: EGQ NDB 090-180 3400, 180-090 3000

MAG VAR: 4E

EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE:	N A	X				
CATEGORY	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-31	1860	1	655	1860	1	655		NA			NA					
CIRCLING	1860	1	655	1860	1	655		NA			NA					

NOTES:

CHART NOTE: USE ALGONA ALTIMETER SETTING, WHEN NOT RECEIVED, USE ESTHERVILLE ALTIMETER SETTING.

QUALITY
6
CHECKED

CITY AND STATE EMMETSBURG, IA	ELEVATION: 1205 TDZE: 1205	FACILITY IDENTIFIER: EGQ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 31, AMDT 3 11 FEB 2010	SUP NDB OR GPS RWY
	AIRPORT NAME: EMMETSBURG MUNI			31
				AMDT 2
				DATE 02/24/2000

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW13 CLIMB TO 3800 DIRECT HIVEN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 312.67 INBOUND. CHART FAS OBST: 1304 TREE 430719N/0944411W CHART: 1334 TREE 430746N/0944525W FOROV TO RW13: 3.04/40.
ULBOW (IAF)	ZERGA (NOPT) (FB)	222.48 / 5.00	3800	
COVUP (IAF)	ZERGA (NOPT) (FB)	042.36 / 5.00	3800	
ZERGA (IF/IAF)	FOROV (FB)	132.42 / 6.10	2900	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW ZERGA, RT, 132.42 INBOUND, 3800 FT. IN LIEU OF PT (IAF)
- FAC: 132.48 FAF: FOROV DIST FAF TO MAP: 5.12 THLD: 5.12
- MIN. ALT: ZERGA 3800, FOROV 2900, ISEPE/2.10 NM TO RW13 1900
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 4E

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X											
CATEGORY	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	1620	1	415	1620	1	415		NA			NA					
CIRCLING	1660	1	455	1840	1	635		NA			NA					

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: USE ALGONA ALTIMETER SETTING, WHEN NOT RECEIVED, USE ESTHERVILLE ALTIMETER SETTING.

QUALITY
6
CHECKED

CITY AND STATE EMMETSBURG, IA	ELEVATION: 1205 TDZE: 1205 AIRPORT NAME: EMMETSBURG MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 11 FEB 2010	SUP: AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TAA

	FROM	TO	ALT
1.	042/30 CW 222/30 (NOPT)	ZERGA (IF/IAF) (FB)	3800
2.	222/30 CW 312/30	ULBOW (IAF) (FB)	3800
3.	312/30 CW 042/30	COVUP (IAF) (FB)	3800

042/30
222/30
312/30
CHECK

CITY AND STATE

EMMETSBURG, IA

ELEVATION: 1205 TDZE: 1206

AIRPORT NAME:

EMMETSBURG MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KEGQK3FR13	ACOVUP	010COVUPK3EA0E	A	IF						18000		B	JS
SUSAP KEGQK3FR13	ACOVUP	020ZERGAK3EA0EE	B	010TF		04240050		+ 03800				B	JS
SUSAP KEGQK3FR13	AULBOW	010ULBOWK3EA0E	A	IF						18000		B	JS
SUSAP KEGQK3FR13	AULBOW	020ZERGAK3EA0EE	B	010TF		22250050		+ 03800				B	JS
SUSAP KEGQK3FR13	AZERGA	010ZERGAK3EA0EE	AR	HF		13240040		+ 03800		18000		B	JS
SUSAP KEGQK3FR13	R	010ZERGAK3EA0E	I	IF				+ 03800		18000		B	JS
SUSAP KEGQK3FR13	R	020FOROVK3EA1E	F	051TF		13240061		+ 02900				B	JS
SUSAP KEGQK3FR13	R	020FOROVK3EA2WN			N	ALNAV							JS
SUSAP KEGQK3FR13	R	021ISEPEK3EA0E	S	031TF		13250030		V 0190001918		-304		B	JS
SUSAP KEGQK3FR13	R	030RW13 K3PG0GY	M	031TF		13250021		01245		-304		B	JS
SUSAP KEGQK3FR13	R	040	0	M 010CA		1325		+ 01605				B	JS
SUSAP KEGQK3FR13	R	050HIVENK3EA0EY		010DF				+ 03800				B	JS
SUSAP KEGQK3FR13	R	060HIVENK3EA0EE		R020HM		31270040		+ 03800				B	JS

[illegible]

QUALITY
6
CHECKED

CITY AND STATE EMMETSBURG, IA	ELEVATION: 1205 TDZE: 1206 AIRPORT NAME: EMMETSBURG MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
EHZET (IAF)	HIVEN (NOPT) (FB)	042.61 / 5.00	3800	LNAV: RW31 CLIMB TO 3800 DIRECT ZERGA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 132.42 INBOUND. CHART FAS OBST: 1284 TREE 430416N/0943944W JIBAM TO RW31: 3.05/40.
OGILY (IAF)	HIVEN (NOPT) (FB)	222.73 / 5.00	3800	
HIVEN (IF/IAF)	JIBAM (FB)	312.67 / 6.10	2900	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE HIVEN, RT, 312.67 INBOUND, 3800 FT. IN LIEU OF PT (IAF)
- FAC: 312.60 FAF: JIBAM DIST FAF TO MAP: 5.12 THLD: 5.12
- MIN. ALT: HIVEN 3800, JIBAM 2900, KOKAW/2.40 NM TO RW31 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 4E

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	☐	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	☒										
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	1600	1	395	1600	1	395		NA			NA					
CIRCLING	1660	1	455	1840	1	635		NA			NA					

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: USE ALGONA ALTIMETER SETTING, WHEN NOT RECEIVED, USE ESTHERVILLE ALTIMETER SETTING.

QUALITY
6
CHECKED

CITY AND STATE EMMETSBURG, IA	ELEVATION: 1205 TDZE: 1205 AIRPORT NAME: EMMETSBURG MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 11 FEB 2010	SUP: AMDT: NONE DATED

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

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TAA

	FROM	TO	ALT
1.	223/30 CW 043/30 (NOPT)	HIVEN (IF/IAF) (FB)	3800
2.	043/30 CW 133/30	EHZET (IAF) (FB)	3800
3.	133/30 CW 223/30	OGILY (IAF) (FB)	3800

QUALITY
6
CHECKED

CITY AND STATE

EMMETSBURG, IA

ELEVATION: 1205 TDZE: 1205

AIRPORT NAME:

EMMETSBURG MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KEGQK3FR31	AEHZET	010EHZETK3EA0E	A	IF					18000		B	JS
SUSAP	KEGQK3FR31	AEHZET	020HIVENK3EA0EE	B	010TF		04260050	+	03800			B	JS
SUSAP	KEGQK3FR31	AHIVEN	010HIVENK3EA0EE	AR	HF		31270040	+	03800	18000		B	JS
SUSAP	KEGQK3FR31	AOGILY	010OGILYK3EA0E	A	IF					18000		B	JS
SUSAP	KEGQK3FR31	AOGILY	020HIVENK3EA0EE	B	010TF		22270050	+	03800			B	JS
SUSAP	KEGQK3FR31	R	010HIVENK3EA0E	I	IF			+	03800	18000		B	JS
SUSAP	KEGQK3FR31	R	020JIBAMK3EA1E	F	051TF		31270061	+	02900			B	JS
SUSAP	KEGQK3FR31	R	020JIBAMK3EA2WN			N	ALNAV						JS
SUSAP	KEGQK3FR31	R	021KOKAWK3EA0E	S	031TF		31260027	V	0200002014		-305	B	JS
SUSAP	KEGQK3FR31	R	030RW31 K3PG0GY	M	031TF		31260024		01245		-305	B	JS
SUSAP	KEGQK3FR31	R	040		0 M 010CA		3126	+	01600			B	JS
SUSAP	KEGQK3FR31	R	050ZERGAK3EA0EY		010DF			+	03800			B	JS
SUSAP	KEGQK3FR31	R	060ZERGAK3EA0EE		R020HM		13240040	+	03800			B	JS

QUALITY
6
CHECKED

FAA FORM 8260-10 / MARCH 2003 (Computer Generated) PAGE 3 OF 3 PAGES

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 13, 31, STANDARD

RWY 4, 22, 17, 35, NA-ENVIRONMENTAL

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, TREES BEGINNING 754' FROM DER, 663' RIGHT OF CENTERLINE, UP TO 45' AGL/1254' MSL.

NOTE: RWY 31, TREES BEGINNING 392' FROM DER, 280' LEFT OF CENTERLINE, UP TO 45' AGL/1254' MSL. TREES BEGINNING 1001' FROM DER, 393' RIGHT OF CENTERLINE, UP TO 45' AGL/1254' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
CHECKED

(5) City, State

EMMETSBURG, IA

(6) Airport

EMMETSBURG MUNI

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

1

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM	TO			COURSE AND DISTANCE			ALTITUDE			LPV: DA LNAV/VNAV: DA LNAV: RW33 CLIMB TO 3000 DIRECT YEZCO AND LEFT TURN VIA TRACK 241.86 TO JEGLI AND LEFT TURN VIA TRACK 138.92 TO OGITY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 061.86 INBOUND. CHART FAS OBST: 1265 TREE 431340N/0933646W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. WAAS CHANNEL # 78016 REFERENCE PATH ID: W33A							
HAYOR	OGITY (FB)			139.11 / 11.55			3000										
OGITY (IAF)	SCHUM (NOPT) (FB)			061.86 / 5.00			3000										
MCW VORTAC (IAF)	SCHUM (NOPT) (FB)			250.45 / 8.20			3000										
SCHUM (IF/IAF)	NIVIY (FB)			331.93 / 6.17			2900										
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. <u>HOLD SE SCHUM, RT, 331.93 INBOUND, 3000 FT. IN LIEU OF PT (IAF)</u> 3. FAC: <u>331.89</u> FAF: <u>NIVIY</u> DIST FAF TO MAP: <u>5.13</u> THLD: <u>5.13</u> 4. MIN. ALT: <u>SCHUM 3000, NIVIY 2900</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2900</u> GS ALT AT: <u>NIVIY</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW33 3000</u>										MAG VAR: 3E		EPOCH YEAR: 2000					
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @					
CATEGORY ==>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	1453	1	250	1453	1	250	1453	1	250	1453	1	250					
LNAV/VNAV DA	1535	1 1/4	332	1535	1 1/4	332	1535	1 1/4	332	1535	1 1/4	332					
LNAV MDA	1520	1	317	1520	1	317	1520	1	317	1520	1	317					
CIRCLING	1680	1	451	1760	1	531	1760	1 1/2	531	1820	2	591					
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING MASON CITY ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10																	
CITY AND STATE				ELEVATION: 1229 TDZE: 1203				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
FOREST CITY, IA				AIRPORT NAME: FOREST CITY MUNI				RNAV (GPS) RWY 33, ORIG				11 FEB 2010				AMDT: NONE	
														DATED			

QUALITY
 CHECKED

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

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

NOTES CONT.

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MASON CITY ALTIMETER SETTING AND INCREASE ALL DA 34 FEET AND ALL MDA 40 FEET; INCREASE LNAV CAT D VISIBILITY 1/4 MILE.

CHART NOTE: CIRCLING TO RWY 9-27 NA AT NIGHT.

CHART NOTE: WHEN VGSi INOP, PROCEDURE NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MCW VORTAC VIA V138-505 NORTHEAST BOUND.



CITY AND STATE FOREST CITY, IA	ELEVATION: 1229 TDZE: 1203 AIRPORT NAME: FOREST CITY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KFXV
RUNWAY RW33
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W33A
LTP/FTP LATITUDE 431334.4470N
LTP/FTP LONGITUDE 0933703.7060W
LTP/FTP ELLIPSOIDAL HEIGHT +03373
FPAP LATITUDE 431455.1200N
FPAP LONGITUDE 0933755.5000W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDE PATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0984
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

F82A667C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +03666
FPAP ORTHOMETRIC HEIGHT +03666

CITY AND STATE

FOREST CITY, IA

ELEVATION: 1229 TDZE: 1203

AIRPORT NAME:

FOREST CITY MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

SUP:	
AMDT:	NONE
DATED:	

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 KFXK3GRW33 0057963319 N43133445W093370371+0100 +0337301203000040100R

SUSAP KFXKYK3PR33	RW33	001	0000W33A0N4313344470W09337037060+033730300N4314551200W09337555000106750984000400F400500F82A667C
SUSAP KFXKYK3PR33	RW33	002E	+03666+03666LPV 78016

SUSAP KFXK3SRW33 K3PG 0 18018003025

PAGE 5 OF 5 PAGES

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

TAKEOFF: _____	STANDARD _____	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N/A _____							
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 11 FEB 2010

QUALITY
5
NOV 2009

CITY AND STATE LE MARS, IA	ELEVATION: 1197 TDZE: 1197 AIRPORT NAME: LE MARS MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 18, ORIG-A, 05/07/2009	SUP AMDT ORIG DATE 09/10/1998

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES												MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 4500 DIRECT JAGBU AND VIA TRACK 133.94 TO FEXAT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 041.35 INBOUND. CHART FAS OBST: 1311 TREE 424731N/0961140W DISTANCE TO THLD FROM 330 HAT: 0.92 NM. WAAS CHANNEL # 78415 REFERENCE PATH ID: W18A							
ESTIS		SSHED (FB)		050.69 / 15.64				4000									
SSHED (IAF)		ETNOE (NOPT) (FB)		092.92 / 5.00				4000									
COPYE (IAF)		ETNOE (NOPT) (FB)		257.97 / 8.59				4000									
ETNOE (IF/IAF)		CREEC (FB)		183.00 / 5.84				2900									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N ETNOE, RT, 183.00 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 182.99 FAF: CREEC DIST FAF TO MAP: 5.16 THLD: 5.16 4. MIN. ALT: ETNOE 4000, CREEC 2900, ATUXE/1.90 NM TO RW18 1840* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 2900 GS ALT AT: CREEC OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW18 4400																	
												MAG VAR: 5E EPOCH YEAR: 1995					
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	1527	1 1/4	330	1527	1 1/4	330		NA			NA						
LNAV/VNAV DA	1769	2	572	1769	2	572		NA			NA						
LNAV MDA	1620	1	423	1620	1	423		NA			NA						
CIRCLING	1760	1	563	1840	1	643		NA			NA						
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. *LNAV ONLY SEE 8260-10																	
CITY AND STATE				ELEVATION: 1197 TDZE: 1197				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
LE MARS, IA				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 18, ORIG				AMDT: NONE	
				LE MARS MUNI								11 FEB 2010				DATED	

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

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

NOTES CONT.**CHART NOTE: BARO VNAV NA WHEN USING ORANGE CITY ALTIMETER SETTING.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORANGE CITY ALTIMETER SETTING AND INCREASE ALL DA 63 FEET AND ALL MDA 80 FEET, INCREASE LPV ALL CATS AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.**

QUALITY
CHECK

CITY AND STATE

LE MARS, IA

ELEVATION: 1197 TDZE: 1197

AIRPORT NAME:

LE MARS MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLRJ
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	424700.2170N
LTP/FTP LONGITUDE	0961133.5685W
LTP/FTP ELLIPSOIDAL HEIGHT	+03376
FPAP LATITUDE	424531.9600N
FPAP LONGITUDE	0961150.3600W
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	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	B2681980

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03639
FPAP ORTHOMETRIC HEIGHT	+03639

QUALITY
5
CHECKED

CITY AND STATE LE MARS, IA	ELEVATION: 1197 TDZE: 1197 AIRPORT NAME: LE MARS MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KLRJK3FR18	ACOPYE	010COPYEK3EA0E	A	IF						18000		A JS	
SUSAP KLRJK3FR18	ACOPYE	020ETNOEK3EA0EE	B	010TF		25800086		+	04000			A JS	
SUSAP KLRJK3FR18	AESTIS	010ESTISK3EA0E		IF						18000		A JS	
SUSAP KLRJK3FR18	AESTIS	020SSHEDK3EA0E	A	020TF		05070156		+	04000			A JS	
SUSAP KLRJK3FR18	AESTIS	030ETNOEK3EA0EE	B	010TF		09290050		+	04000			A JS	
SUSAP KLRJK3FR18	AETNOE	010ETNOEK3EA0EE	AR	HF		18300040		+	04000	18000		A JS	
SUSAP KLRJK3FR18	R	010ETNOEK3EA0E	I	IF				+	04000	18000		A JS	
SUSAP KLRJK3FR18	R	020CREECK3EA1E	F	051TF		18300058		+	02900		RW18	K3PGA	JS
SUSAP KLRJK3FR18	R	020CREECK3EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KLRJK3FR18	R	021ATUXEK3EA0E	S	031TF		18300033		V	0184001843	-300		A JS	
SUSAP KLRJK3FR18	R	030RW18	K3PGOGY	M	031TF	18300019			01234	-300		A JS	
SUSAP KLRJK3FR18	R	040JAGBUK3EA0E	M	010DF								A JS	
SUSAP KLRJK3FR18	R	050FEXATK3EA0EY		010TF		1339		+	04500			A JS	
SUSAP KLRJK3FR18	R	060FEXATK3EA0EE		R020HM		04140050		+	04500			A JS	

[illegible]

QUALITY
CHECKED

CITY AND STATE LE MARS, IA	ELEVATION: 1197 TDZE: 1197 AIRPORT NAME: LE MARS MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible]

QUALITY
CHECK

CITY AND STATE LE MARS, IA	ELEVATION: 1197 TDZE: 1197 AIRPORT NAME: LE MARS MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
SUX VORTAC (IAF)	KAGTE (NOPT) (FB)	011.08 / 14.87	4400	LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 4000 DIRECT ETNOE AND HOLD.			
RIBTE (IAF)	KAGTE (NOPT) (FB)	092.80 / 9.91	4400				
FEXAT (IAF)	KAGTE (NOPT) (FB)	272.20 / 9.62	4400	ADDITIONAL FLIGHT DATA: HOLD N, RT, 183.00 INBOUND. CHART FAS OBST: 1424 TOWER 424610N/0961040W DISTANCE TO THLD FROM 312 HAT: 0.86 NM. WAAS CHANNEL # 42516 REFERENCE PATH ID: W36A			
KAGTE (IF/IAF)	NISDE (FB)	002.95 / 2.50	4000				
NISDE	HEDBA (FB)	002.96 / 3.54	3000				

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. HOLD S KAGTE, RT, 002.95 INBOUND, 4400 FT. IN LIEU OF PT (IAF)
 3. FAC: 002.97 FAF: HEDBA DIST FAF TO MAP: 5.46 THLD: 5.46
 4. MIN. ALT: KAGTE 4400, NISDE 4000, HEDBA 3000, ECUTU/2.40 NM TO RW36 2000*
 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
 6. MIN GS INCPT: 3000 GS ALT AT: HEDBA OM: MM: IM:
 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
 8. MSA FROM: RW36 4400

MAG VAR: 5E EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A	STANDARD @							
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1509	1	312	1509	1	312		NA			NA				
LNAV/VNAV DA	1625	1 1/2	428	1625	1 1/2	428		NA			NA				
LNAV MDA	1680	1	483	1680	1	483		NA			NA				
CIRCLING	1760	1	563	1840	1	643		NA			NA				

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING ORANGE CITY ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
5
CHECKED

CITY AND STATE LE MARS, IA	ELEVATION: 1197 TDZE: 1197	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME: LE MARS MUNI			AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORANGE CITY ALTIMETER SETTING AND INCREASE ALL DA 63 FEET AND ALL MDA 80 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SUX VORTAC ON V175 SOUTHBOUND AND ON V100 WESTBOUND.

QUALITY
5
CHECKED

CITY AND STATE

LE MARS, IA

ELEVATION: 1197 TDZE: 1197

AIRPORT NAME:

LE MARS MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLRJ
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	424621.0395N
LTP/FTP LONGITUDE	0961141.0215W
LTP/FTP ELLIPSOIDAL HEIGHT	+03376
FPAP LATITUDE	424749.3000N
FPAP LONGITUDE	0961124.2200W
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	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER C993DB55

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03639
FPAP ORTHOMETRIC HEIGHT	+03639

QUALITY
CHECKED

CITY AND STATE LE MARS, IA	ELEVATION: 1197 TDZE: 1197	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME: LE MARS MUNI			AMDT: NONE
	DATED:			

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KLRJK3FR36	AFEXAT	010FEXATK3EA0E	A	IF						18000		A JS	
SUSAP KLRJK3FR36	AFEXAT	020KAGTEK3EA0EE	B	010TF		27220096		+ 04400				A JS	
SUSAP KLRJK3FR36	AKAGTE	010KAGTEK3EA0EE	AR	HF		00300050		+ 04400		18000		A JS	
SUSAP KLRJK3FR36	ARIBTE	010RIBTEK3EA0E	A	IF						18000		A JS	
SUSAP KLRJK3FR36	ARIBTE	020KAGTEK3EA0EE	B	010TF		09280099		+ 04400				A JS	
SUSAP KLRJK3FR36	ASUX	010SUX K3D 0V	A	IF						18000		A JS	
SUSAP KLRJK3FR36	ASUX	020KAGTEK3EA0EE	B	010TF		01110149		+ 04400				A JS	
SUSAP KLRJK3FR36	R	010KAGTEK3EA0E	I	IF				+ 04400		18000		A JS	
SUSAP KLRJK3FR36	R	011NISDEK3EA0E	S	051TF		00300025		+ 04000				A JS	
SUSAP KLRJK3FR36	R	020HEDBAK3EA1E	F	051TF		00300035		+ 03000			RW36 K3PGA	JS	
SUSAP KLRJK3FR36	R	020HEDBAK3EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KLRJK3FR36	R	021ECUTUK3EA0E	S	031TF		00300031		V 0200002004		-300		A JS	
SUSAP KLRJK3FR36	R	030RW36 K3PGOGY	M	031TF		00300024		01234		-300		A JS	
SUSAP KLRJK3FR36	R	040ETNOEK3EA0EYM		010DF				+ 04000				A JS	
SUSAP KLRJK3FR36	R	050ETNOEK3EA0EE		R020HM		18300040		+ 04000				A JS	

QUALITY
CHECKED

CITY AND STATE LE MARS, IA	ELEVATION: 1197 TDZE: 1197 AIRPORT NAME: LE MARS MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

QUALITY
1
CHECKED

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

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 2, 400-2 $\frac{3}{4}$ OR STANDARD WITH A MINIMUM CLIMB OF 417 FT PER NM TO 1700.
RWY 20, 500-2 $\frac{3}{4}$ OR STANDARD WITH A MINIMUM CLIMB OF 249 FT PER NM TO 1700.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 2 - CLIMB HEADING 019.12 TO 1700 BEFORE TURNING LEFT.
RWY 20 - CLIMB HEADING 199.12 TO 1700 BEFORE TURNING LEFT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2, TREE 5817 FT FROM DER, 748 FT LEFT OF CENTERLINE, 100 FT AGL/1419 MSL.

(4) CONTROLLING OBSTACLES:

RWY 2: 1419 MSL TREE 421150.00N-0954707.00W, 1499 MSL AAO 421312.00N-0954706.00W, 1559 MSL AAO 421234.29N-0954738.00W.
RWY 20: 1459 MSL AAO 420840.89N-0954810.19W, 1519 MSL AAO 420815.05N-0954815.04W, 1559 MSL AAO 420801.59N-0954803.12W.

(5) City, State

MAPLETON, IA

(6) Airport

JAMES G. WHITING MEML FIELD

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

1

QUALITY
2
CHECKED

Page 1 of 1 Pages

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.27								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM	TO			COURSE AND DISTANCE			ALTITUDE		MAP: 4.88 MILES AFTER CABBI LOM						
GENTS INT	CABBI LOM			042.21 / 11.15			2400		CLIMB TO 2100 THEN CLIMBING RIGHT TURN TO 2400 DIRECT CABBI LOM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 182.22 INBOUND. CHART FAS OBST: 463 TREE 374747N/0891443W CABBI LOM TO RW18L: 3.00/40.						
MWA VOR/DME	CABBI LOM			298.04 / 13.11			2400								
ENL VORTAC (IAF)	HEMPA INT (NOPT)			184.47 / 27.04			2400								
HEMPA INT (IF)	CABBI LOM			182.12 / 6.22			2000								
1. PT <u>L</u> SIDE OF COURSE <u>002.34</u> OUTBOUND <u>2400</u> FT WITHIN <u>10</u> MILES OF <u>CABBI LOM</u> (IAF) 2. _____ 3. FAC <u>182.34</u> FAF <u>CABBI LOM</u> DIST FAF TO MAP <u>4.88</u> THLD <u>4.88</u> 4. MIN. ALT <u>CABBI LOM 2000</u> 8. MSA FROM: <u>MD LOM 090-180 2700, 180-090 2400</u>										MAG VAR: 1W		EPOCH YEAR: 2010			
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: NA		X						
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-18L	820	3/4	413	820	3/4	413	820	3/4	413	820	1	413			
CIRCLING	900	1	489	900	1	489	900	1 1/2	489	980	2	569			
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLIAMSON CO RGNL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE S-18L CAT D VISIBILITY 1/4 MILE. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON ENL VORTAC ON V72 NORTHEAST BOUND.															
CITY AND STATE CARBONDALE/MURPHYSBORO, IL				ELEVATION: 411 TDZE: 407 AIRPORT NAME: SOUTHERN ILLINOIS				FACILITY IDENTIFIER: MD		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 18L, AMDT 13 11 FEB 2010				SUP NDB OR GPS RWY 18L AMDT 12C DATE 10/05/2000	

QUALITY
 2
 CHECKED

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TAA

	FROM	TO	ALT
1.	272/30 CW 092/30 (NOPT)	272/10 CW 092/10	3500
	272/10 CW 092/10	SOPAW (IF/IAF) (FB)	2700
2.	092/30 CW 182/30	JESHE (IAF) (FB)	2700
3.	182/30 CW 272/30	HENAN (IAF) (FB)	2700

QUALITY
2
CHECKED

CITY AND STATE

CARBONDALE/MURPHYSBORO, IL

ELEVATION: 411 TDZE: 407

AIRPORT NAME:

SOUTHERN ILLINOIS

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36R, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMDHK5FR36R	AHENAN	010HENANK5EA0E	A	IF					18000		B	JS
SUSAP	KMDHK5FR36R	AHENAN	020SOPAWK5EA0EE	B	010TF		27230050	+	02700			B	JS
SUSAP	KMDHK5FR36R	AJESHE	010JESHEK5EA0E	A	IF					18000		B	JS
SUSAP	KMDHK5FR36R	AJESHE	020SOPAWK5EA0EE	B	010TF		09220050	+	02700			B	JS
SUSAP	KMDHK5FR36R	ASOPAW	010SOPAWK5EA0EE	AL	HF		00220040	+	02700	18000		B	JS
SUSAP	KMDHK5FR36R	R	010SOPAWK5EA0E	I	IF			+	02700	18000		B	JS
SUSAP	KMDHK5FR36R	R	020RYMANK5EA1E	F	051TF		00220060	+	02100			B	JS
SUSAP	KMDHK5FR36R	R	020RYMANK5EA2WN			N	ALNAV						JS
SUSAP	KMDHK5FR36R	R	021ZAGDAK5EA0E	S	031TF		00220027	V	0120001225	-304		B	JS
SUSAP	KMDHK5FR36R	R	030RW36RK5PGOGY	M	031TF		00220024		00455	-304		B	JS
SUSAP	KMDHK5FR36R	R	040	0	M 010CA		0022	+	00760			B	JS
SUSAP	KMDHK5FR36R	R	050HEMPAK5EA0EY		010DF				02700			B	JS
SUSAP	KMDHK5FR36R	R	060HEMPAK5EA0EE		R020HM		18220040	+	02700			B	JS

[illegible]

QUALITY
7
CHECKED

CITY AND STATE CARBONDALE/MURPHYSBORO, IL	ELEVATION: 411 TDZE: 407 AIRPORT NAME: SOUTHERN ILLINOIS	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36R, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 6, 24, 36R, 36L, STANDARD.

RWY18L, STANDARD WITH MINIMUM CLIMB OF 225 FEET PER NM TO 1100, OR 900-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

RWY18R, STANDARD WITH MINIMUM CLIMB OF 225 FEET PER NM TO 1100, OR 900-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 18L - FOR CLIMB IN VISUAL CONDITIONS, CROSS SOUTHERN ILLINOIS AIRPORT AT OR ABOVE 1200 MSL BEFORE PROCEEDING ON COURSE.

RWY 18R - FOR CLIMB IN VISUAL CONDITIONS, CROSS SOUTHERN ILLINOIS AIRPORT AT OR ABOVE 1200 MSL BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 6, ROAD 179 FEET FROM DER, 214 FEET LEFT OF CENTERLINE, 418 FEET MSL. NOTE: RWY18L, TREE 3,235 FEET FROM DER, 696 FEET RIGHT OF CENTERLINE, 100 FEET AGL/497 FEET MSL, ANTENNA 2,731 FEET FROM DER, 458 FEET LEFT OF CENTERLINE, 100 FEET AGL/483 FEET MSL, TOWER 2,780 FEET FROM DER, 484 FEET LEFT OF CENTERLINE, 100 FEET AGL/483 FEET MSL, POLE 1,166 FEET FROM DER, 192 FEET RIGHT OF CENTERLINE, 100 FEET AGL/439 FEET MSL. NOTE: RWY 36L, TREES BEGINNING 480 FEET FROM DER LEFT AND RIGHT OF CENTERLINE UP TO 100 FEET AGL/479 FEET MSL. NOTE: RWY 24, TREES BEGINNING 633 FEET FROM DER LEFT AND RIGHT OF CENTERLINE UP TO 100 FEET AGL/485 FEET MSL.

(4) CONTROLLING OBSTACLES:

RWY 18L, RWY 18R, VCOA: 860 MSL TOWER, 374331.00N-0891525.00W

QUALITY
2
CHECKED

(5) City, State

CARDONDALE/MURPHYSBORO, IL

(6) Airport

SOUTHERN ILLINOIS

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

ORIG

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

TAKEOFF: ☐	STANDARD ☐	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A ☐							
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 11 FEB 2010



CITY AND STATE GREENVILLE, IL	ELEVATION: 541 TDZE: 540	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 18, ORIG, 01/30/1997	SUP
	AIRPORT NAME: GREENVILLE			AMDT NONE
				DATE

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
TOY VORTAC	YEHTU (FB)	048.50 / 26.70	3000	LNAV: RW18			
VLA VORTAC	ZEBTA (FB)	231.26 / 6.39	3000				
YEHTU (IAF)	XUHAS (FB)	088.67 / 5.00	2300	CLIMB TO 2000 DIRECT SIPIF AND HOLD.			
ZEBTA (IAF)	XUHAS (FB)	268.81 / 5.00	2300				
XUHAS (IF)	WIZGY (FB)	178.74 / 6.18	2200	ADDITIONAL FLIGHT DATA: HOLD S, RT, 358.74 INBOUND. CHART FAS OBST: 649 TREE 385130N/0892255W CHART 870 TOWER 385414N/0892356W. WIZGY TO RW18: 3.05/40.			

1. PT NA SIDE OF COURSE		OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT XUHAS					
3. FAC: 178.74		FAF: WIZGY		DIST FAF TO MAP: 5.02 THLD: 5.02	
4. MIN. ALT: XUHAS 2300, WIZGY 2200, NUBTE/2.10 NM TO RW18 1260					
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: RW18 2600					

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A	X										
CATEGORY ==>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	960	1	420	960	1	420	960	1 1/4	420	960	1 1/4	420				
CIRCLING	1020	1	479	1040	1	499	1040	1 1/2	499	1220	2 1/4	679				

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 SALEM-LECKRONE ALTIMETER SETTING; WHEN NOT RECEIVED, USE CENTRALIA MUNI ALTIMETER
 SEE 8260-10

CITY AND STATE	ELEVATION: 541 TDZE: 540	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
GREENVILLE, IL	AIRPORT NAME: GREENVILLE		RNAV (GPS) RWY 18, ORIG 11 FEB 2010	AMDT: NONE
				DATED

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

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NOTES CONT.**SETTING.**

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON VLA VORTAC AIRWAY RADIALS 254 CW 273.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TOY VORTAC AIRWAY RADIALS 006 CW 095.

QUALITY
2
CHECKED

CITY AND STATE

GREENVILLE, IL

ELEVATION: 541 TDZE: 540

AIRPORT NAME:

GREENVILLE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

QUALITY
CHECKED

CITY AND STATE GREENVILLE, IL	ELEVATION: 541 TDZE: 540	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME: GREENVILLE			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 KGREK5GRW18 0040021787 N38502825W089223525-0200 +0133100540000040075R

SUSAP KGREK5SRW18 K5PG 0 18018002625 M

QUALITY
6
CHECKED

SUP:	
AMDT:	NONE
DATED:	

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

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____

EPOCH YEAR: _____

TAKEOFF:		STANDARD		SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A									
CATEGORY =====>		A			B			C			D			E		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 11 FEB 2010



CITY AND STATE BARDSTOWN, KY	ELEVATION: 669 TDZE: 669 AIRPORT NAME: SAMUELS FIELD	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 20, AMDT 1A, 09/19/2001	SUP AMDT 1 DATE 04/20/2000

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW02 CLIMB TO 3000 DIRECT OXVOR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 204.59 INBOUND. CHART FAS OBST: 868 TOWER 374652N/0852942W CHART 870 TOWER 374545N/0853047W. MAARK TO RW02: 3.04/40.
MAASH (IAF)	MAKRZ (NOPT) (FB)	114.41 / 5.00	3100	
DSTIL (IAF)	MAKRZ (NOPT) (FB)	294.53 / 5.00	3100	
MAKRZ (IF/IAF)	MAARK (FB)	024.47 / 6.04	2300	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW MAKRZ, RT, 024.47 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
- FAC: 024.50 FAF: MAARK DIST FAF TO MAP: 5.03 THLD: 5.03
- MIN. ALT: MAKRZ 3100, MAARK 2300, BARRL/2.40 NM TO RW02 1440
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 3W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1020	1	366	1020	1	366	1020	1	366	1020	1 1/4	366			
CIRCLING	1200	1	531	1260	1	591	1260	1 1/2	591	1380	2 1/4	711			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUISVILLE INTL-STANDIFORD FIELD
 SEE 8260-10

QUALITY
6
CHECKED

CITY AND STATE BARDSTOWN, KY	ELEVATION: 669 TDZE: 654 AIRPORT NAME: SAMUELS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 11 FEB 2010	SUP: AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, INCREASE LNAV CATS C/D VISIBILITY 1/4 MILE
INCREASE CIRCLING CATS C/D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	295/30 CW 114/30 (NOPT)	MAKRZ (IF/IAF) (FB)	3100
2.	114/30 CW 204/30	MAASH (IAF) (FB)	3100
3.	204/30 CW 295/30	DSTIL (IAF) (FB)	3100

QUALITY
CHECKED

CITY AND STATE

BARDSTOWN, KY

ELEVATION: 669

TDZE: 654

AIRPORT NAME:

SAMUELS FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KBRYK5ABRY	0	050YHN37485160WQ85295870W003000669					18000018000C	MNAR	SAMUELS FIELD				

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBRYK5FR02	ADSTIL	010DSTILK5EA0E	A	IF					18000			B JS	
SUSAP KBRYK5FR02	ADSTIL	020MAKRZK5EA0EE	B	010TF			29450050	+ 03100				B JS	
SUSAP KBRYK5FR02	AMAASH	010MAASHK5EA0E	A	IF					18000			B JS	
SUSAP KBRYK5FR02	AMAASH	020MAKRZK5EA0EE	B	010TF			11440050	+ 03100				B JS	
SUSAP KBRYK5FR02	AMAKRZ	010MAKRZK5EA0EE	AR	HF			02450040	+ 03100	18000			B JS	
SUSAP KBRYK5FR02	R	010MAKRZK5EA0E	I	IF				+ 03100	18000			B JS	
SUSAP KBRYK5FR02	R	020MAARKK5EA1E	F	051TF			02450060	+ 02300				B JS	
SUSAP KBRYK5FR02	R	020MAARKK5EA2WN			N	ALNAV						JS	
SUSAP KBRYK5FR02	R	021BARRLK5EA0E	S	031TF			02450026	V 0144001454		-304		B JS	
SUSAP KBRYK5FR02	R	030RW02 K5PG0GY	M	031TF			02450024	00675		-304		B JS	
SUSAP KBRYK5FR02	R	040	0	M 010CA			0245	+ 01020				B JS	
SUSAP KBRYK5FR02	R	050OXVORK5EA0EY		010DF				+ 03000				B JS	
SUSAP KBRYK5FR02	R	060OXVORK5EA0EE		R020HM			20460040	+ 03000				B JS	

[illegible]

QUALITY
CHECKED

CITY AND STATE BARDSTOWN, KY	ELEVATION: 669 TDZE: 654 AIRPORT NAME: SAMUELS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
FAMRU (IAF)	OXVOR (NOPT) (FB)	114.53 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW20 CLIMB TO 3000 DIRECT MAARK AND RIGHT TURN VIA TRACK 310.34 TO JBEAM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.								
ESSEV (IAF)	OXVOR (NOPT) (FB)	294.65 / 5.00	3000									
OXVOR (IF/IAF)	UNDOZ (FB)	204.59 / 6.04	2500									
				ADDITIONAL FLIGHT DATA: HOLD S, RT, 008.00 INBOUND. CHART FAS OBST: 840 TOWER 374926N/0852858W CHART FAS OBST: 923 TOWER 375030N/0852757W DISTANCE TO THLD FROM 336 HAT: 0.93 NM. WAAS CHANNEL # 77816 REFERENCE PATH ID: W20A								
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE OXVOR, RT, 204.59 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>204.56</u> FAF: <u>UNDOZ</u> DIST FAF TO MAP: <u>5.54</u> THLD: <u>5.54</u> 4. MIN. ALT: <u>OXVOR 3000, UNDOZ 2500</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2500</u> GS ALT AT: <u>UNDOZ</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>				MAG VAR: 3W EPOCH YEAR: 1995								
MINIMUMS												
TAKEOFF:	☐ STANDARD	☒ X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	☐ X							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1005	1 1/4	336	1005	1 1/4	336	1005	1 1/4	336	1005	1 1/4	336
LNAV/VNAV DA	1250	2	581	1250	2	581	1250	2	581	1250	2	581
LNAV MDA	1180	1	511	1180	1	511	1180	1 1/2	511	1180	1 1/2	511
CIRCLING	1200	1	531	1260	1	591	1260	1 1/2	591	1380	2 1/4	711
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING LOUISVILLE INTL-STANDIFORD FIELD ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10												
CITY AND STATE			ELEVATION: 669 TDZE: 669		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:		
BARDSTOWN, KY			AIRPORT NAME:		RNAV		RNAV (GPS) RWY 20, ORIG			AMDT: NONE		
			SAMUELS FIELD				11 FEB 2010			DATED		



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUISVILLE INTL-STANDIFORD FIELD
ALTIMETER SETTING AND INCREASE LPV DA 80 FEET, LNAV/VNAV DA 183 FEET AND ALL MDA 80 FEET AND
INCREASE LPV ALL CATS VISIBILITIES, LNAV CAT D VISIBILITY, AND CIRCLING CAT D VISIBILITY 1/4
MILE, LNAV/VNAV ALL CATS VISIBILITIES 3/4 MILE AND CIRCLING CAT C VISIBILITY 1/2 MILE.

TAA

	FROM	TO	ALT
1.	115/30 CW 155/30 (NOPT)	OXVOR (IF/IAF)	3000
	155/20 CW 205/20	OXVOR (IF/IAF)	3000
	205/30 CW 295/30 (NOPT)	OXVOR (IF/IAF)	3000
2.	155/30 CW 205/30 (NOPT)	155/20 CW 205/20	3600
3.	295/30 CW 025/30	ESSEV (IAF)	3100
4.	025/30 CW 115/30	FAMRU (IAF)	3000

QUALITY
6
CHECKED

CITY AND STATE

BARDSTOWN, KY

ELEVATION: 669

TDZE: 669

AIRPORT NAME:

SAMUELS FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KBRY
RUNWAY RW20
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W20A
LTP/FTP LATITUDE 374914.5645N
LTP/FTP LONGITUDE 0852947.2635W
LTP/FTP ELLIPSOIDAL HEIGHT +01703
FPAP LATITUDE 374751.5800N
FPAP LONGITUDE 0853028.5200W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.50
LENGTH OFFSET 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

6A870279

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02038
FPAP ORTHOMETRIC HEIGHT +02038

QUALITY
6
CHECKED

CITY AND STATE
BARDSTOWN, KY

ELEVATION: 669 TDZE: 669
AIRPORT NAME:
SAMUELS FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:
RNAV (GPS) RWY 20, ORIG
11 FEB 2010

SUP:
AMD'T: NONE
DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBRYK5FR20	AESSEV	010ESSEVK5EA0E	A	IF					18000			A JS	
SUSAP KBRYK5FR20	AESSEV	020OXVORK5EA0EE	B	010TF		29470050		+ 03000				A JS	
SUSAP KBRYK5FR20	AFAMRU	010FAMRUK5EA0E	A	IF					18000			A JS	
SUSAP KBRYK5FR20	AFAMRU	020OXVORK5EA0EE	B	010TF		11450050		+ 03000				A JS	
SUSAP KBRYK5FR20	AOXVOR	010OXVORK5EA0EE	AR	HF		20460040		+ 03000		18000		A JS	
SUSAP KBRYK5FR20	R	010OXVORK5EA0E	I	IF				+ 03000		18000		A JS	
SUSAP KBRYK5FR20	R	020UNDOZK5EA1E	F	051TF		20460060		+ 02500				A JS	
SUSAP KBRYK5FR20	R	020UNDOZK5EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KBRYK5FR20	R	030RW20 K5PGOGY	M	031TF		20460055		00709		-300		A JS	
SUSAP KBRYK5FR20	R	040	0	M 010CA		2046		+ 01005				A JS	
SUSAP KBRYK5FR20	R	050MAARKK5EA0E		010DF								A JS	
SUSAP KBRYK5FR20	R	060JBEAMK5EA0EY	R010TFY			3103		+ 03000				A JS	
SUSAP KBRYK5FR20	R	070JBEAMK5EA0EE	R020HM			00800040		+ 03000				A JS	

[illegible]

QUALITY
6
CHECKED

SUP:	
AMDT:	NONE
DATED:	

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

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

[illegible]

QUALITY
6
CHECKED

ELEVATION: 669 TDZE: 669
AIRPORT NAME:
SAMUELS FIELD

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 20, ORIG
11 FEB 2010

SUP:	
AMDT:	NONE
DATED:	

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
PVD VORTAC	TAN NDB	077.63 / 20.64	1900	MAP: TAN NDB CLIMBING RIGHT TURN TO 1900 IN TAN NDB HOLDING PATTERN. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 313.58 INBOUND. CHART FAS OBST: 300 TOWER 415205N/0705736W CHART TDZE: 43. CHART APT ELEV: 43. FAC CROSSES RWY C/L EXTENDED 2998 FROM THLD.

1. PT L SIDE OF COURSE 133.58 OUTBOUND 1900 FT WITHIN 10 MILES OF TAN NDB (IAF)
 2. _____
 3. FAC 313.58 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: TAN NDB 090-180 1900, 180-090 2500

MAG VAR: 16W EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:	☐	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE:	N	☒	A	☒					
CATEGORY	=====>	A			B			C			D			E		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-30		700	1	657	700	1	657	700	1 3/4	657	700	2	657			
CIRCLING		700	1	657	700	1	657	700	1 3/4	657	700	2	657			

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEW BEDFORD ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, S-30 AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.
 CHART NOTE: CIRCLING NA FOR RWY 4-22.



CITY AND STATE TAUNTON, MA	ELEVATION: 43 TDZE: 43	FACILITY IDENTIFIER: TAN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 30, AMDT 5 11 FEB 2010	SUP NDB OR GPS RWY 30
	AIRPORT NAME: TAUNTON MUNI - KING FIELD			AMDT 4B
	DATE 07/05/1984			

**NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - FAR PART 97.27**

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

QUALITY
1
CHECKED

CITY AND STATE

TAUNTON, MA

ELEVATION: 43 TDZE: 43

AIRPORT NAME:

TAUNTON MUNI - KING FIELD

FACILITY
IDENTIFIER:

TAN

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

NDB RWY 30, AMDT 5

11 FEB 2010

SUP: NDB OR GPS RWY
30

AMDT: 4B

DATED: 07/05/1984

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
GAILS (IAF)	EKAYO (NOPT) (FB)	271.46 / 17.02	3000	LNAV: RW30 CLIMBING LEFT TURN TO 3000 DIRECT UPBIN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ADDITIONAL FLIGHT DATA: HOLD E, RT, 275.00 INBOUND. CHART FAS OBST: 300 TOWER 415205N/0705736W CHART R-4101. ICARA TO RW30: 3.05/45.			
ZUNUX (IAF)	EKAYO (NOPT) (FB)	025.87 / 10.06	3000				
EKAYO (IF/IAF)	ICARA (FB)	313.08 / 6.01	1900				

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
 2. HOLD SE EKAYO, RT, 313.08 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
 3. FAC: 303.76 FAF: ICARA DIST FAF TO MAP: 5.60 THLD: 5.60
 4. MIN. ALT: EKAYO 3000, ICARA 1900
 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____
 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____
 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR
 8. MSA FROM: RW30 2500

MAG VAR: 16W EPOCH YEAR: 1985

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A			STANDARD @					
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	600	1	557	600	1	557	600	1 1/2	557	600	1 3/4	557			
CIRCLING	620	1	577	620	1	577	620	1 1/2	577	660	2	617			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GAILS VIA V151 EASTBOUND.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
CHECKED

CITY AND STATE	ELEVATION: 43 TDZE: 43	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TAUNTON, MA	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 30, ORIG	AMDT: NONE
	TAUNTON MUNI - KING FIELD		11 FEB 2010	DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEW BEDFORD ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, LNAV CATS C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: CIRCLING NA TO RWY 4-22.

QUALITY
CHECKED

CITY AND STATE

TAUNTON, MA

ELEVATION: 43

TDZE: 43

AIRPORT NAME:

TAUNTON MUNI - KING FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTANK6FR30	AEKAYO	010EKAYOK6EA0EE	AR	HF		31310040	+	03000	18000		B	JS
SUSAP	KTANK6FR30	AGAILS	010GAILSK6EA0E	A	IF					18000		B	JS
SUSAP	KTANK6FR30	AGAILS	020EKAYOK6EA0EE	B	010TF		27150170	+	03000			B	JS
SUSAP	KTANK6FR30	AZUNUX	010ZUNUXK6EA0E	A	IF					18000		B	JS
SUSAP	KTANK6FR30	AZUNUX	020EKAYOK6EA0EE	B	010TF		02590101	+	03000			B	JS
SUSAP	KTANK6FR30	R	010EKAYOK6EA0E	I	IF			+	03000	18000		B	JS
SUSAP	KTANK6FR30	R	020ICARAK6EA1E	F	051TF		31310060	+	01900		RW30	K6PGB	JS
SUSAP	KTANK6FR30	R	020ICARAK6EA2WN			N	ALNAV						JS
SUSAP	KTANK6FR30	R	030RW30 K6PG0GY	M	031TF		30380056		00088		-305	B	JS
SUSAP	KTANK6FR30	R	040	0	M 010CA		3038	+	00443			B	JS
SUSAP	KTANK6FR30	R	050UPBINK6EA0EY	L010DF				+	03000			B	JS
SUSAP	KTANK6FR30	R	060UPBINK6EA0EE	R020HM			27500040	+	03000			B	JS

[illegible][illegible]

SUP:	
AMDT:	NONE
DATED:	



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW11 CLIMB TO 3000 DIRECT WILAG AND VIA TRACK 012.76 TO CEXED AND VIA TRACK 326.49 TO SAMME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 270.15 INBOUND. CHART FAS OBST: 927 TOWER 423237N/0855233W ITIKE TO RW11: 3.05/40. CHART HOLLAND ASOS
AZO VOR/DME	PMM VOR/DME (FB)	304.42 / 28.13	3000	
SAMME	SIGIE (FB)	270.15 / 14.87	3000	
ZEELE	SIGIE (FB)	185.91 / 13.86	3000	
PMM VOR/DME (IAF)	PUGNE (NOPT) (FB)	013.06 / 5.46	3000	
SIGIE (IAF)	PUGNE (NOPT) (FB)	192.51 / 5.00	3000	
PUGNE (IF/IAF)	ITIKE (FB)	102.50 / 6.07	2500	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD W PUGNE, RT, 102.50 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 102.59 FAF: ITIKE DIST FAF TO MAP: 5.43 THLD: 5.43
- MIN. ALT: PUGNE 3000, ITIKE 2500
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW11 3000

MAG VAR: 5W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X											
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	1220	1	514	1220	1	514	1220	1 1/2	514		NA					
CIRCLING	1280	1	574	1280	1	574	1280	1 1/2	574		NA					

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: USE HOLLAND ALTIMETER SETTING, WHEN NOT RECEIVED USE GRAND RAPIDS ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE. CHART PLANVIEW NOTE:
 SEE 8260-10

QUALITY
CHECKED

CITY AND STATE	ELEVATION: 706 TDZE: 706	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ALLEGAN, MI	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 11, ORIG	AMDT: NONE
	PADGHAM FIELD		11 FEB 2010	DATED

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

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

NOTES CONT.

PROCEDURE NA FOR ARRIVALS AT AZO VOR/DME VIA V116 EASTBOUND, AND FOR ARRIVALS ON PMM VOR/DME
AIRWAY RADIALS 029 CW 091.

QUALITY
CHECKED

CITY AND STATE

ALLEGAN, MI

ELEVATION: 706 TDZE: 706

AIRPORT NAME:

PADGHAM FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 11, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 35D K5FR11	AAZO	010AAZO	K5D	OV	IF				18000			B	JS
SUSAP 35D K5FR11	AAZO	020PMM	K5D	OV	A 020TF		30440281	+	03000			B	JS
SUSAP 35D K5FR11	AAZO	030PUGNEK5EAOEE	B	010TF			01310055	+	03000			B	JS
SUSAP 35D K5FR11	APUGNE	010PUGNEK5EAOEE	AR	HF			10250040	+	03000	18000		B	JS
SUSAP 35D K5FR11	ASAMME	010SAMMEK5EAOE	IF							18000		B	JS
SUSAP 35D K5FR11	ASAMME	020SIGIEK5EAOE	A	020TF			27020149	+	03000			B	JS
SUSAP 35D K5FR11	ASAMME	030PUGNEK5EAOEE	B	010TF			19250050	+	03000			B	JS
SUSAP 35D K5FR11	AZEELE	010ZEELEK5EAOE	IF							18000		B	JS
SUSAP 35D K5FR11	AZEELE	020SIGIEK5EAOE	A	020TF			18590139	+	03000			B	JS
SUSAP 35D K5FR11	AZEELE	030PUGNEK5EAOEE	B	010TF			19250050	+	03000			B	JS
SUSAP 35D K5FR11	R	010PUGNEK5EAOE	I	IF				+	03000	18000		B	JS
SUSAP 35D K5FR11	R	020ITIKEK5EAE	F	051TF			10250061	+	02500		RW11	K5PGB	JS
SUSAP 35D K5FR11	R	020ITIKEK5E2WN			N	ALNAV							JS
SUSAP 35D K5FR11	R	030RW11	K5PGOGY	M	031TF		10260054		00744	-305		B	JS

QUALITY
6
CHECKED

CITY AND STATE ALLEGAN, MI	ELEVATION: 706 TDZE: 706 AIRPORT NAME: PADGHAM FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG 11 FEB 2010	SUP:	
				AMDT:	NONE
				DATED:	

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP 35D K5FR11	R	040WILAGK5EA0E M	010DF								B JS		
SUSAP 35D K5FR11	R	050CEXEDK5EA0E	010TF				0128				B JS		
SUSAP 35D K5FR11	R	060SAMMEK5EA0EY	010TF				3265	+ 03000			B JS		
SUSAP 35D K5FR11	R	070SAMMEK5EA0EE	R020HM				27020040	+ 03000			B JS		
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP 35D K5GRW11		0043001027 N42315111W085494993+0000					+0181400704000040075R						
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP 35D K5SRW11	K5PG		0	18018003025							M		



CITY AND STATE ALLEGAN, MI	ELEVATION: 706 TDZE: 706	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME: PADGHAM FIELD			AMDT: NONE
				DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.			
TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW29 CLIMB TO 3000 DIRECT ITIKE AND RIGHT TURN VIA TRACK 012.59 TO HEDUT AND VIA TRACK 094.25 TO SAMME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 122.15 INBOUND. CHART FAS OBST: 1089 TOWER 423031N/0854607W WILAG TO RW29: 3.04/40. CHART HOLLAND ASOS.			
AZO VOR/DME	ZADGO (FB)	000.36 / 11.06	3000				
PMM VOR/DME	ZADGO (FB)	101.38 / 23.77	3000				
SAMME	CIGUL (FB)	122.15 / 9.75	3000				
BOHRR (IAF)	ENRUW (NOPT) (FB)	232.12 / 7.45	3000				
CIGUL (IAF)	ENRUW (NOPT) (FB)	192.86 / 5.00	3000				
ZADGO (IAF)	ENRUW (NOPT) (FB)	012.84 / 5.00	3000				
ENRUW (IF/IAF)	WILAG (FB)	282.85 / 6.06	2500				

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)			
2. HOLD E ENRUW, RT, 282.85 INBOUND, 3000 FT. IN LIEU OF PT (IAF)			
3. FAC: <u>282.76</u> FAF: <u>WILAG</u>		DIST FAF TO MAP: <u>5.44</u> THLD: <u>5.44</u>	
4. MIN. ALT: <u>ENRUW 3000, WILAG 2500</u>			
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>			
6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>			
7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u>			
8. MSA FROM: <u>RW29 3000</u>			

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A	X										
CATEGORY >>>>>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	1380	1	675	1380	1	675	1380	2	675		NA					
CIRCLING	1380	1	674	1380	1	674	1380	2	674		NA					

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: USE HOLLAND ALTIMETER SETTING, WHEN NOT RECEIVED USE GRAND RAPIDS INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PMM VOR/DME AIRWAY RADIALS 091 CW 112.

CITY AND STATE	ELEVATION: 706 TDZE: 705	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ALLEGAN, MI	AIRPORT NAME: PADGHAM FIELD		RNAV (GPS) RWY 29, ORIG 11 FEB 2010	NONE
				DATED

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 35D K5FR29	AAZO	010AZO	K5D	0V	IF					19000		B	JS
SUSAP 35D K5FR29	AAZO	020ZADGOK5EA0E	A	020TF		00040111	+	03000				B	JS
SUSAP 35D K5FR29	AAZO	030ENRUWK5EA0EE	B	010TF		01280050	+	03000				B	JS
SUSAP 35D K5FR29	ABOHRR	010BOHRRK5EA0E	A	IF						18000		B	JS
SUSAP 35D K5FR29	ABOHRR	020ENRUWK5EA0EE	B	010TF		23210075	+	03000				B	JS
SUSAP 35D K5FR29	AENRUW	010ENRUWK5EA0EE	AR	HF		28290040	+	03000		18000		B	JS
SUSAP 35D K5FR29	APMM	010PMM	K5D	0V	IF					18000		B	JS
SUSAP 35D K5FR29	APMM	020ZADGOK5EA0E	A	020TF		10140238	+	03000				B	JS
SUSAP 35D K5FR29	APMM	030ENRUWK5EA0EE	B	010TF		01280050	+	03000				B	JS
SUSAP 35D K5FR29	ASAMME	010SAMMEK5EA0E		IF						18000		B	JS
SUSAP 35D K5FR29	ASAMME	020CIGULK5EA0E	A	020TF		12220098	+	03000				B	JS
SUSAP 35D K5FR29	ASAMME	030ENRUWK5EA0EE	B	010TF		19290050	+	03000				B	JS
SUSAP 35D K5FR29	R	010ENRUWK5EA0E	I	IF			+	03000		18000		B	JS

RECEIVED
JAN 11 1964

CITY AND STATE ALLEGAN, MI	ELEVATION: 706 TDZE: 705 AIRPORT NAME: PADGHAM FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

SUSAP	35D	K5FR29	R	020WILAGK5EA1E	F	051TF		28290061	+	02500		RW29	K5PGB	JS
SUSAP	35D	K5FR29	R	020WILAGK5EA2WN			N	ALNAV						JS
SUSAP	35D	K5FR29	R	030RW29	K5PG0GY	M	031TF	28280054		00743		-304		B JS
SUSAP	35D	K5FR29	R	040ITIKEK5EA0E	M	010DF								B JS
SUSAP	35D	K5FR29	R	050HEDUTK5EA0E		R010TFY		0126						B JS
SUSAP	35D	K5FR29	R	060SAMMEK5EA0EY		010TF		0943	+	03000				B JS
SUSAP	35D	K5FR29	R	070SAMMEK5EA0EE		L020HM		12220040	+	03000				B JS

SUSAP 35D K5GRW29 0043002827 N42314544W085485301+0000 +0181100703000040075R

SUSAP 35D K5SRW29 K5PG	0	18018003025	M

QUALITY CHECKED

PAGE 3 OF 3 PAGES

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 15, 33 NA - ENVIRONMENTAL.

RWY 11, 29 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 11 - CLIMB HEADING 102.67 TO 1200 BEFORE TURNING RIGHT.

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 11, MULTIPLE TREES BEGINNING 46 FEET FROM DER, 10 FEET LEFT OF CENTERLINE, UP TO 97 FEET AGL/806 FEET MSL. MULTIPLE TREES BEGINNING 1 FOOT FROM DER, 2 FEET RIGHT OF CENTERLINE, UP TO 100 FEET AGL/794 FEET MSL. NOTE: RWY 29, MULTIPLE TREES BEGINNING 37 FEET FROM DER, 4 FEET LEFT OF CENTERLINE, UP TO 83 FEET AGL/802 FEET MSL, MULTIPLE TREES BEGINNING 22 FEET FROM DER, 20 FEET RIGHT OF CENTERLINE, UP TO 84 FEET AGL/803 FEET MSL.

(4) CONTROLLING OBSTACLES:

RWY 11: 1089 MSL TOWER, 423031.00N-0854607.00W



(5) City, State ALLEGAN, MI	(6) Airport PADGHAM FIELD	(7) Effective Date 11 FEB 2010	(8) Amct. No. 2

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH and RA Altitudes are minimum altitudes unless otherwise indicated Ceilings are in feet above airport elevation Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW30L CLIMB TO 4000 DIRECT WIDEL AND VIA TRACK 227.75 TO FCM VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 080.00 INBOUND. CHART FAS OBST: 883 TREE 445212N/0931159W CHART FAS OBST: 1049 TREE 445057N/0930956W 1189 AAO 445033N/0930542W DISTANCE TO THLD FROM 200 HAT: 0.49 NM. CHART VDP AT 1.47 MILES TO RW30L* *LNAV ONLY. WAAS CHANNEL # 56225 REFERENCE PATH ID: W30A							
PRESS (IAF)		PINKE (FB)		278.83 / 8.96				5000%									
PINKE (IF)		NARCO (FB)		299.58 / 8.87				3000									
1 PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2 PROFILE STARTS AT PINKE 3 FAC: <u>299.45</u> FAF: <u>NARCO</u> DIST FAF TO MAP: <u>6.57</u> THLD: <u>6.57</u> 4 MIN ALT <u>PINKE 5000%, NARCO 3000, EAGAN/2.10 NM TO RW30L 1540*</u> 5 DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT. _____ 6 MIN GS INCPT: <u>3000</u> GS ALT AT: <u>NARCO</u> OM: _____ MM: _____ IM: _____ 7 GS ANGLE: <u>3.00</u> TCH: <u>53.6</u> <u>34:1 IS CLEAR</u> 8 MSA FROM: <u>RW30L 3500</u>										MAG VAR: 2E		EPOCH YEAR: 1995					
MINIMUMS																	
TAKEOFF		STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A		STANDARD @									
CATEGORY =====>	A			B			C			D			E				
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	1023	1800	200	1023	1800	200	1023	1800	200	1023	1800	200	1023	1800	200		
LNAV/VNAV DA	1368	1 1/2	545	1368	1 1/2	545	1368	1 1/2	545	1368	1 1/2	545	1368	1 1/2	545		
LNAV MDA	1360	2400	537	1360	2400	537	1360	5000	537	1360	6000	537	1360	1 1/2	537		
CIRCLING	1360	1	519	1360	1	519	1360	1 1/2	519	1460	2	619	1660	3	819		
NOTES CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LPV ALL CATS VISIBILITY TO RVR 4000, INCREASE LNAV/VNAV CAT E VISIBILITY TO 2, INCREASE LNAV CAT E VISIBILITY TO 2. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10																	
CITY AND STATE MINNEAPOLIS, MN				ELEVATION: 841 TDZE: 823 AIRPORT NAME. MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30L, AMDT 2, 02/11/2010 11 FEB 2010				SUP:			
														AMDT: 1			
														DATED 09/29/2005			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PRESS VIA V26 EAST BOUND AND V2-97 SOUTHEAST BOUND.

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

%3000 WHEN AUTHORIZED BY ATC

CITY AND STATE

MINNEAPOLIS, MN

ELEVATION: 841 TDZE: 823

AIRPORT NAME:

MINNEAPOLIS-ST PAUL INTL/WOLD-
CHAMBERLAINFACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30L, AMDT 2, 02/11/2010

11 FEB 2010

SUP:

AMDT: 1

DATED: 09/29/2005

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSP
RUNWAY	RW30L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	445224.6700N
LTP/FTP LONGITUDE	0931204.2500W
LTP/FTP ELLIPSOIDAL HEIGHT	+02207
FPAP LATITUDE	445316.4200N
FPAP LONGITUDE	0931403.7500W
THRESHOLD CROSSING HEIGHT (TCH)	00053.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0024
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER F8D01E97

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02479
FPAP ORTHOMETRIC HEIGHT	+02479



CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 841 TDZE: 823 AIRPORT NAME MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	FACILITY IDENTIFIER RNAV	PROCEDURE NO / AMDT NO /EFFECTIVE DATE RNAV (GPS) RWY 30L, AMDT 2, 02/11/2010 11 FEB 2010	SUP
				AMDT 1
				DATED 09/29/2005

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[illegible]

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 841 TDZE: 823 AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD- CHAMBERLAIN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30L, AMDT 2, 02/11/2010 11 FEB 2010	SUP:
				AMDT: 1
				DATED: 09/29/2005

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CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 841 TDZE: 823 AIRPORT NAME: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30L, AMDT 2, 02/11/2010 11 FEB 2010	SUP:
				AMDT: 1
				DATED: 09/29/2005

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 11, 29 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

(5) City, State

WOLF POINT, MT

(6) Airport

L.M. CLAYTON

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

ORIG



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

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TERMINAL ROUTES										MISSED APPROACH							
FROM			TO			COURSE AND DISTANCE			ALTITUDE								
HIDEL			FEVLA (FB)			290.02 / 17.60			4200	LPV: DA LNAV/VNAV: DA LNAV: RW08							
MOT VORTAC			GEBVE (FO)			259.54 / 11.27			3900	CLIMB TO 3600 DIRECT SIRSE AND HOLD.							
WELOG (IAF)			GEBVE (NOPT) (FB)			083.50 / 4.14			3900								
FEVLA (IAF)			GEBVE (NOPT) (FB)			350.03 / 5.00			3900								
EGOCE (IAF)			GEBVE (NOPT) (FB)			170.03 / 5.00			3900								
GEBVE (IF/IAF)			IBNEF (FB)			080.03 / 4.68			3600	ADDITIONAL FLIGHT DATA: HOLD E, LT, 260.47 INBOUND. CHART FAS OBST: 1900 OL TK 481547N/1011905W CHART FAS OBST: 1904 TREE 481552N/1012006W CHART 1778 TREE 481530N/1011758W. DISTANCE TO THLD FROM 279 HAT: 0.72 NM. CHART VDP AT 1.25 MILES TO RW08* *LNAV ONLY. WAAS CHANNEL # 97616 REFERENCE PATH ID: W08A CHART 1919 TREE 481459N/1012519W							
IBNEF			HAXAT (FB)			080.12 / 1.42			3400								
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)																	
2. HOLD W GEBVE, RT, 080.03 INBOUND, 3900 FT. IN LIEU OF PT (IAF)																	
3. FAC: <u>080.14</u> FAF: <u>HAXAT</u> DIST FAF TO MAP: <u>5.08</u> THLD: <u>5.08</u>																	
4. MIN. ALT: <u>GEBVE 3900, IBNEF 3600, HAXAT 3400</u>																	
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>																	
6. MIN GS INCPT: <u>3400</u> GS ALT AT: <u>HAXAT</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>																	
7. GS ANGLE: <u>3.00</u> TCH: <u>49.0</u> 34:1 IS NOT CLEAR																	
8. MSA FROM: <u>RW08 4200</u>																	
MAG VAR: 10E EPOCH YEAR: 1990																	
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @					
CATEGORY ==>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	1991	1	279	1991	1	279	1991	1	279	1991	1	279					
LNAV/VNAV DA	2218	1 3/4	506	2218	1 3/4	506	2218	1 3/4	506	2218	1 3/4	506					
LNAV MDA	2160	1	448	2160	1	448	2160	1 1/4	448	2160	1 1/2	448					
CIRCLING	2200	1	484	2200	1	484	2280	1 1/2	564	2280	2	584					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 45C (113F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: BARO-VNAV NA WHEN USING MINOT AFB ALTIMETER SETTING. SEE 8260-10																	
CITY AND STATE MINOT, ND				ELEVATION: 1716 TDZE: 1712 AIRPORT NAME: MINOT INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG 11 FEB 2010				SUP: AMDT: NONE DATED			

QUALITY
6
CHECKED

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

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

NOTES CONT.**CHART NOTE: VDP NA WITH MINOT AFB ALTIMETER SETTING.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MINOT AFB ALTIMETER SETTING AND INCREASE ALL DA 30 FEET AND ALL MDA 40 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MOT VORTAC VIA V491 NORTHEAST BOUND.****CHART PLANVIEW NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY AT EGOCE.**

CITY AND STATE

MINOT, ND

ELEVATION: 1716 TDZE: 1712

AIRPORT NAME:

MINOT INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMOT
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	481528.9360N
LTP/FTP LONGITUDE	1011721.0565W
LTP/FTP ELLIPSOIDAL HEIGHT	+05014
FPAP LATITUDE	481528.5500N
FPAP LONGITUDE	1011507.7200W
THRESHOLD CROSSING HEIGHT (TCH)	00049.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0936
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

A7A1B2DF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05217
FPAP ORTHOMETRIC HEIGHT	+05217

CITY AND STATE
MINOT, ND

ELEVATION: 1716 TDZE: 1712
AIRPORT NAME:
MINOT INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 8, ORIG
11 FEB 2010

SUP:
AMDT: NONE
DATED:

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

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

CITY AND STATE MINOT, ND	ELEVATION: 1716 TDZE: 1712 AIRPORT NAME: MINOT INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KMOTK3FR08	R	030RW08	K3PG0GY	M	031TF		08010051	01761	-300		A JS	
	SUSAP KMOTK3FR08	R	040		0	M	010CA	0801	+ 01991			A JS	
	SUSAP KMOTK3FR08	R	050SIRSEK3EA0EY		010DF				+ 03600			A JS	
	SUSAP KMOTK3FR08	R	060SIRSEK3EA0EE		L020HM			26050040	+ 03600			A JS	
	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KMOTK3GRW08		0063510802	N48152894W	101172106-0900			+0501401712039349100R					
	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KMOTK3PR08	RW08	001	0000W08A0N4815289360W	10117210565+050140300N4815285500W	10115077200106750936000490F	400500A7A1B2DF						
	SUSAP KMOTK3PR08	RW08	002E	+05217+05217LPV	97616								
	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KMOTK3SRW08	K3PG		0	18018004225							M	

CITY AND STATE
MINOT, ND

ELEVATION: 1716 TDZE: 1712
 AIRPORT NAME:
 MINOT INTL

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 8, ORIG
 11 FEB 2010

SUP:
 AMDT: NONE
 DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES				MISSED APPROACH													
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW26 CLIMB TO 3900 DIRECT GEBVE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 080.03 INBOUND. CHART FAS OBST: 1789 TREE 481521N/1011403W DISTANCE TO THLD FROM 250 HAT: 0.70 NM. CHART VDP AT 1.04 MILES TO RW26* *LNAV ONLY. WAAS CHANNEL # 56516 REFERENCE PATH ID: W26A													
HIDEL	TIZTO (FB)	033.61 / 11.98	3600														
MOT VORTAC	SIRSE (FO)	080.89 / 12.24	3600														
BALTA (IAF)	SIRSE (NOPT) (FB)	266.38 / 37.69	3600														
TIZTO (IAF)	SIRSE (NOPT) (FB)	350.47 / 5.00	3600														
UCARI (IAF)	SIRSE (NOPT) (FB)	170.47 / 5.00	3600														
SIRSE (IF/IAF)	REMRE (FB)	260.47 / 6.10	3400														
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E SIRSE, LT, 260.47 INBOUND, 3600 FT. IN LIEU OF PT (IAF) 3. FAC: 260.36 FAF: REMRE <u> </u> DIST FAF TO MAP: 5.24 THLD: 5.24 4. MIN. ALT: SIRSE 3600, REMRE 3400 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 3400 GS ALT AT: REMRE <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR 8. MSA FROM: RW26 4200				MAG VAR: 10E EPOCH YEAR: 1990													
MINIMUMS																	
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @												
CATEGORY =====>	A			B			C			D			E				
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	1932	1	250	1932	1	250	1932	1	250	1932	1	250					
LNAV/VNAV DA	1932	1	250	1932	1	250	1932	1	250	1932	1	250					
LNAV MDA	2040	1	358	2040	1	358	2040	1	358	2040	1 1/4	358					
CIRCLING	2200	1	484	2200	1	484	2280	1 1/2	564	2280	2	564					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 45C (113F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: BARO-VNAV NA WHEN USING MINOT AFB ALTIMETER SETTING. CHART NOTE: VDP NA WITH MINOT AFB ALTIMETER SETTING. SEE 8260-10																	
CITY AND STATE				ELEVATION: 1716 TDZE: 1682				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
MINOT, ND				AIRPORT NAME:								RNAV (GPS) RWY 26, ORIG				AMDT: NONE	
				MINOT INTL								11 FEB 2010				DATED	

QUALITY
 6
 CHECKED

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

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MINOT AFB ALTIMETER SETTING AND INCREASE ALL DA 30 FEET AND ALL MDA 40 FEET; INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY AT UCARI.

QUALITY
6
CHECKED

CITY AND STATE

MINOT, ND

ELEVATION: 1716 TDZE: 1682

AIRPORT NAME:

MINOT INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, ORIG

11 FEB 2010

SUP:

AMDT:

NONE

DATED:

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMOT
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	481528.6830N
LTP/FTP LONGITUDE	1011553.0140W
LTP/FTP ELLIPSOIDAL HEIGHT	+04850
FPAP LATITUDE	481529.0600N
FPAP LONGITUDE	1011806.3500W
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	0816
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

A62D8DB3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05054
FPAP ORTHOMETRIC HEIGHT	+05054

QUALITY
CHECKED

CITY AND STATE MINOT, ND	ELEVATION: 1716 TDZE: 1682 AIRPORT NAME: MINOT INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMOTK3FR26	ABALTA	010BAL	TAK3EA0E	A	IF					18000		A JS	
SUSAP KMOTK3FR26	ABALTA	020SIRSEK3EA0EE	B	010TF		26640377		+ 03600				A JS	
SUSAP KMOTK3FR26	AHIDEL	010HIDELK3EA0E		IF						18000		A JS	
SUSAP KMOTK3FR26	AHIDEL	020TIZTOK3EA0E	A	020TF		03360120		+ 03600				A JS	
SUSAP KMOTK3FR26	AHIDEL	030SIRSEK3EA0EE	B	010TF		35050050		+ 03600				A JS	
SUSAP KMOTK3FR26	AMOT	010MOT	K3D	0V	IF					18000		A JS	
SUSAP KMOTK3FR26	AMOT	020SIRSEK3EA0EY		020TF		08090122		+ 03600				A JS	
SUSAP KMOTK3FR26	AMOT	030SIRSEK3EA0EE	AL	HF		26050040		+ 03600				A JS	
SUSAP KMOTK3FR26	AUCARI	010UCARIK3EA0E	A	IF						18000		A JS	
SUSAP KMOTK3FR26	AUCARI	020SIRSEK3EA0EE	B	010TF		17050050		+ 03600				A JS	
SUSAP KMOTK3FR26	R	010SIRSEK3EA0E	I	IF				+ 03600		18000		A JS	
SUSAP KMOTK3FR26	R	020REMREK3EA1E	F	051TF		26050061		+ 03400			RW26	K3PGA	JS
SUSAP KMOTK3FR26	R	020REMREK3EA2WALPV			ALNAV/VNAV								JS
SUSAP KMOTK3FR26	R	030RW26	K3PG0GY	M	031TF	26040052		01708		-300		A JS	
SUSAP KMOTK3FR26	R	040	0	M	010CA	2604		+ 01932				A JS	

QUALITY
6
CHECKED

CITY AND STATE MINOT, ND	ELEVATION: 1716 TDZE: 1682 AIRPORT NAME: MINOT INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

QUALITY
6
CHECKED

CITY AND STATE MINOT, ND	ELEVATION: 1716 TDZE: 1682 AIRPORT NAME: MINOT INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.23					Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES					MISSED APPROACH										
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: MOT VORTAC CLIMB TO 3800 THEN RIGHT TURN DIRECT MOT VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW. RT, 067.00 INBOUND. CHART FAS OBST: 1914 TREE 481640N/1012109W CHART VDP AT 1.42 DME; DISTANCE VDP TO THLD 1.32 MILES. EMDEW TO RW08: 3.26/49. FAC 133L OF RWY C/L EXTENDED 3000 FROM THLD.											
1. PT <u>L</u> SIDE OF COURSE <u>247.00</u> OUTBOUND <u>3800</u> FT WITHIN <u>10</u> MILES OF <u>MOT VORTAC</u> (IAF) 2. _____ 3. FAC <u>067.00</u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT <u>EMDEW/MOT 3.00 DME 2760*</u> 8. MSA FROM: <u>MOT VORTAC 090-270 4200, 270-090 3700</u>					MAG VAR: 13E EPOCH YEAR: 1965										
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		@						
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-8	2760	1 1/4	1048	2760	1 1/2	1048	2760	3	1048	2760	3	1048			
CIRCLING	2760	1 1/4	1044	2760	1 1/2	1044	2760	3	1044	2760	3	1044			
EMDEW FIX MINIMUMS															
S-8	2180	1	468	2180	1	468	2180	1 1/4	468	2180	1 1/2	468			
CIRCLING	2200	1	484	2200	1	484	2280	1 1/2	564	2280	2	564			
NOTES: CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART PROFILE NOTE: *2800 WHEN USING MINOT AFB ALTIMETER SETTING. CHART NOTE: VDP NA WITH MINOT AFB ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MINOT AFB ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET; EMDEW FIX MINIMUMS INCREASE S-8 AND CIRCLING CAT C VISIBILITY 1/4 MILE.															
CITY AND STATE		ELEVATION: 1716 TDZE: 1712		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR OR GPS RWY					
MINOT, ND		AIRPORT NAME:		MOT		VOR RWY 8, AMDT 11				8					
		MINOT INTL				11 FEB 2010				AMDT 10B					
										DATE 04/13/2006					

QUALITY
 6
 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.23					Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES					MISSED APPROACH										
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: MOT VORTAC CLIMB TO 3600 THEN LEFT TURN DIRECT MOT VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 264.00 INBOUND. CHART FAS OBST: 1789 TREE 481521N/1011403W CHART VDP AT 1.95 DME; DISTANCE VDP TO THLD 1.04 MILES. EMEBY TO RW26: 2.91/50. CHART 3500 PRIOR TO MOT VORTAC IN PROFILE. FAC 158L OF RWY C/L EXTENDED 3000 FROM THLD.											
1. PT <u>R</u> SIDE OF COURSE <u>084.00</u> OUTBOUND <u>3400</u> FT WITHIN <u>10</u> MILES OF <u>MOT VORTAC</u> (IAF) 2. _____ 3. FAC <u>264.00</u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT <u>EMEBY/MOT 3.60 DME 2540*</u> 8. MSA FROM: <u>MOT VORTAC 090-270 4200, 270-090 3700</u>					MAG VAR: 13E EPOCH YEAR: 1965										
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE:	N A			@					
CATEGORY ==>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-26	2540	1	858	2540	1 1/4	858	2540	2 1/2	858	2540	2 3/4	858			
CIRCLING	2540	1	824	2540	1 1/4	824	2540	2 1/2	824	2540	2 3/4	824			
EMEBY FIX MINIMUMS															
S-26	2040	1	358	2040	1	358	2040	1	358	2040	1 1/4	358			
CIRCLING	2200	1	484	2200	1	484	2280	1 1/2	564	2280	2	564			
NOTES: CHART PLANVIEW NOTE: *2580 WHEN USING MINOT AFB ALTIMETER SETTING. CHART NOTE: VDP NA WITH MINOT AFB ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MINOT AFB ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET; INCREASE S-26 AND CIRCLING CATS A/C/D VISIBILITY 1/4 MILE, AND EMEBY FIX MINIMUMS CIRCLING CAT C VISIBILITY 1/4 MILE.															
CITY AND STATE		ELEVATION: 1716 TDZE: 1682		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR OR GPS RWY					
MINOT, ND		AIRPORT NAME:		MOT		VOR RWY 26, AMDT 13				26					
		MINOT INTL				11 FEB 2010				AMDT 12B					
										DATE 06/05/2008					

 QUALITY
6
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW10	
LAROE	ZAMIM (FB)	324.01 / 40.10	7100	CLIMBING LEFT TURN TO 4800 DIRECT LIDOW AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS 08ST: 1832 TREE 442040N/0713738W CHART 2265 TREE 442254N/0714018W. CHART VDP AT 2.28 MILES TO RW10. CHART 2186 TREE 442308N/0714007W ELJUM TO RW10: 3.06/45	
MPV VOR/DME	IREYU (FB)	072.73 / 20.99	6000		
JOBBY	AYZOO (FB)	288.95 / 25.82	7100		
AYZOO	LIDOW (FO)	259.84 / 8.76	4800		
IREYU (IAF)	LIDOW (NOPT) (FB)	078.07 / 9.21	4800		
ZAMIM (IAF)	LIDOW (NOPT) (FB)	046.31 / 14.20	4800		
LIDOW (IF/IAF)	ELJUM (FB)	103.93 / 6.10	3400		
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W LIDOW, RT, 103.93 INBOUND, 4800 FT. IN LIEU OF PT (IAF) 3. FAC: <u>104.02</u> FAF: <u>ELJUM</u> DIST FAF TO MAP: <u>7.10</u> THLD: <u>7.10</u> 4. MIN. ALT: LIDOW 4800, ELJUM 3400, PAYIK/4.70 NM TO RW10 2600 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW10 7500</u>				MAG VAR: 17W EPOCH YEAR: 1995	
MINIMUMS					
TAKEOFF: <u> </u>	STANDARD ☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	@	
CATEGORY <=====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LNAV MDA	1940	1 1/4	883	1940	1 1/4
CIRCLING	1940	1 1/4	866	1940	1 1/4
NOTES: CHART NOTE: CIRCLING NA SOUTH OF RWY 10-28. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. SEE 8260-10					
CITY AND STATE WHITEFIELD, NH		ELEVATION: 1074 TDZE: 1057 AIRPORT NAME: MOUNT WASHINGTON REGIONAL		FACILITY IDENTIFIER: RNAV PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 10, ORIG 11 FEB 2010	
				SUP: AMDT: NONE DATED	

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

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

NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MPV VOR/DME VIA V447 SOUTHWEST BOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LYNDONVILLE ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE LNAV AND CIRCLING CAT B/C VISIBILITIES 1/4 MILE.

CHART NOTE: VDP NA WITH LYNDONVILLE ALTIMETER SETTING.

CHART NOTE: CIRCLING TO RWY 28 NA AT NIGHT.

CITY AND STATE

WHITEFIELD, NH

ELEVATION: 1074 TDZE: 1057

AIRPORT NAME:

MOUNT WASHINGTON REGIONAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 10, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHIEK6FR10-Y AJOB	010	JOB	BYK6EA0E	IF					18000		B	JS	G
SUSAP KHIEK6FR10-Y AJOB	020	AYZ00K6EA0E	020TF			28900258	+	07100			B	JS	G
SUSAP KHIEK6FR10-Y AJOB	030	LIDOWK6EA0EY	020TF			25980088	+	04800			B	JS	G
SUSAP KHIEK6FR10-Y AJOB	040	LIDOWK6EA0EE	AR HF			10390050	+	04800			B	JS	G
SUSAP KHIEK6FR10-Y ALAR	010	LAROEK6EA0E	IF						18000		B	JS	G
SUSAP KHIEK6FR10-Y ALAR	020	ZAMIMK6EA0E	A 020TF			32400401	+	07100			B	JS	G
SUSAP KHIEK6FR10-Y ALAR	030	LIDOWK6EA0EE	B 010TF			04630142	+	04800			B	JS	G
SUSAP KHIEK6FR10-Y AMPV	010	MPV K6D 0V	IF						18000		B	JS	G
SUSAP KHIEK6FR10-Y AMPV	020	IREYUK6EA0E	A 020TF			07270210	+	06000			B	JS	G
SUSAP KHIEK6FR10-Y AMPV	030	LIDOWK6EA0EE	B 010TF			07810092	+	04800			B	JS	G
SUSAP KHIEK6FR10-Y R	010	LIDOWK6EA0E	I IF						18000		B	JS	G
SUSAP KHIEK6FR10-Y R	020	ELJUMK6EA1E	F 051TF			10390061	+	03400			RW10	K6PGB	JS G
SUSAP KHIEK6FR10-Y R	020	ELJUMK6EA2WN		N	ALNAV							JS	G
SUSAP KHIEK6FR10-Y R	021	PAYIKK6EA0E	S 031TF			10400024	V	0260002610		-306	B	JS	G

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.

100

SUP:	
AMDT:	NONE
DATED:	

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA
LAROE	ZAMIM (FB)	324.01 / 40.10	7100	CLIMB TO 7100 DIRECT CRESY AND VIA TRACK 098.76 TO JOBBY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7100.
MPV VOR/DME	IREYU (FB)	072.73 / 20.99	6000	
JOBBY	AYZOO (FB)	288.95 / 25.82	7100	
AYZOO	LIDOW (FB)	259.84 / 8.76	4800	
IREYU (IAF)	LIDOW (NOPT) (FB)	078.07 / 9.21	4800	ADDITIONAL FLIGHT DATA: HOLD N, RT, 178.00 INBOUND. DISTANCE TO THLD FROM 450 HAT: 1.30 NM. WAAS CHANNEL # 53512 REFERENCE PATH ID: W10A
ZAMIM (IAF)	LIDOW (NOPT) (FB)	046.31 / 14.20	4800	
LIDOW (IF/IAF)	ELJUM (FB)	103.93 / 6.10	3400	
ELJUM (FAF)	RW10 (FO)	104.02 / 7.10		
RW10 (MAP)	1474 MSL (CA)	104.02		
1474 MSL	CRESY (FB)			
CRESY	JOBBY (FO)	098.76/16.60	3400	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD W LIDOW, RT, 103.93 INBOUND, 4800 FT. IN LIEU OF PT (IAF)
3. FAC: 104.02 FAF: DIST FAF TO MAP: THLD:
4. MIN. ALT: LIDOW 4800, ELJUM 3400
5. DIST TO THLD FROM OM: 7.10 MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 3400 GS ALT AT: ELJUM OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM: RW10 7500

MAG VAR: 17W EPOCH YEAR: 1995

[illegible]

NOTES:
CHART NOTE: CIRCLING NA SOUTH OF RWY 10-28.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
SEE 8260-10

NA WHEN LOCAL WEATHER NOT AVAILABLE

QUALITY
6
CRAFT

CITY AND STATE WHITEFIELD, NH	ELEVATION: 1074 TDZE: 1057 AIRPORT NAME: MOUNT WASHINGTON REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 10, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED

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

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

NOTES CONT.

CHART PLANVIEW NOTE: *MISSED APPROACH OBSTRUCTIONS REQUIRE A MINIMUM CLIMB GRADIENT OF 335 FEET PER NM TO 4200, IF UNABLE TO COMPLY, SEE RNAV (GPS) Y RWY 10.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LYNDONVILLE ALTIMETER SETTING AND INCREASE DA 71 FEET, MDA 80 FEET, AND INCREASE VISIBILITY ALL CATS 1/2 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MPV VOR/DME VIA V447 SOUTHWEST BOUND.

CHART NOTE: CIRCLING REQUIRES DESCENT ON GLIDEPATH TO MDA.

CHART NOTE: CIRCLING TO RWY 28 NA AT NIGHT.

QUALITY
CHECKED

CITY AND STATE WHITEFIELD, NH	ELEVATION: 1074 TDZE: 1057 AIRPORT NAME: MOUNT WASHINGTON REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 10, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHIE
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	442202.2090N
LTP/FTP LONGITUDE	0713312.4205W
LTP/FTP ELLIPSOIDAL HEIGHT	+02923
FPAP LATITUDE	442206.6400N
FPAP LONGITUDE	0713108.3600W
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

F852BDCB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03194
FPAP ORTHOMETRIC HEIGHT	+03194

2011
6
CREATED

CITY AND STATE
WHITEFIELD, NH

ELEVATION: 1074 TDZE: 1057
AIRPORT NAME:
MOUNT WASHINGTON REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 10, ORIG
11 FEB 2010

SUP:
AMDT: NONE
DATED:

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

[illegible]

CITY AND STATE WHITEFIELD, NH	ELEVATION: 1074 TDZE: 1057 AIRPORT NAME: MOUNT WASHINGTON REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 10, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

SUSAP KHIEK6FR10-Z R	040	0 M	010CA	1040	+	01474	A JS	G
SUSAP KHIEK6FR10-Z R	050CRESYK6EAGE		010DF				A JS	G
SUSAP KHIEK6FR10-Z R	060JQBBYK6EA0EY		010TF	0988	+	07100	A JS	G
SUSAP KHIEK6FR10-Z R	070JQBBYK6EA0EE	R020HM		17800070	+	07100	A JS	G

SUSAP KHTEK6GRW10 0040011041 N44220221W071331242+0600 +0292301048000045075R G

SUSAP KHIEK6PR10-Z RW10 001Z0000W10A0N4422022090W07133124205+029230300N4422066400W07131083600106751528000450F400500F852BDCBG
SUSAP KHIEK6PR10-Z RW10 002E +03194+03194LPV 53512 G

SUSAP KHIEK6SRW10 K6PG 0 78018007525 M G

GLS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES				MISSED APPROACH
FROM	T O	COURSE AND DISTANCE	ALTITUDE	MAP: DA
HUTMO (IF)(40E)(43I)	NANVE (TF)(FB)(40E)(43F)	107.84/6.03	1600	CLIMB TO 3000 DIRECT FOVEX AND VIA TRACK 192.77 TO COGSU AND VIA TRACK 284.86 TO DIRMY AND HOLD.
NANVE (FAF)(40E)(43F)	RW11 (TF)(FO)(40G)(41Y)(43M)	107.92/4.74		
RW11 (MAP)(40G)(41Y)(43M)	FOVEX (DF)(FB)(40E)			ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.56 INBOUND. DISTANCE TO THLD FROM 290 HAT: 0.75 NM. LAAS CHANNEL # 21905 REFERENCE PATH ID: G11A
FOVEX (40E)	COGSU (TF)(FO)(40E)(42M)	192.77/8.47		
COGSU (40E)(42M)	DIRMY (TF)(FO)(40V)(41E)	284.86/18.28	3000	

- PT NA SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
- PROFILE STARTS AT HUTMO
- FAC: 107.92 FAF: _____ DIST FAF TO MAP: _____ THLD: _____
- MIN. ALT: HUTMO 2000
- DIST TO THLD FROM OM: 4.74 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____
- MIN GS INCPT: 1600 GS ALT AT: NANVE 1600 OM: _____ MM: _____ IM: _____
- GS ANGLE: 3.00 TCH: 53.0 **34:1 IS NOT CLEAR**
- MSA FROM: RW11 2700

MAG VAR: 13W EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM	8260-15A	FOR THIS AIRPORT	ALTERNATE: N A	X								
CATEGORY =====>		A			B			C			D			E		
		DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED

GLS DA	308	5000	290	308	5000	290	308	5000	290	308	5000	290			
CIRCLING	720	1	702	720	1	702	720	2	702	900	3	882			

NOTES:

CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: GPS REQUIRED.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CITY AND STATE	ELEVATION: 18 TDZE: 18	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NEWARK, NJ	AIRPORT NAME: NEWARK LIBERTY INTL	GEWR	11 FEB 2010 GLS RWY 11, ORIG	AMDT: NONE
				DATE

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	14
AIRPORT IDENTIFIER	KEWR
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	1
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	4
REFERENCE PATH IDENTIFIER (APPROACH ID)	G11A
LTP/FTP LATITUDE	404210.0100N
LTP/FTP LONGITUDE	0741050.5500W
LTP/FTP ELLIPSOIDAL HEIGHT	-00270
FPAP LATITUDE	404202.3300N
FPAP LONGITUDE	0740853.8500W
THRESHOLD CROSSING HEIGHT (TCH)	00053.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0680

CRC REMAINDER

97CBDF04

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00054
FPAP ORTHOMETRIC HEIGHT	+00054

CITY AND STATE
NEWARK, NJ

ELEVATION: 18 TDZE: 18
AIRPORT NAME:
NEWARK LIBERTY INTL

FACILITY
IDENTIFIER:
GEWR

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
GLS RWY 11, ORIG
11 FEB 2010

SUP:
AMDT: NONE
DATED:

U.S. Department of Transportation Federal Aviation Administration		GLS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA CLIMB TO 3000 DIRECT CIXAL AND VIA TRACK 236.32 TO KILMA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 072.00 INBOUND. DISTANCE TO THLD FROM 200 HAT: 0.49 NM. LAAS CHANNEL # 21494 REFERENCE PATH ID: G22A											
IZEKO (IF)(40E)(43I)	GIMEE (TF)(FB)(40E)(42S)	218.90/2.83	2500												
GIMEE (40E)(42S)	FEVAB (TF)(FB)(40E)(43F)	218.87/3.19	1500												
FEVAB (FAF)(40E)(43F)	RW22L (TF)(FO)(40G)(41Y)(43M)	218.86/4.49													
RW22L (MAP)(40G)(41Y)(43M)	CIXAL (DF)(FB)(40E)(42M)														
CIXAL (40E)(42M)	KILMA (TF)(FO)(40E)(41E)	236.32/14.66	3000												
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT IZEKO 3. FAC: <u>218.86</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: IZEKO 3000, GIMEE 2500 5. DIST TO THLD FROM OM: <u>4.49</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>1500</u> GS ALT AT: FEVAB 1500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>42.7</u> 34:1 IS CLEAR 8. MSA FROM: RW22L 2700				MAG VAR: 13W EPOCH YEAR: 1985											
MINIMUMS															
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A	☒									
CATEGORY =====>	A			B			C			D			E		
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
GLS DA	210	2400	200	210	2400	200	210	2400	200	210	2400	200			
CIRCLING	720	1	702	720	1	702	720	2	702	900	3	882			
NOTES: CHART PLANVIEW NOTE: RADAR REQUIRED. CHART NOTE: GPS REQUIRED. CHART PROFILE NOTE: VGSI AND GLS GLIDEPATH NOT COINCIDENT. CHART NOTE: CIRCLING TO RWY 29 NA AT NIGHT. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: DME/DME RNP-0.3 NA.															
CITY AND STATE		ELEVATION: 18 TDZE: 10		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:					
NEWARK, NJ		AIRPORT NAME: NEWARK LIBERTY INTL		GEWR		11 FEB 2010 GLS RWY 22L, ORIG				AMDT: NONE					
										DATE					

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	14
AIRPORT IDENTIFIER	KEWR
RUNWAY	RW22L
APPROACH PERFORMANCE DESIGNATOR	1
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	3
REFERENCE PATH IDENTIFIER (APPROACH ID)	G22A
LTP/FTP LATITUDE	404152.2890N
LTP/FTP LONGITUDE	0740940.8780W
LTP/FTP ELLIPSOIDAL HEIGHT	-00292
FPAP LATITUDE	404032.0400N
FPAP LONGITUDE	0741031.9000W
THRESHOLD CROSSING HEIGHT (TCH)	00042.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0248

CRC REMAINDER

03985CEC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00031
FPAP ORTHOMETRIC HEIGHT	+00031

CITY AND STATE

NEWARK, J

ELEVATION: 18 TDZE: 10

AIRPORT NAME:

NEWARK LIBERTY INTL

FACILITY
IDENTIFIER:

GEWR

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

GLS RWY 22L, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

U.S. Department of Transportation Federal Aviation Administration		GLS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: DA CLIMB TO 3000 DIRECT HENIB AND VIA TRACK 235.45 TO KILMA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 072.00 INBOUND. DISTANCE TO THLD FROM 236 HAT: 0.59 NM. LAAS CHANNEL # 20672 REFERENCE PATH ID: G22B						
EPAHA (IF)(40E)(43I)		VERDE (TF)(FB)(40E)(42S)		218.89/2.85				2500								
VERDE (40E)(42S)		TALTE (TF)(FB)(40E)(43F)		218.87/3.20				1500								
TALTE (FAF)(40E)(43F)		RW22R (TF)(FO)(40G)(41Y)(43M)		218.85/4.47												
RW22R (MAP)(40G)(41Y)(43M)		HENIB (DF)(FB)(40E)(42M)														
HENIB (40E)(42M)		KILMA (TF)(FO)(40E)(41E)		235.45/14.85				3000								
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT EPAHA 3. FAC: <u>218.85</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: EPAHA 3000, VERDE 2500 5. DIST TO THLD FROM OM: <u>4.47</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>1500</u> GS ALT AT: TALTE 1500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>48.1</u> 34:1 IS CLEAR 8. MSA FROM: RW22R 2700																
										MAG VAR: 13W EPOCH YEAR: 1985						
MINIMUMS																
TAKEOFF:		☐ STANDARD		☒ X		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: ☐ N ☒ A								
CATEGORY =====>		A			B			C			D			E		
		DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED																
GLS DA	246	2400	236	246	2400	236	246	2400	236	246	2400	236				
CIRCLING	720	1	702	720	1	702	720	2	702	900	3	882				
NOTES: CHART PLANVIEW NOTE: RADAR REQUIRED. CHART NOTE: GPS REQUIRED. CHART PROFILE NOTE: VGSI AND GLS GLIDEPATH NOT COINCIDENT. CHART NOTE: CIRCLING TO RWY 29 NA AT NIGHT. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: DME/DME RNP-0.3 NA.																
CITY AND STATE		ELEVATION: 18 TDZE: 10		AIRPORT NAME:		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:				
NEWARK, NJ				NEWARK LIBERTY INTL		GEWR		11 FEB 2010 GLS RWY 22R, ORIG				AMDT: NONE				
												DATE				

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 14
AIRPORT IDENTIFIER KEWR
RUNWAY RW22R
APPROACH PERFORMANCE DESIGNATOR 1
ROUTE INDICATOR 1
REFERENCE PATH DATA SELECTOR G22B
REFERENCE PATH IDENTIFIER (APPROACH ID) 404156.5460N
LTP/FTP LATITUDE 0740951.8790W
LTP/FTP LONGITUDE -00293
LTP/FTP ELLIPSOIDAL HEIGHT 404031.3700N
FPAP LATITUDE 0741046.0200W
FPAP LONGITUDE 00048.1
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0000
LENGTH OFFSET

CRC REMAINDER

BB154A46

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00030
FPAP ORTHOMETRIC HEIGHT +00030

CITY AND STATE

NEWARK, NJ

ELEVATION: 18 TDZE: 10

AIRPORT NAME:

NEWARK LIBERTY INTL

FACILITY
IDENTIFIER:

GEWR

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

GLS RWY 22R, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES								MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW15 CLIMB TO 3300 DIRECT MUMVE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 335.04 INBOUND. CHART FAS OBST: 1468 TREE 414300N/0744826W CHART FAS OBST: 1812 TREE 414625N/0745000W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. WAAS CHANNEL # 56615 REFERENCE PATH ID: W15A					
WECOL (IAF)		JIBOT (FB)		064.74 / 7.48		4000							
FITRE (IAF)		JIBOT (FB)		221.54 / 3.53		4000							
JIBOT (IF)		TOLMY (FB)		154.83 / 6.10		3200							
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT JIBOT 3. FAC: <u>154.88</u> FAF: <u>TOLMY</u> DIST FAF TO MAP: <u>5.43</u> THLD: <u>5.43</u> 4. MIN. ALT: <u>JIBOT 4000, TOLMY 3200</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>3200</u> GS ALT AT: <u>TOLMY 3200</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>41.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW15 5400</u>								MAG VAR: 12W EPOCH YEAR: 1980					
MINIMUMS													
TAKEOFF: ☐ STANDARD ☒ X SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A				STANDARD @					
CATEGORY =====>		A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	1653	1	250	1653	1	250	1653	1	250	1653	1	250	
LNAV/VNAV DA	1850	1 1/2	447	1850	1 1/2	447	1850	1 1/2	447	1850	1 1/2	447	
LNAV MDA	1980	1	577	1980	1	577	1980	1 1/2	577	1980	1 3/4	577	
CIRCLING	1980	1	577	1980	1	577	1980	1 1/2	577	1980	2	577	
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING NEWBURGH ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10												@ NA WHEN LOCAL WEATHER NOT AVAILABLE.	
CITY AND STATE		ELEVATION: 1403 TDZE: 1403		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:					
MONTICELLO, NY		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 15, ORIG		AMDT: NONE					
		SULLIVAN COUNTY INTL				11 FEB 2010		DATED					

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

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEWBURGH ALTIMETER SETTING AND INCREASE LPV DA TO 1858, LNAV/VNAV DA TO 2055, AND ALL MDA 220 FEET; INCREASE LNAV CAT B AND CIRCLING CAT B VISIBILITY 1/4 MILE; INCREASE LPV ALL CATS AND CIRCLING CAT D VISIBILITY 1/2 MILE; INCREASE LNAV/VNAV ALL CATS, LNAV CAT C/D AND CIRCLING CAT C VISIBILITY 3/4 MILE.

CITY AND STATE

MONTICELLO, NY

ELEVATION: 1403 TDZE: 1403

AIRPORT NAME:

SULLIVAN COUNTY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 15, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSV
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	414228.4100N
LTP/FTP LONGITUDE	0744804.7000W
LTP/FTP ELLIPSOIDAL HEIGHT	+03967
FPAP LATITUDE	414141.1100N
FPAP LONGITUDE	0744717.0300W
THRESHOLD CROSSING HEIGHT (TCH)	00041.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	100.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

5A5A4115

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+04278
FPAP ORTHOMETRIC HEIGHT	+04278

QUALITY
CHECKED

CITY AND STATE MONTICELLO, NY	ELEVATION: 1403 TDZE: 1403 AIRPORT NAME: SULLIVAN COUNTY INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

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

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMSVK6FR15	AFITRE	010FITREK6EA0E	A	IF						18000		A JS	
SUSAP KMSVK6FR15	AFITRE	020JIBOTK6EA0EE	B	010TF		22150035		+ 04000				A JS	
SUSAP KMSVK6FR15	AWECOL	010WECOLR6EA0E	A	IF						18000		A JS	
SUSAP KMSVK6FR15	AWECOL	020JIBOTK6EA0EE	B	010TF		06470075		+ 04000				A JS	
SUSAP KMSVK6FR15	R	010JIBOTK6EA0E	I	IF				+ 04000		18000		A JS	
SUSAP KMSVK6FR15	R	020TOLMYK6EA1E	F	051TF		15480061		+ 03200			RW15	K6PGA JS	
SUSAP KMSVK6FR15	R	020TOLMYK6EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KMSVK6FR15	R	030RW15 K6PGOCY	M	031TF		15490054		01444		-300		A JS	
SUSAP KMSVK6FR15	R	040	C	M	010CA	1549		+ 01653				A JS	
SUSAP KMSVK6FR15	R	050MUMVEK6EA0EY		010DF				+ 03300				A JS	
SUSAP KMSVK6FR15	R	060MUMVEK6EA0EE		R020HM		33500040		+ 03300				A JS	

[illegible]

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
	SUSAP KMSVK6PR15	PW15 001 0000W15A0N4142284100W07448047001	+039670300N4141411100W07447170300100750000000410F4005005A5A4115										
	SUSAP KMSVK6PR15	RW15 002E	+04278:04278LPV 56615										

ELEVATION: 1403 TDZE: 1403
AIRPORT NAME:
SULLIVAN COUNTY INTL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 15, ORIG
11 FEB 2010

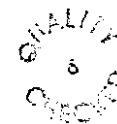
SUP:	
AMDT:	NONE
DATED:	

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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KMSVK6SRW15 K6PG					0	18018005425						M	



CITY AND STATE

MONTICELLO, NY

ELEVATION: 1403

TDZE: 1403

AIRPORT NAME:

SULLIVAN COUNTY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 15, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW33 CLIMBING RIGHT TURN TO 3300 DIRECT MUMVE AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1539 TREE 414018N/0744530W CHART VDP AT 1.19 MILES TO RW33. BRGNR TO RW33: 3.23/39.
HAWLY	ICIPA (FB)	111.10 / 16.60	4000	
HELON	JEYPY (FB)	262.53 / 12.85	4000	
ICIPA (IAF)	MUMVE (NOPT) (FB)	064.98 / 5.00	3300	
JEYPY (IAF)	MUMVE (NOPT) (FB)	245.10 / 5.00	3300	
HUO VOR/DME (IAF)	MUMVE (NOPT) (FB)	357.54 / 8.42	3300	
MUMVE (IF/IAF)	BRGNR (FB)	335.04 / 6.05	3200	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SE MUMVE, RT, 335.04 INBOUND, 3300 FT. IN LIEU OF PT (IAF)
3. FAC: 334.99 FAF: BRGNR DIST FAF TO MAP: 5.20 THLD: 5.20
4. MIN. ALT: MUMVE 3300, BRGNR 3200, AVJUB/3.00 NM TO RW33 2400
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: RW33 5400

MAG VAR: 12W

EPOCH YEAR: 1980

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: NA	STANDARD @					
CATEGORY ==>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	1800	1	410	1800	1	410	1800	1 1/4	410	1800	1 1/4	410				
CIRCLING	1900	1	497	1900	1	497	1900	1 1/2	497	1960	2	557				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEWBURGH ALTIMETER SETTING AND INCREASE ALL MDA 220 FEET; LNAV CAT C VISIBILITY 1/2 MILE, LNAV CAT D VISIBILITY 3/4 MILE, CIRCLING CAT C
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE MONTICELLO, NY	ELEVATION: 1403 TDZE: 1390 AIRPORT NAME: SULLIVAN COUNTY INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 1 11 FEB 2010	SUP: AMDT: ORIG DATED 08/10/2000

QUALITY
6
CHECKED

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

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

NOTES CONT.

VISIBILITY 1/2 MILE, CIRCLING CAT D VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING NEWBURGH ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HUO VOR/DME AIRWAY RADIALS 314 CW 019.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HAWLY VIA V36 NORTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HELON VIA V167 SOUTHEAST BOUND.

QUALITY
6
CHECKED

CITY AND STATE
MONTICELLO, NY

ELEVATION: 1403 TDZE: 1390
AIRPORT NAME:
SULLIVAN COUNTY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 33, AMDT 1
11 FEB 2010

SUP:
AMDT: ORIG
DATED: 08/10/2000

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

[illegible]

QUALITY
CHECK

CITY AND STATE MONTICELLO, NY	ELEVATION: 1403 TDZE: 1390 AIRPORT NAME: SULLIVAN COUNTY INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 1 11 FEB 2010	SUP:
				AMDT: ORIG
				DATED: 08/10/2000

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

[illegible]

SUP:	
AMDT:	ORIG
DATED:	08/10/2000

QUALITY
2

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW19 CLIMB TO 3000 DIRECT HINPO AND LEFT TURN VIA TRACK 097.70 TO READS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 104.89 INBOUND. CHART FAS OBST: 1269 TREE 405619N/0821425W JUKAP TO RW19: 3.04/40.	
CIDUX (IAF)	ECZIF (NOPT) (FB)	097.70 / 5.00	3000		
FEPEV (IAF)	ECZIF (NOPT) (FB)	277.84 / 5.00	3000		
ECZIF (IF/IAF)	JUKAP (FB)	187.77 / 6.13	2800		
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N ECZIF, RT, 187.77 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>187.77</u> FAF: <u>JUKAP</u> DIST FAF TO MAP: <u>4.87</u> THLD: <u>4.87</u> 4. MIN. ALT: <u>ECZIF 3000, JUKAP 2800</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u> </u>				MAG VAR: <u>7W</u> EPOCH YEAR: <u>1995</u>	
MINIMUMS					
TAKEOFF:	☐ STANDARD	☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	☒	
CATEGORY >>>>>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LNAV MDA	1580	1	377	1580	1
CIRCLING	1620	1	414	1660	1 1/2
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 MANSFIELD ALTIMETER SETTING, WHEN NOT RECEIVED USE WOOSTER ALTIMETER SETTING. CHART NOTE: STRAIGHT-IN/CIRCLING RWY 19 NA AT NIGHT.					
CITY AND STATE		ELEVATION: 1206 TDZE: 1203	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
ASHLAND, OH		AIRPORT NAME:		RNAV (GPS) RWY 19, ORIG	
		ASHLAND COUNTY		11 FEB 2010	
				SUP:	
				AMDT: NONE	
				DATED	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TAA

	FROM	TO	ALT
1.	098/30 CW 278/30 (NOPT)	098/15 CW 278/15	3100
	098/15 CW 278/15	ECZIF (IF/IAF) (FB)	3000
2.	278/30 CW 008/30	FEPEV (IAF) (FB)	3100
3.	008/30 CW 098/30	CIDUX (IAF) (FB)	3000

QUALITY
CHECKED

CITY AND STATE

ASHLAND, OH

ELEVATION: 1206 TDZE: 1203

AIRPORT NAME:

ASHLAND COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 19, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 3G4 K5FR19	ACIDUX	010CIDUXK5EA0E	A	IF						18000		B JS	
SUSAP 3G4 K5FR19	ACIDUX	020ECZIFK5EA0EE	B	010TF		09770050		+ 03000				B JS	
SUSAP 3G4 K5FR19	AECZIF	010ECZIFK5EA0EE	AR	HF		18780040		+ 03000		18000		B JS	
SUSAP 3G4 K5FR19	AFEPEV	010FEPEVK5EA0E	A	IF						18000		B JS	
SUSAP 3G4 K5FR19	AFEPEV	020ECZIFK5EA0EE	B	010TF		27780050		+ 03000				B JS	
SUSAP 3G4 K5FR19	R	010ECZIFK5EA0E	I	IF				+ 03000		18000		B JS	
SUSAP 3G4 K5FR19	R	020JUKAPK5EA1E	F	051TF		18780061		+ 02800				B JS	
SUSAP 3G4 K5FR19	R	020JUKAPK5EA2WN			N		ALNAV					JS	
SUSAP 3G4 K5FR19	R	030RW19 K5PGOGY	M	031TF		18780049			01227		-304	B JS	
SUSAP 3G4 K5FR19	R	040HINPOK5EA0E	M	010DF								B JS	
SUSAP 3G4 K5FR19	R	050READSK5EA0EY	L010TFY			0977		+ 03000				B JS	
SUSAP 3G4 K5FR19	R	060READSK5EA0EE	L020HM			10490040		+ 03000				B JS	

[illegible]

CITY AND STATE ASHLAND, OH	ELEVATION: 1206 TDZE: 1203 AIRPORT NAME: ASHLAND COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
			RNAV (GPS) RWY 19, ORIG	AMDT: NONE
			11 FEB 2010	DATED:

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

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD W MFD VORTAC, RT, 085.00 INBOUND, 2900 FT. IN LIEU OF PT (IAF)				
3. FAC	085.00	FAC CINDE INT/10.00 DME	DIST FAF TO MAP		5.35 THLD
4. MIN. ALT	MFD VORTAC 2900, CINDE 2900				
8. MSA FROM:	MFD VORTAC 3000				

MAG VAR: 3W
EPOCH YEAR: 1965

NOTES:

CHART NOTE: USE MANSFIELD ALTIMETER SETTING, WHEN NOT RECEIVED USE WOOSTER ALTIMETER SETTING.

CHART PLANVIEW NOTE: NOPT FOR ARRIVALS ON MFD VORTAC AIRWAY RADIALS 183 CW 358.

QUALITY
3 2 5

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
NETKE (IAF)	CIMIX (NOPT) (FB)	156.55 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW07 CLIMB TO 3000 DIRECT HOPAX AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 246.87 INBOUND. CHART FAS OBST: 1015 TOWER 391242N/0821538W CHART FAS OBST: 1110 TOWER 391052N/0821657W DISTANCE TO THLD FROM 440 HAT: 1.26 NM. CHART VDP AT 1.80 MILES TO RW07* *LNAV ONLY. WAAS CHANNEL # 81916 REFERENCE PATH ID: W07A								
SOYLO (IAF)	CIMIX (NOPT) (FB)	336.61 / 5.00	3000									
CIMIX (IF/IAF)	FEKLO (FB)	066.58 / 6.19	2600									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. <u>HOLD SW CIMIX, RT, 066.58 INBOUND, 3000 FT. IN LIEU OF PT (IAF)</u> 3. FAC: <u>066.65</u> FAF: <u>FEKLO</u> DIST FAF TO MAP: <u>5.56</u> THLD: <u>5.56</u> 4. MIN. ALT: <u>CIMIX 3000, FEKLO 2600</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>FEKLO</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>				MAG VAR: 6W EPOCH YEAR: 1995								
MINIMUMS												
TAKEOFF:	☐ STANDARD	☒ X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	☐ X							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1205	1 1/2	440	1205	1 1/2	440	1205	1 1/2	440	1205	1 1/2	440
LNAV/VNAV DA	1334	2	569	1334	2	569	1334	2	569	1334	2	569
LNAV MDA	1360	1	595	1360	1	595	1360	1 1/2	595	1360	1 3/4	595
CIRCLING	1380	1	614	1420	1	654	1420	1 3/4	654	1420	2	654

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGS/ AND RNAV GLIDEPATH NOT COINCIDENT.
 SEE 8260-10

CITY AND STATE ATHENS/ALBANY, OH	ELEVATION: 766 TDZE: 765	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, AMDT 1 11 FEB 2010	SUP:
	AIRPORT NAME: OHIO UNIVERSITY SNYDER FIELD			AMDT: ORIG-A
	DATED 12/22/2005			

QUALITY
1
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PARKERSBURG, WV ALTIMETER SETTING AND INCREASE ALL DA/MDA 100 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS, LNAV AND CIRCLING CATS C AND D VISIBILITY 1/2 MILE AND CIRCLING CAT B VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PARKERSBURG, WV ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	337/30 CW 157/30 (NOPT)	CIMIX (IF/AF) (FB)	3000
2.	157/30 CW 247/30	NETKE (IAF) (FB)	3000
3.	247/30 CW 337/30	SOYLO (IAF) (FB)	3000

QUALITY
1
CHECKED

CITY AND STATE

ATHENS/ALBANY, OH

ELEVATION: 766

TDZE: 765

AIRPORT NAME:

OHIO UNIVERSITY SNYDER FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 7, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG-A

DATED: 12/22/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KUNI
RUNWAY RW07
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W07A
LTP/FTP LATITUDE 391233.6330N
LTP/FTP LONGITUDE 0821406.3755W
LTP/FTP ELLIPSOIDAL HEIGHT +01984
FPAP LATITUDE 391317.2300N
FPAP LONGITUDE 0821226.3800W
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 1320
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

44BCB133

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02325
FPAP ORTHOMETRIC HEIGHT +02325

QUALITY
1
CHECKED

CITY AND STATE

ATHENS/ALBANY, OH

ELEVATION: 766 TDZE: 765

AIRPORT NAME:

OHIO UNIVERSITY SNYDER FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 7, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG-A

DATED: 12/22/2005

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

[illegible]

NAR	CIMIX
NAR	FEKLO
NAR	HOPAX
NAR	NETKE
NAR	SOYLO

[illegible]

SUSAP KUNIK5AUNI 0 056YHN39124281W082134532W006000766 1800018000C MNAR OHIO UNIVERSITY SNYDER FIELD

[illegible]

SUSAP KUNIK5FR07	ACIMIX	010CIMIXK5EA0EE	AR	HF	06660040	+	03000	18000	A	JS
SUSAP KUNIK5FR07	ANETKE	010NETKEK5EA0E	A	IF				18000	A	JS
SUSAP KUNIK5FR07	ANETKE	020CIMIXK5EA0EE	B	010TF	15660050	+	03000		A	JS
SUSAP KUNIK5FR07	ASOYLO	010SOYLOK5EA0E	A	IF				18000	A	JS
SUSAP KUNIK5FR07	ASOYLO	020CIMIXK5EA0EE	B	010TF	33660050	+	03000		A	JS
SUSAP KUNIK5FR07	R	010CIMIXK5EA0E	I	IF		+	03000	18000	A	JS
SUSAP KUNIK5FR07	R	020FEKLOK5EA1E	F	051TF	06660062	+	02600		A	JS
SUSAP KUNIK5FR07	R	020FEKLOK5EA2WALPV		ALNAV/VNAV ALNAV						JS
SUSAP KUNIK5FR07	R	030RW07 K5PGOGY	M	031TF	06670056		00803	-300	A	JS
SUSAP KUNIK5FR07	R	040	0	M 010CA	0667	+	01166		A	JS
SUSAP KUNIK5FR07	R	050HOPAXK5EA0EY		010DF		+	03000		A	JS
SUSAP KUNIK5FR07	R	060HOPAXK5EA0EE		R020HM	24690040	+	03000		A	JS

[illegible]

SUSAP KUNIK5GRW07 0056000667 N39123363W082140638-0100 +0198400763090040100R

[illegible]

SUSAP KUNIK5PR07 RW07 001 0000W07A0N3912336330W08214063755+019840300N3913172300W08212263800106751320000400F40050044BCB133

QUALITY
1
CHECKED

SUP:	
AMDT:	ORIG-A
DATED:	12/22/2005

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

[illegible]

QUALITY
1
CHECK

CITY AND STATE ATHENS/ALBANY, OH	ELEVATION: 766 TDZE: 765 AIRPORT NAME: OHIO UNIVERSITY SNYDER FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, AMDT 1 11 FEB 2010	SUP:
				AMDT: ORIG-A
				DATED: 12/22/2005

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
CISBO (IAF)	HOPAX (NOPT) (FB)	156.84 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW25 CLIMB TO 3000 DIRECT CIMIX AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 066.58 INBOUND. CHART FAS OBST: 1059 TREE 391342N/0820959W FAS OBST: 933 TREE 391327N/0821232W CHART VDP AT 1.60 MILES TO RW25* *LNAV ONLY. WAAS CHANNEL # 90316 REFERENCE PATH ID: W25A DISTANCE TO THLD FROM 200 HAT: 0.49 NM											
DEVAY (IAF)	HOPAX (NOPT) (FB)	336.90 / 5.00	3000												
HOPAX (IF/IAF)	TACOY (FB)	246.87 / 6.12	2600												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE HOPAX, RT, 246.87 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 246.80 FAF: TACOY DIST FAF TO MAP: 5.54 THLD: 5.54 4. MIN. ALT: HOPAX 3000, TACOY 2600 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2600 GS ALT AT: TACOY OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 49.3 34:1 IS CLEAR 8. MSA FROM: _____				MAG VAR: 6W EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X										
CATEGORY ==>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	965	3/4	200	965	3/4	200	965	3/4	200	965	3/4	200			
LNAV/VNAV DA	1247	1 3/4	482	1247	1 3/4	482	1247	1 3/4	482	1247	1 3/4	482			
LNAV MDA	1320	1	555	1320	1	555	1320	1 1/2	555	1320	1 3/4	555			
CIRCLING	1380	1	614	1420	1	654	1420	1 3/4	654	1420	2	654			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PARKERSBURG, WV ALTIMETER SETTING AND INCREASE ALL DA AND MDA 100 FT, INCREASE LNAV/VNAV ALL CATS, LNAV CATS C AND D, CIRCLING CAT B SEE 8260-10															
CITY AND STATE		ELEVATION: 766 TDZE: 765		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
ATHENS/ALBANY, OH		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 25, AMDT 1				AMDT: ORIG-A					
		OHIO UNIVERSITY SNYDER FIELD				11 FEB 2010				DATED		12/22/2005			

QUALITY
7
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

VISIBILITY 1/4 MILE AND CIRCLING CATS C AND D VISIBILITY 1/2 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PARKERSBURG, WV ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	157/30 CW 337/30 (NOPT)	HOPAX (IF/IAF) (FB)	3000
2.	337/30 CW 067/30	DEVAY (IAF) (FB)	3000
3.	067/30 CW 157/30	CISBO (IAF) (FB)	3000

QUALITY
1
CHECKED

CITY AND STATE

ATHENS/ALBANY, OH

ELEVATION: 766

TDZE: 765

AIRPORT NAME:

OHIO UNIVERSITY SNYDER FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 25, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG-A

DATED: 12/22/2005

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KUN
RUNWAY RW25
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W25A
LTP/FTP LATITUDE 391256.3455N
LTP/FTP LONGITUDE 0821314.2900W
LTP/FTP ELLIPSOIDAL HEIGHT +01977
FPAP LATITUDE 391229.2800N
FPAP LONGITUDE 0821416.3500W
THRESHOLD CROSSING HEIGHT (TCH) 00049.3
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 91.25
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

CCA28B91

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02318
FPAP ORTHOMETRIC HEIGHT +02318

QUALITY
1
CHECKED

CITY AND STATE

ATHENS/ALBANY, OH

ELEVATION: 766 TDZE: 765

AIRPORT NAME:

OHIO UNIVERSITY SNYDER FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 25, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG-A

DATED: 12/22/2005

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

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

QUALITY
1
CHECKED

CITY AND STATE ATHENS/ALBANY, OH	ELEVATION: 766 TDZE: 765 AIRPORT NAME: OHIO UNIVERSITY SNYDER FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 1 11 FEB 2010	SUP:
				AMDT: ORIG-A
				DATED: 12/22/2005

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

[illegible]

SUP:	
AMDT:	ORIG-A
DATED:	12/22/2005

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 7, 200-1 OR STANDARD WITH MINIMUM CLIMB OF 310 FEET PER NM TO 1000.

RWY 25, 200-1 OR STANDARD WITH MINIMUM CLIMB OF 360 FEET PER NM TO 1000.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 7, TREES BEGINNING 4439' FROM DER, 1034' LEFT OF CENTERLINE, UP TO 100' AGL/933' MSL. TREES BEGINNING 2869' FROM DER, 1171' RIGHT OF CENTERLINE, UP TO 100' AGL/879' MSL. VEHICLE ABEAM DER 451' LEFT OF CENTERLINE, 17' AGL/796' MSL.

NOTE: RWY 25, TREES BEGINNING 3371' FROM DER, 425' LEFT OF CENTERLINE, UP TO 100' AGL/925' MSL. TREES BEGINNING 1221' FROM DER, 624' RIGHT OF CENTERLINE, UP TO 100' AGL/999' MSL.

(4) CONTROLLING OBSTACLES:

RWY 7: 933 TREE 391327.44N-0821232.03W.

RWY 25: 919 TREE 391202.65N-0821446.27W.

QUALITY
9
CHECKED

(5) City, State ALBANY (ATHENS), OHIO	(6) Airport OHIO UNIVERSITY SNYDER FIELD	(7) Effective Date 11 FEB 2010	(8) Amdt. No. ORIG

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ROD VORTAC	CQA NDB	301.14 / 26.58	2600	MAP: CQA NDB CLIMB TO 2600 THEN LEFT TURN DIRECT CQA NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 100.00 INBOUND. CHART FAS OBST: 1139 TOWER 402927N/0843729W CHART: WAPAKONETA AWOS-3 FAC CROSSES RWY C/L EXTENDED 2156 FROM THLD.

1. PT L SIDE OF COURSE 280.00 OUTBOUND 2600 FT WITHIN 10 MILES OF CQA NDB (IAF)
 2. _____
 3. FAC 100.00 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: CQA NDB 3000

MAG VAR: 4W EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: NA		X						
CATEGORY >>>>>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-8	1580	1	686	1580	1	686	1580	2	686		NA				
CIRCLING	1580	1	686	1580	1	686	1580	2	686		NA				

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: USE WAPAKONETA ALTIMETER SETTING; WHEN NOT RECEIVED USE JAMES M. COX DAYTON INTL ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE S-8 AND CIRCLING CATS B/C VISIBILITY 1/4 MILE.

QUALITY
6
CHECKED

CITY AND STATE CELINA, OH	ELEVATION: 894 TDZE: 894 AIRPORT NAME: LAKEFIELD	FACILITY IDENTIFIER: CQA	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 8, AMDT 5 11 FEB 2010	SUP AMDT 4 DATE 01/23/2003

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES												MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW08 CLIMB TO 3000 DIRECT EVOZU AND VIA TRACK 126.50 TO ICREB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 356.82 INBOUND. CHART FAS OBST: 977 TREE 402848N/0843414W FAS OBST: 1145 AAO 402724N/0844036W DISTANCE TO THLD FROM 327 HAT: 0.90 NM. WAAS CHANNEL # 61116 REFERENCE PATH ID: W08A CHART: WAPAKONETA AWOS-3							
COLMI (IAF)		AVOXE (NOPT) (FB)		356.60 / 5.00				3000									
EKLLR (IAF)		AVOXE (NOPT) (FB)		176.48 / 5.00				3000									
AVOXE (IF/IAF)		EVOCO (FB)		086.49 / 6.00				2600									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W AVOXE, RT, 086.49 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>086.58</u> FAF: <u>EVOCO</u> DIST FAF TO MAP: <u>5.16</u> THLD: <u>5.16</u> 4. MIN. ALT: AVOXE 3000, EVOCO 2600 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>EVOCO</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>												MAG VAR: 4W		EPOCH YEAR: 1995			
MINIMUMS																	
TAKEOFF:	☐	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N	☐	☒										
CATEGORY =====>	A		B		C		D		E								
	DH/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	1221	1 1/4	327	1221	1 1/4	327	1221	1 1/4	327		NA						
LNAV/VNAV DA	1278	1 1/4	384	1278	1 1/4	384	1278	1 1/4	384		NA						
LNAV MDA	1440	1	546	1440	1	546	1440	1 1/2	546		NA						
CIRCLING	1440	1	546	1440	1	546	1440	1 1/2	546		NA						
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: BARO-VNAV NA SEE 8260-10																	
CITY AND STATE				ELEVATION: 894 TDZE: 894				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
CELINA, OH				AIRPORT NAME: LAKEFIELD								RNAV (GPS) RWY 8, ORIG 11 FEB 2010				AMDT: NONE	
																DATED	

 QUALITY
6
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART NOTE: USE WAPAKONETA ALTIMETER SETTING. WHEN NOT RECEIVED USE JAMES M. COX DAYTON INTL ALTIMETER SETTING AND INCREASE ALL DA 73 FEET AND ALL MDA 80 FEET; INCREASE LPV CATS A/B/C VISIBILITY 1/4 MILE, LNAV/VNAV CATS A/B/C VISIBILITY 1/2 MILE AND LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	357/30 CW 176/30 (NOPT)	AVOXE (IF/IAF) (FB)	3000
2.	176/30 CW 266/30	EKLLR (IAF) (FB)	3000
3.	266/30 CW 357/30	COLMI (IAF) (FB)	3000

QUALITY
&
CHECKED

CITY AND STATE

CELINA, OH

ELEVATION: 894 TDZE: 894

AIRPORT NAME:

LAKEFIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCQA
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	402900.5875N
LTP/FTP LONGITUDE	0843357.7755W
LTP/FTP ELLIPSOIDAL HEIGHT	+02391
FPAP LATITUDE	402911.9800N
FPAP LONGITUDE	0843201.9600W
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	1408
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

8385B84A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02726
FPAP ORTHOMETRIC HEIGHT	+02726

QUALITY
CHECKED

CITY AND STATE

CELINA, OH

ELEVATION: 894 TDZE: 894

AIRPORT NAME:

LAKEFIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KCQAK5FR08	AAVOXE	010AVOXEK5EA0EE	AR	HF		08650040		+ 03000		18000		A JS	
SUSAP KCQAK5FR08	ACOLMI	010COLMIK5EA0E	A	IF						18000		A JS	
SUSAP KCQAK5FR08	ACOLMI	020AVOXEK5EA0EE	B	010TF		35660050		+ 03000				A JS	
SUSAP KCQAK5FR08	AEKLLR	010EKLLRK5EA0E	A	IF						18000		A JS	
SUSAP KCQAK5FR08	AEKLLR	020AVOXEK5EA0EE	B	010TF		17650050		+ 03000				A JS	
SUSAP KCQAK5FR08	R	010AVOXEK5EA0E	I	IF				+ 03000		18000		A JS	
SUSAP KCQAK5FR08	R	020EVOCOK5EA1E	F	051TF		08650060		+ 02600				A JS	
SUSAP KCQAK5FR08	R	020EVOCOK5EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KCQAK5FR08	R	030RW08 K5PGOGY	M	031TF		08660052		00934		-300		A JS	
SUSAP KCQAK5FR08	R	040	0	M	010CA	0866		+ 01221				A JS	
SUSAP KCQAK5FR08	R	050EVO2UK5EA0E		010DF								A JS	
SUSAP KCQAK5FR08	R	060ICREBK5EA0EY		010TF		1265		+ 03000				A JS	
SUSAP KCQAK5FR08	R	070ICREBK5EA0EE		R020HM		35680040		+ 03000				A JS	

[illegible]

SUP:	
AMDT:	NONE
DATED:	

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

[illegible]

SUP:	
AMDT:	NONE
DATED:	

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ICREB (IAF)	IZZIE (NOPT) (FB)	356.82 / 5.00	3000	LNAV/VNAV: DA LNAV: RW26 CLIMB TO 3000 DIRECT EVOCO AND ON TRACK 226.80 TO COLMI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 356.50 INBOUND. CHART FAS OBST: 976 TREE 402915N/0843233W DISTANCE TO THLD FROM 384 HAT: 1.03 NM. CHART: WAPAKONETA AWOS-3
LUSHU (IAF)	IZZIE (NOPT) (FB)	176.80 / 5.00	3000	
IZZIE (IF/IAF)	EVOZU (FB)	266.81 / 6.01	2600	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E IZZIE, RT, 266.81 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 266.73 FAF: EVOZU DIST FAF TO MAP: 4.86 THLD: 4.86
- MIN. ALT: IZZIE 3000, EVOZU 2600
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2600 GS ALT AT: EVOZU 2600 OM: MM: IM:
- GS ANGLE: 3.20 TCH: 40.0
- MSA FROM:

MAG VAR: 4W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		X							
CATEGORY =====		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV/VNAV DA		1277	1 1/4	384	1277	1 1/4	384	1277	1 1/4	384		NA				
LNAV MDA		1260	1	367	1260	1	367	1260	1	367		NA				
CIRCLING		1320	1	426	1360	1	466	1360	1 1/2	466		NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.
 CHART NOTE: BARO-VNAV NA.
 SEE 8260-10

CITY AND STATE CELINA, OH	ELEVATION: 894 TDZE: 893 AIRPORT NAME: LAKEFIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 11 FEB 2010	SUP: AMDT: NONE DATED

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

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

NOTES CONT.

CHART NOTE: USE WAPAKONETA ALTIMETER SETTING. WHEN NOT RECEIVED, USE JAMES M. COX DAYTON INTL ALTIMETER SETTING AND INCREASE ALL DA 73 FEET AND ALL MDA 80 FEET AND INCREASE LNAV/VNAV CATS A/B/C AND LNAV CAT C VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	177/30 CW 357/30 (NOPT)	IZZIE (IF/AF) (FB)	3000
2.	357/30 CW 087/30	ICREB (IAF) (FB)	3000
3.	087/30 CW 177/30	LUSHU (IAF) (FB)	3000

CITY AND STATE

CELINA, OH

ELEVATION: 894 TDZE: 893

AIRPORT NAME:

LAKEFIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

SUP:	
AMDT:	NONE
DATED:	

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 8, 26 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8, TREES BEGINNING 782' FROM DER, 7' RIGHT OF CENTERLINE, UP TO 100' AGL/969' MSL. TREES BEGINNING 57' FROM DER, 130' LEFT OF CENTERLINE, UP TO 100' AGL/ 976' MSL.

NOTE: RWY 26, VEHICLE 63' FROM DER, 469' RIGHT OF CENTERLINE, 15' AGL/909' MSL. POLES BEGINNING 127' FROM DER, 145' RIGHT OF CENTERLINE, UP TO 51' AGL/941' MSL. ANTENNA 653' FROM DER, 498' RIGHT OF CENTERLINE, 33' AGL/923' MSL. TREES BEGINNING 1194' FROM DER, 319' RIGHT OF CENTERLINE, UP TO 100' AGL/952' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

CELINA, OH

(6) Airport

LAKEFIELD

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

2

QUALITY
CHECKED

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES								MISSED APPROACH				
FROM	TO		COURSE AND DISTANCE			ALTITUDE	ILS: DA LOC: 3.65 MILES AFTER WEVIG INT CLIMB TO 3000 THEN LEFT TURN DIRECT AOH VOR AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 3000 THEN RIGHT TURN DIRECT FDY VORTAC AND HOLD SW, LT, 048.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD E, LT, 274.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SW FDY VORTAC, LT, 048.00 INBOUND. FAS OBST: 1229 AAO 404303N/0835615W CHART IN PLANVIEW: FDY VORTAC					
FDY VORTAC	WEVIG INT		211.06 / 17.03			2700						
1. PT <u>R</u> SIDE OF COURSE <u>096.02</u> OUTBOUND <u>2700</u> FT WITHIN <u>10</u> MILES OF <u>WEVIG INT</u> (IAF) 2. _____ 3. FAC: <u>276.02</u> FAF: <u>WEVIG INT</u> DIST FAF TO MAP: <u>3.65</u> THLD: <u>3.65</u> 4. MIN. ALT: <u>WEVIG 2200</u> 5. DIST TO THLD FROM OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1049</u> 6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>WEVIG INT 2200</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>49.4</u> 8. MSA FROM: <u>AOH VOR 3000</u>								MAG VAR: <u>6W</u> EPOCH YEAR: <u>2010</u>				
MINIMUMS												
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		☒			
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 28	1175	3/4	200	1175	3/4	200	1175	3/4	200	1175	3/4	200
S-LOC 28	1380	1	405	1380	1	405	1380	1 1/4	405	1380	1 1/4	405
CIRCLING	1420	1	445	1440	1	465	1440	1 1/2	465	1540	2	565
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FINDLAY ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FEET, INCREASE S-ILS 28 ALL CATS VISIBILITY 1/4 MILE AND INCREASE S-LOC 28 CAT D VISIBILITY 1/4 MILE.												
CITY AND STATE		ELEVATION: 975 TDZE: 975		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP: ILS OR LOC RWY 27			
LIMA, OH		AIRPORT NAME:		I-AOH		ILS OR LOC RWY 28, AMDT 4			AMDT: 3			
		LIMA ALLEN COUNTY				11 FEB 2010			DATED 03/12/2009			

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

TAKEOFF: _____	STANDARD _____	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N/A _____							
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 11 FEB 2010

QUALITY
6
CHECKED

CITY AND STATE LIMA, OH	ELEVATION: 975 TDZE: 963	FACILITY IDENTIFIER: LYL	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB OR GPS RWY 9, AMDT 2A, 01/11/2000	SUP
	AIRPORT NAME:			AMDT 2
	LIMA ALLEN COUNTY			DATE 12/10/1992

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
JINAK	HAPUV (FB)	201.08 / 10.89	3000	LPV: DA LNAV/VNAV: DA LNAV: RW10 CLIMB TO 3000 DIRECT DIYZO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 276.16 INBOUND. CHART FAS OBST: 1054 TREE 404254N/0840230W CHART FAS OBST: 1149 TOWER 404217N/0840513W CHART 1237 TOWER 404235N/0840730W. DISTANCE TO THLD FROM 291 HAT: 0.82 NM. WAAS CHANNEL # 65816 REFERENCE PATH ID: W10A								
HAPUV (IAF)	UCAYU (NOPT) (FB)	185.83 / 5.00	3000									
CUBOB (IAF)	UCAYU (NOPT) (FB)	005.88 / 7.07	3000									
UCAYU (IF/IAF)	BODYS (FB)	095.83 / 7.76	2400									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W UCAYU, RT, 095.83 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 095.94 FAF: BODYS DIST FAF TO MAP: 4.38 THLD: 4.38 4. MIN. ALT: UCAYU 3000, BODYS 2400, FIPVA/1.90 NM TO RW10 1580* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2400 GS ALT AT: BODYS OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW10 3000				MAG VAR: 6W EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1252	1	291	1252	1	291	1252	1	291	1252	1	291
LNAV/VNAV DA	1324	1 1/4	363	1324	1 1/4	363	1324	1 1/4	363	1324	1 1/4	363
LNAV MDA	1400	1	439	1400	1	439	1400	1 1/4	439	1400	1 1/2	439
CIRCLING	1420	1	445	1440	1	465	1440	1 1/2	465	1540	2	565
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING FINDLAY ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10												
CITY AND STATE		ELEVATION: 975 TDZE: 961		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
LIMA, OH		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 10, ORIG		AMDT: NONE				
		LIMA ALLEN COUNTY				11 FEB 2010		DATED				

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

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

NOTES CONT.***LNAV ONLY**

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

QUALITY
6
CHECKED

CITY AND STATE

LIMA, OH

ELEVATION: 975 TDZE: 961

AIRPORT NAME:

LIMA ALLEN COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KAOH
RUNWAY RW10
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W10A
LTP/FTP LATITUDE 404224.9900N
LTP/FTP LONGITUDE 0840220.4695W
LTP/FTP ELLIPSOIDAL HEIGHT +02548
FPAP LATITUDE 404224.9700N
FPAP LONGITUDE 0840023.3100W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0920
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

C7988E52

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02893
FPAP ORTHOMETRIC HEIGHT +02893



CITY AND STATE LIMA, OH	ELEVATION: 975 TDZE: 961 AIRPORT NAME: LIMA ALLEN COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, ORIG 11 FEB 2010	SUP: AMDT: NONE DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KA0HK5FR10	ACUBOB	010CUBOBK5EA0E	A	IF					18000		A	JS
SUSAP	KA0HK5FR10	ACUBOB	020UCAYUK5EA0EE	B	010TF		00590071	+	03000			A	JS
SUSAP	KA0HK5FR10	AJINAK	010JINAKK5EA0E		IF					18000		A	JS
SUSAP	KA0HK5FR10	AJINAK	020HAPUVK5EA0E	A	020TF		20110109	+	03000			A	JS
SUSAP	KA0HK5FR10	AJINAK	030UCAYUK5EA0EE	B	010TF		18580050	+	03000			A	JS
SUSAP	KA0HK5FR10	AUCAYU	010UCAYUK5EA0EE	AR	HF		09580040	+	03000	18000		A	JS
SUSAP	KA0HK5FR10	R	010UCAYUK5EA0E	I	IF			+	03000	18000		A	JS
SUSAP	KA0HK5FR10	R	020BODYSK5EA1E	F	051TF		09580078	+	02400		RW10	K5PGA	JS
SUSAP	KA0HK5FR10	R	020BODYSK5EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KA0HK5FR10	R	021FIPVAK5EA0E	S	031TF		09590025	V	0158001598	-300		A	JS
SUSAP	KA0HK5FR10	R	030RW10	K5PGOGY	M	031TF	09590019		00989	-300		A	JS
SUSAP	KA0HK5FR10	R	040DIYZOK5EA0EYM		010DF			+	03000			A	JS
SUSAP	KA0HK5FR10	R	050DIYZOK5EA0EE		R020HM		27620040	+	03000			A	JS

[illegible]

RECEIVED
JAN 11 1964

CITY AND STATE LIMA, OH	ELEVATION: 975 TDZE: 961 AIRPORT NAME: LIMA ALLEN COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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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11174

CITY AND STATE LIMA, OH	ELEVATION: 975 TDZE: 961	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME: LIMA ALLEN COUNTY			AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
FDY VORTAC	ACUZI (FB)	198.73 / 10.16	3000	LPV: DA LNAV/VNAV: DA LNAV: RW28 CLIMB TO 3000 DIRECT UCAYU AND HOLD. WHEN AUTHORIZED BY ATC, CLIMB-IN-HOLD TO 6000. ADDITIONAL FLIGHT DATA: HOLD W, RT, 095.83 INBOUND. CHART FAS OBST: 1110 TWR 404223N/0835934W CHART FAS OBST: 1114 TREE 404248N/0835825W 1229 AAO 404303N/0835615W. DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.13 MILES TO RW28* *LNAV ONLY. WAAS CHANNEL # 50511 REFERENCE PATH ID: W28A
BUZZI	CAGIN (FB)	345.01 / 5.71	3000	
ACUZI (IAF)	DIYZO (NOPT) (FB)	186.16 / 5.00	3000	
CAGIN (IAF)	DIYZO (NOPT) (FB)	006.16 / 5.00	3000	
DIYZO (IF/IAF)	WEVIG (FB)	276.16 / 6.02	2200	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E DIYZO, RT, 276.16 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 276.07 FAF: WEVIG DIST FAF TO MAP: 3.65 THLD: 3.65
- MIN. ALT: DIYZO 3000, WEVIG 2200
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2200 GS ALT AT: WEVIG OM: MM: IM:
- GS ANGLE: 3.00 TCH: 49.4 34:1 IS CLEAR
- MSA FROM: RW28 3000

MAG VAR: 6W EPOCH YEAR: 2010

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @											
CATEGORY	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	1175	3/4	200	1175	3/4	200	1175	3/4	200	1175	3/4	200				
LNAV/VNAV DA	1391	1 1/2	416	1391	1 1/2	416	1391	1 1/2	416	1391	1 1/2	416				
LNAV MDA	1380	1	405	1380	1	405	1380	1 1/4	405	1380	1 1/4	405				
CIRCLING	1420	1	445	1440	1	465	1440	1 1/2	465	1540	2	565				

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 46C (114F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGS AND RNAV GLIDE PATH NOT COINCIDENT.
 CHART NOTE: VDP AND BARO-VNAV NA WHEN USING FINDLAY ALTIMETER SETTING.
 SEE 8260-10

CITY AND STATE LIMA, OH	ELEVATION: 975 TDZE: 975 AIRPORT NAME: LIMA ALLEN COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1 11 FEB 2010	SUP: RNAV (GPS) RWY 27 AMDT: ORIG DATED 03/12/2009

QUALITY
4
CHECKED

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

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FINDLAY ALTIMETER SETTING AND INCREASE

ALL DA/MDA 80 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITIES 1/4 MILE AND INCREASE LNAV

CAT D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FDY VORTAC AIRWAY RADIALS 148 CW 243.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT BUZZI VIA V144 EAST BOUND.



CITY AND STATE

LIMA, OH

ELEVATION: 975 TDZE: 975

AIRPORT NAME:

LIMA ALLEN COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, AMDT 1

11 FEB 2010

SUP. RNAV (GPS) RWY 27

AMDT: ORIG

DATED: 03/12/2009

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KAOH
RUNWAY RW28
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W28A
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE 404224.9775N
LTP/FTP LONGITUDE 0840102.5620W
LTP/FTP ELLIPSOIDAL HEIGHT +02626
FPAP LATITUDE 404224.9900N
FPAP LONGITUDE 0840227.1000W
THRESHOLD CROSSING HEIGHT (TCH) 00049.4
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.50
LENGTH OFFSET 0160
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

A131E08D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02973
FPAP ORTHOMETRIC HEIGHT +02973

QUALITY
&
CHECKED

CITY AND STATE

LIMA, OH

ELEVATION: 975 TDZE: 975

AIRPORT NAME:

LIMA ALLEN COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, AMDT 1

11 FEB 2010

SUP: RNAV (GPS) RWY 27

AMDT: ORIG

DATED: 03/12/2009

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KA0HK5FR28	ABUZZI	010BUZZIK5EA0E	IF							18000		A JS	
SUSAP KA0HK5FR28	ABUZZI	020CAGINK5EA0E	A 020TF			34500057		+ 03000				A JS	
SUSAP KA0HK5FR28	ABUZZI	030DIYZOK5EA0EE	B 010TF			00620050		+ 03000				A JS	
SUSAP KA0HK5FR28	ADIYZO	010DIYZOK5EA0EE	AR HF			27620040		+ 03000		18000		A JS	
SUSAP KA0HK5FR28	AFDY	010FDY K5D 0V	IF							18000		A JS	
SUSAP KA0HK5FR28	AFDY	020ACUZI5K5EA0E	A 020TF			19870102		+ 03000				A JS	
SUSAP KA0HK5FR28	AFDY	030DIYZOK5EA0EE	B 010TF			18620050		+ 03000				A JS	
SUSAP KA0HK5FR28	R	010DIYZOK5EA0E	I IF					+ 03000		18000		A JS	
SUSAP KA0HK5FR28	R	020WEVIGK5EA1E	F 051TF			27620060		+ 02200			RW28 K5PGA	JS	
SUSAP KA0HK5FR28	R	020WEVIGK5EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP KA0HK5FR28	R	030RW28 K5PG0GY	M 031TF			27610037		01025		-300		A JS	
SUSAP KA0HK5FR28	R	040UCAYUK5EA0EYM	010DF					+ 03000				A JS	
SUSAP KA0HK5FR28	R	050UCAYUK5EA0EE	R020HM			09580040		+ 03000				A JS	

QUALITY
6
CHECKED

CITY AND STATE LIMA, OH	ELEVATION: 975 TDZE: 975 AIRPORT NAME: LIMA ALLEN COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1 11 FEB 2010	SUP: RNAV (GPS) RWY 27
				AMDT: ORIG
				DATED: 03/12/2009

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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KAOHK5GRW28	0060002760	N40422498W084010256-0400	+0262600975000049150I										
	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KAOHK5PR28	RW28 001 0000W28A0N4042249775W08401025620+026260300N4042249900W084022710001065001600000494F400350A131E08D												
SUSAP KAOHK5PR28	RW28 002E +02973+02973LPV 50511												
	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KAOHK5SRW28 K5PG	0	18018003025	M										

QUALITY
6
CHECKED

CITY AND STATE LIMA, OH	ELEVATION: 975 TDZE: 975	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1 11 FEB 2010	SUP: RNAV (GPS) RWY 27
	AIRPORT NAME: LIMA ALLEN COUNTY			AMDT: ORIG
				DATED: 03/12/2009

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 10, 28 STANDARD.

RWY 14, 32 NA - ENVIRONMENTAL.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 10, BUSH BEGINNING 162' FROM DER, 310' RIGHT OF CENTERLINE, UP TO 4' AGL/983' MSL.

NOTE: RWY 28, MULTIPLE TREES BEGINNING 1343' FROM DER, 160' RIGHT OF CENTERLINE, UP TO 71' AGL/1015' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
6
CHECKED

(5) City, State

LIMA, OH

(6) Airport

LIMA ALLEN COUNTY

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

1

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 2.25 MILES AFTER VOR									
FDY VORTAC		AOH VOR		215.06 / 17.75				2700		CLIMB TO 3000 THEN LEFT TURN DIRECT AOH VOR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 274.00 INBOUND. CHART FAS OBST: 1114 TREE 404248N/0835825W AOH VOR TO RW28: 3.26/46.									
1. PT <u>R</u> SIDE OF COURSE <u>093.77</u> OUTBOUND <u>2700</u> FT WITHIN <u>10</u> MILES OF <u>AOH VOR</u> (IAF) 2. _____ 3. FAC <u>273.77</u> FAF <u>AOH VOR</u> DIST FAF TO MAP <u>2.25</u> THLD <u>2.25</u> 4. MIN. ALT <u>AOH VOR 1800</u> 8. MSA FROM: <u>AOH VOR 3000</u>														MAG VAR: 4W		EPOCH YEAR: 1985			
MINIMUMS																			
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		STANDARD @					
CATEGORY ==>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
S-28	1380	1	405	1380	1	405	1380	1 1/4	405	1380	1 1/4	405							
CIRCLING	1420	1	445	1440	1	465	1440	1 1/2	465	1540	2	565							
NOTES: CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FINDLAY ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND S-28 CAT D VISIBILITY 1/4 MILE.																			
CITY AND STATE LIMA, OH				ELEVATION: 975 TDZE: 975 AIRPORT NAME: LIMA ALLEN COUNTY				FACILITY IDENTIFIER: AOH		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 28, AMDT 16 11 FEB 2010				SUP VOR RWY 28					
														AMDT 15					
														DATE 03/12/2009					

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 17, STANDARD

RWY 35, 300-1 ¼ OR STANDARD WITH MINIMUM CLIMB OF 344 FT PER NM TO 1200.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, VEHICLES ON ROAD, 658' FROM DER, LEFT AND RIGHT OF CENTERLINE UP TO 15' AGL/ 862' MSL, TREES BEGINNING 25' FROM DER 258' LEFT OF CENTERLINE UP TO 61' AGL/ 880' MSL. TREES BEGINNING 239' FROM DER, 180' RIGHT OF CENTERLINE UP TO 32' AGL/ 886' MSL.

NOTE: RWY 35, HOPPER 5781' FROM DER, 1444' LEFT OF CENTERLINE, 214' AGL/ 1091' MSL. MULTIPLE TREES AND POLES BEGINNING 82' FROM DER, 34' LEFT OF CENTERLINE, UP TO 78' AGL/ 941' MSL. MULTIPLE TREES AND POLES BEGINNING 256' FROM DER, 40' RIGHT OF CENTERLINE, UP TO 99' AGL/ 941' MSL.

(4) CONTROLLING OBSTACLES:

RWY 35: 1091 MSL ROD ON HOPPER 341010.87N-0970740.14W.

QUALITY
5
CHECKED

(5) City, State

ARDMORE, OK

(6) Airport

ARDMORE DOWNTOWN EXECUTIVE

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

2

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS: STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, TREE 1,709' FROM DER, 870' LEFT OF CENTERLINE, 60' AGL/1,119' MSL. TREE 918' FROM DER, 733' RIGHT OF CENTERLINE, 31' AGL/1,098' MSL.

NOTE: RWY 35, TREE 2,377' FROM DER, 802' LEFT OF CENTERLINE, 60' AGL/1,179' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

LAWTON, OK

(6) Airport

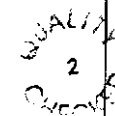
LAWTON-FT SILL REGIONAL

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

ORIG



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

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				MAP: 5.92 MILES AFTER PTW VORTAC
				CLIMBING LEFT TURN TO 3000 DIRECT PTW VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.
				ADDITIONAL FLIGHT DATA: HOLD W, RT, 109.98 INBOUND. FAS OBST: 539 AAO 401203N/0752942W 599 AAO 401412N/0753217W PTW VORTAC TO RW09: 3.04/40.

1. PT L SIDE OF COURSE 289.98 OUTBOUND 3000 FT WITHIN 10 MILES OF PTW VORTAC (IAF)
 2. _____
 3. FAC 109.98 FAF PTW VORTAC DIST FAF TO MAP 5.92 THLD _____
 4. MIN. ALT PTW VORTAC 2200 _____
 8. MSA FROM: PTW VORTAC 2900 _____

MAG VAR: 9W EPOCH YEAR: 1965

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: NA	X					
CATEGORY >>>>>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	820	1	543		NA			NA			NA				

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART NOTE: USE POTTSTOWN-LIMERICK ALTIMETER SETTING; WHEN NOT RECEIVED, USE PHILADELPHIA INTL ALTIMETER SETTING AND INCREASE MDA 80 FEET.

CITY AND STATE COLLEGEVILLE, PA	ELEVATION: 277 TDZE: AIRPORT NAME: PERKIOMEN VALLEY	FACILITY IDENTIFIER: PTW	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, ORIG 11 FEB 2010	SUP AMDT NONE DATE

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
TEPDE (IAF)	FONLU (NOPT) (FB)	104.55 / 5.00	2500	LNAV: RW01 CLIMBING LEFT TURN TO 2500 DIRECT FONLU AND HOLD. ADDITIONAL FLIGHT DATA: FAS OBST: 849 AAO 335192N/0814749W CHART 1150 TOWER 335045N/0814621W. CHART AIKEN AWOS-3. CUBOK TO RW01: 3.04/45.
JIVPO (IAF)	FONLU (NOPT) (FB)	284.67 / 5.00	2500	
FONLU (IF/IAF)	CUBOK (FB)	014.61 / 6.10	2200	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. HOLD S FONLU, LT, 014.61 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
 3. FAC: 014.62 FAF: CUBOK DIST FAF TO MAP: 5.01 THLD: 5.01
 4. MIN. ALT: FONLU 2500, CUBOK 2200
 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: 6W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:	☐	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	☒										
CATEGORY	=====	A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA		1160	1	621	1160	1	621	1160	1 3/4	621		NA				
CIRCLING		1160	1	621	1160	1	621	1160	1 3/4	621		NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: USE AIKEN ALTIMETER SETTING; WHEN NOT RECEIVED, USE AUGUSTA RGNL AT BUSH FIELD
 ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, LNAV AND CIRCLING CAT C VISIBILITIES 1/4 MILE.

CITY AND STATE	ELEVATION: 539 TDZE: 539	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SALUDA, SC	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 1, ORIG 11 FEB 2010	AMDT: NONE
	SALUDA COUNTY			DATED

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TAA

	FROM	TO	ALT
1.	285/30 CW 105/30 (NOPT)	285/10 CW 105/10	3000
2.	285/10 CW 105/10	FONLU (IF/IAF) (FB)	2500
3.	105/30 CW 195/30	TEPDE (IAF) (FB)	2500
4.	195/30 CW 285/30	JIVPO (IAF) (FB)	2500

QUALITY
2
CHECKED

CITY AND STATE

SALUDA, SC

ELEVATION: 539 TDZE: 539

AIRPORT NAME:

SALUDA COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 6J4 K7FR01	AFONLU	010FONLUK7EA0EE	AL	HF		01460040	+	02500	18000			B JS	
SUSAP 6J4 K7FR01	AJIVPO	010JIVPOK7EA0E	A	IF					18000			B JS	
SUSAP 6J4 K7FR01	AJIVPO	020FONLUK7EA0EE	B	010TF		28470050	+	02500				B JS	
SUSAP 6J4 K7FR01	ATEPDE	010TEPDEK7EA0E	A	IF					18000			B JS	
SUSAP 6J4 K7FR01	ATEPDE	020FONLUK7EA0EE	B	010TF		10460050	+	02500				B JS	
SUSAP 6J4 K7FR01	R	010FONLUK7EA0E	I	IF			+	02500	18000			B JS	
SUSAP 6J4 K7FR01	R	020CUBOKK7EA1E	F	051TF		01460061	+	02200				B JS	
SUSAP 6J4 K7FR01	R	020CUBOKK7EA2WN			N	ALNAV						JS	
SUSAP 6J4 K7FR01	R	030RW01 K7PGOGY	M	031TF		01460050		00582		-304		B JS	
SUSAP 6J4 K7FR01	R	040FONLUK7EA0EYM	L010DF				+	02500				B JS	
SUSAP 6J4 K7FR01	R	050FONLUK7EA0EE	L020HM			01460040	+	02500				B JS	

[illegible]

QUALITY
CHECKED

CITY AND STATE SALUDA, SC	ELEVATION: 539 TDZE: 539	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) RWY 1, ORIG	AMDT: NONE
	SALUDA COUNTY		11 FEB 2010	DATED:

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FONLU	FONLU	010	IAF	HF	L	FO		014.6 (009T)	004.0	02500
	JIVPO	JIVPO	010	IAF	IF		FB				
	JIVPO	FONLU	020	IF	TF		FB	1.0	284.7 (279T)	005.0	02500
	TEPDE	TEPDE	010	IAF	IF		FB				
	TEPDE	FONLU	020	IF	TF		FB	1.0	104.6 (099T)	005.0	02500
		FONLU	010	FACF	IF		FB				02500
		CUBOK	020	FAF	TF		FB	0.5	014.6 (009T)	006.1	02200
		RW01	030	MAP	TF		FO	0.3	014.6 (009T)	005.0	00582

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FONLU	040		DF	L	FO	1.0			02500
	FONLU	050		HM	L	FO	2.0	014.6 (009T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUBOK	N335023.03	W0814837.67	N3350.384	W08148.628
	FONLU	N334420.60	W0814943.44	N3344.343	W08149.724
	JIVPO	N334335.46	W0814347.80	N3343.591	W08143.797
	TEPDE	N334505.45	W0815539.18	N3345.091	W08155.653
	RW01	N335520.86	W0814743.50	N3355.348	W08147.725

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01	00537	45

QUALITY
CHECKED

CITY AND STATE
SALUDA, SC

ELEVATION: 539 TDZE: 539
 AIRPORT NAME:
 SALUDA COUNTY

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 1, ORIG
 11 FEB 2010

SUP:
 AMDT: NONE
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
FISIK (IAF)	ODODY (NOPT) (FB)	104.59 / 5.00	2500	LNAB: RW19 CLIMB TO 2500 DIRECT FONLU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 014.61 INBOUND. FAS OBST: 749 AAO 335949N/0814643W CHART 790 TOWER 340013N/0814630W. CHART AIKEN AWOS-3. AVIGY TO RW19: 3.03/52.								
CIXUP (IAF)	ODODY (NOPT) (FB)	284.71 / 5.00	2500									
ODODY (IF/IAF)	AVIGY (FB)	194.65 / 6.10	2200									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N ODODY, RT, 194.65 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>194.64</u> FAF: <u>AVIGY</u> DIST FAF TO MAP: <u>5.06</u> THLD: <u>5.06</u> 4. MIN. ALT: <u>ODODY 2500, AVIGY 2200</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u> </u>				MAG VAR: 6W EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF: <u> </u> STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ☒												
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAB MDA	1060	1	521	1060	1	521	1060	1 1/2	521	NA		
CIRCLING	1060	1	521	1060	1	521	1160	1.3/4	621	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 8260-10												
CITY AND STATE		ELEVATION: 539 TDZE: 539		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
SALUDA, SC		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 19, ORIG			AMDT: NONE			
		SALUDA COUNTY				11 FEB 2010			DATED			

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART NOTE: USE AIKEN ALTIMETER SETTING; WHEN NOT RECEIVED, USE AUGUSTA RGNL AT BUSH FIELD ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, LNAV AND CIRCLING CAT C VISIBILITIES 1/4 MILE.

TAA

	FROM	TO	ALT
1.	105/30 CW 285/30 (NOPT)	ODODY (IF/IAF) (FB)	2500
2.	285/30 CW 015/30	CIXUP (IAF) (FB)	2500
3.	015/30 CW 105/30	FISIK (IAF) (FB)	2500

QUALITY
2
CHECKED

CITY AND STATE

SALUDA, SC

ELEVATION: 539 TDZE: 539

AIRPORT NAME:

SALUDA COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 19, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 6J4 K7FR19	ACIXUP	010CIXUPK7EA0E	A	IF						18000		B JS	
SUSAP 6J4 K7FR19	ACIXUP	020ODODYK7EA0EE	B	010TF		28470050		+ 02500				B JS	
SUSAP 6J4 K7FR19	AFISIK	010FISIKK7EA0E	A	IF						18000		B JS	
SUSAP 6J4 K7FR19	AFISIK	020ODODYK7EA0EE	B	010TF		10460050		+ 02500				B JS	
SUSAP 6J4 K7FR19	AODOLY	010ODODYK7EA0EE	AR	HF		19470040		+ 02500		18000		B JS	
SUSAP 6J4 K7FR19	R	010ODODYK7EA0E	I	IF				+ 02500		18000		B JS	
SUSAP 6J4 K7FR19	R	020AVIGYK7EA1E	F	051TF		19470061		+ 02200				B JS	
SUSAP 6J4 K7FR19	R	020AVIGYK7EA2WN			N	ALNAV						JS	
SUSAP 6J4 K7FR19	R	030RW19 K7PG0GY	M	031TF		19460051			00574	-303		B JS	
SUSAP 6J4 K7FR19	R	040FONLUK7EA0EYM		010DF				+ 02500				B JS	
SUSAP 6J4 K7FR19	R	050FONLUK7EA0EE		L020HM		01460040		+ 02500				B JS	

QUALITY
1
CHECKED

FAA FORM 8260-10 / MARCH 2003 (Computer Generated)

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CIXUP	CIXUP	010	IAF	IF		FB				
	CIXUP	ODODY	020	IF	TF		FB	1.0	284.7 (279T)	005.0	02500
	FISIK	FISIK	010	IAF	IF		FB				
	FISIK	ODODY	020	IF	TF		FB	1.0	104.6 (099T)	005.0	02500
	ODODY	ODODY	010	IAF	HF	R	FO		194.7 (189T)	004.0	02500
		ODODY	010	FACF	IF		FB				02500
		AVIGY	020	FAF	TF		FB	0.5	194.7 (189T)	006.1	02200
		RW19	030	MAP	TF		FO	0.3	194.6 (189T)	005.1	00574

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FONLU	040		DF		FO	1.0			02500
	FONLU	050		HM	L	FO	2.0	014.6 (009T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AVIGY	N340052.50	W0814643.06	N3400.875	W08146.718
	CIXUP	N340609.89	W0813939.64	N3406.165	W08139.661
	FISIK	N340740.28	W0815134.07	N3407.671	W08151.568
	FONLU	N334420.60	W0814943.44	N3344.343	W08149.724
	ODODY	N340655.23	W0814536.80	N3406.921	W08145.613
	RW19	N335552.05	W0814737.82	N3355.868	W08147.630

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19	00522	52

QUALITY
CHECKED

CITY AND STATE SALUDA, SC	ELEVATION: 539	TDZE: 539	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME: SALUDA COUNTY				AMDT: NONE
					DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 5, 400-1 1/4.

RWY 23, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 337 FT PER NM TO 2000.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 5 - CLIMB HEADING 051.36 TO 4100 BEFORE TURNING RIGHT.

RWY 23 - CLIMB HEADING 231.37 TO 4400 BEFORE TURNING LEFT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5, TREES 964' FROM DER, 302' LEFT OF CENTERLINE, 100' AGL/1719' MSL. TREES BEGINNING 1035' FROM DER, 707' RIGHT OF CENTERLINE, UP TO 100' AGL/1959' MSL.

NOTE: RWY 23, TREES 1347' FROM DER, 162' LEFT OF CENTERLINE, 100' AGL/1679' MSL. TREES 2665' FROM DER, 1193' RIGHT OF CENTERLINE, 100' AGL/1699' MSL. TOWER 1 NM FROM DER, 163' LEFT OF CENTERLINE, 125' AGL/1770' MSL.

(4) CONTROLLING OBSTACLES:

RWY 5: 1769 MSL TREE 361157.63N/0824810.80W, 1959 MSL TREE 361217.98N/0824721.05W, 5080 MSL AAO 360349.10N/0823755.60W.

RWY 23: 1770 MSL TOWER 361030.00N/0825018.00W, 5044 MSL AAO 360136.90N/0824255.40W.

(5) City, State

GREENEVILLE, TN

(6) Airport

GREENEVILLE-GREENE COUNTY MUNI

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

3

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
TQA VOR/DME	TOMHI LOM/INT/I-ABI 6.76 DME	052.44 / 8.18	4000	ILS: DA LOC: 5.38 MILES AFTER TOMHI OR AT 1.38 DME FIX			
ABI VORTAC	TOMHI LOM/INT/I-ABI 6.76 DME	128.59 / 14.55	4000				
NUGEN/ABI 16.00 DME/RADAR	TOMHI LOM/INT/I-ABI 6.76 DME	171.03 / 24.03	4000	CLIMB TO 3300 THEN CLIMBING RIGHT TURN TO 4000 DIRECT TOMHI LOM AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 3300 THEN CLIMBING LEFT TURN TO 5000 DIRECT ABI VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000, HOLD W, RT, 105.00 INBOUND.			
TRUSS INT	TOMHI LOM/INT/I-ABI 6.76 DME	200.52 / 15.59	4000				
FLECK INT	TOMHI LOM/INT/I-ABI 6.76 DME	228.22 / 8.86	4000	ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.76 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD W ABI VORTAC, RT, 105.00 INBOUND. CHART FAS OBST: 2009 TANK 321944N/0994114W CHART 2059 TREE 321757N/0994057W CHART VDP AT 2.88 DME; DISTANCE VDP TO THLD 1.30 MILES. CHART IN PLANVIEW: ABI VORTAC. CHART ELMDALE AIRPORT (PVT) ON PLANVIEW			
MEDLY INT	TOMHI LOM/INT/I-ABI 6.76 DME	291.38 / 8.87	4000				

1. PT L SIDE OF COURSE 171.76 OUTBOUND 4000 FT WITHIN 15 MILES OF TOMHI LOM (IAF)

2. _____

3. FAC: 351.76 FAF: TOMHI LOM/INT/I-ABI 6.76 DME DIST FAF TO MAP: 5.38 THLD: 5.38

4. MIN. ALT: TOMHI LOM/INT/I-ABI 6.76 DME 3600

5. DIST TO THLD FROM OM: 5.38 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1162

6. MIN GS INCPT: 3600 GS ALT AT: GS INTC OM: 3573 MM: - IM: -

7. GS ANGLE: 3.00 TCH: 57.7

8. MSA FROM: AB LOM 315-225 4000, 225-315 4800

MAG VAR: 8E EPOCH YEAR: 1985

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: STANDARD #	LOC: STANDARD @									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 35R	* 1976	2400	200	* 1976	2400	200	* 1976	2400	200	* 1976	2400	200	* 1976	2400	200
S-LOC 35R	2260	2400	484	2260	2400	484	2260	4000	484	2260	5000	484	2260	6000	484
CIRCLING	2260	1	469	2260	1	469	2360	1 1/2	569	2360	2	569	2520	2 1/2	729

NOTES:
 CHART NOTES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DYESS ALTIMETER SETTING AND INCREASE ALL DA 21 FEET AND ALL MDA 40 FEET. VDP NA WHEN USING DYESS ALTIMETER SETTING.
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 35R CAT E VISIBILITY TO RVR 4000 AND S-LOC 35R CAT E VISIBILITY TO 1 3/4.
 SEE 8260-10

CAT E 800-2 1/2
 @ CAT E 800-2 1/2
 # @ NA WHEN CONTROL TOWER CLOSED.



CITY AND STATE ABILENE, TX	ELEVATION: 1791 TDZE: 1776	FACILITY IDENTIFIER: I-ABI	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 35R, AMDT 7 11 FEB 2010	SUP:
	AIRPORT NAME: ABILENE RGNL			AMDT: 6E
	DATED 04/10/2008			

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART NOTE: *RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.

CHART NOTE: ADF REQUIRED.

CHART PLANVIEW NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY AT NUGEN.

CITY AND STATE

ABILENE, TX

ELEVATION: 1791 TDZE: 1776

AIRPORT NAME:

ABILENE RGNL

FACILITY
IDENTIFIER:

I-ABI

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 35R, AMDT 7

11 FEB 2010

SUP:

AMDT: 6E

DATED: 04/10/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.25								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 4.61 MILES AFTER HONUN OR AT I-EMB 1.36 DME FIX						
TQA VOR/DME		HONUN INT/I-EMB 5.97 DME		012.47 / 17.45				4000		CLIMB TO 2800 THEN CLIMBING LEFT TURN TO 4000 DIRECT TOMHI LOM AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 2800 THEN CLIMBING RIGHT TURN TO 5000 DIRECT ABI VORTAC AND HOLD W, RT, 105.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.76 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD W ABI VORTAC, RT, 105.00 INBOUND. CHART FAS OBST: 1980 TOWER 322853N/0994141W CHART VDP AT 2.81 DME; DISTANCE VDP TO THLD 1.45 MILES. CHART IN PLANVIEW: ABI VORTAC. HONUN TO RW17R: 3.02 / 61. CHART ELMDALE AIRPORT (PVT) ON PLANVIEW						
ABI VORTAC		HONUN INT/I-EMB 5.97 DME		071.03 / 9.15				4000								
1. PT <u>L</u> SIDE OF COURSE <u>351.76</u> OUTBOUND <u>4000</u> FT WITHIN <u>15</u> MILES OF <u>HONUN</u> (IAF) 2. _____ 3. FAC <u>171.76</u> FAF <u>HONUN INT/I-EMB 5.97 DME</u> DIST FAF TO MAP <u>4.61</u> THLD <u>4.61</u> 4. MIN. ALT <u>HONUN INT/I-EMB 5.97 DME 3300</u> 8. MSA FROM: <u>AB LOM 315-225 4000, 225-315 4600</u>										MAG VAR: 8E				EPOCH YEAR: 1985		
MINIMUMS																
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @				
CATEGORY =====>		A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-17R	2280	1	509	2280	1	509	2280	1 1/2	509	2280	1 1/2	509	2280	1 3/4	509	
CIRCLING	2280	1	489	2280	1	489	2360	1 1/2	569	2360	2	569	2520	2 1/2	729	
NOTES: CHART NOTE: ADF REQUIRED. CHART NOTES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DYESS ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND VISIBILITY FOR S-17R CAT D AND E, CIRCLING CAT C, D, AND E 1/4 MILE. VDP NA WHEN USING DYESS ALTIMETER SETTING.																
CITY AND STATE ABILENE, TX				ELEVATION: 1791 TDZE: 1771 AIRPORT NAME: ABILENE RGNL		FACILITY IDENTIFIER: I-EMB		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 17R, ORIG 11 FEB 2010				SUP				
												AMDT NONE				
												DATE				

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

TAKEOFF: ☐ STANDARD ☐		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A ☐							
CATEGORY >>>>>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 11 FEB 2010

CITY AND STATE ABILENE, TX	ELEVATION: 1791 TDZE: 1791	FACILITY IDENTIFIER: I-ABI	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC BC RWY 17L, AMDT 3D, 07/03/2008	SUP
	AIRPORT NAME: ABILENE REGIONAL			AMDT 3C
				DATE 08/31/2006

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 16, 34 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 16, TREES AND POLES BEGINNING 45' FROM DER, 272' RIGHT OF CENTERLINE TO 305' LEFT OF CENTERLINE, UPTO 89' AGL/299' MSL. NOTE: RWY 34, TREES BEGINNING 18' FROM DER, 325' RIGHT OF CENTERLINE TO 380' LEFT OF CENTERLINE, UP TO 61' AGL/351 MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
CHECKED

(5) City, State BRENHAM, TX	(6) Airport BRENHAM MUNI	(7) Effective Date 11 FEB 2010	(8) Amdt. No. 1

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

TAKEOFF: ☐	STANDARD ☐	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A ☐							
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 11 FEB 2010

QUALITY
2
CHECKED

CITY AND STATE DUMAS, TX	ELEVATION: 3705 TDZE: 3701	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 19, ORIG-A, 01/25/2001	SUP
	AIRPORT NAME:			AMDT ORIG
	MOORE COUNTY			DATE 4/25/96

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW01 CLIMB TO 5700 DIRECT TO MIVRE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 194.19 INBOUND. CHART FAS OBST: 3829 TREE 355032N/1020202W CHART FAS OBST: 3860 TOWER 354917N/1020150W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.27 MILES TO RW01* *LNAV ONLY. WAAS CHANNEL # 63016 REFERENCE PATH ID: W01A								
DHT VORTAC	LALNE (FB)	133.67 / 28.02	5700									
BGD VORTAC	GETXU (FB)	244.46 / 31.95	5700									
LALNE (IAF)	KIXSO (NOPT) (FB)	104.04 / 5.00	5700									
GETXU (IAF)	KIXSO (NOPT) (FB)	284.14 / 5.00	5700									
KIXSO (IF/IAF)	WALAS (FB)	014.09 / 6.10	5200									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S KIXSO, RT, 014.09 INBOUND, 5700 FT. IN LIEU OF PT (IAF) 3. FAF: <u>014.12</u> FAF: <u>WALAS</u> DIST FAF TO MAP: <u>4.48</u> THLD: <u>4.48</u> 4. MIN. ALT: <u>KIXSO 5700, WALAS 5200, JONIN/1.90 NM TO RW01 4360*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>5200</u> GS ALT AT: <u>WALAS 5200</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW01 5700</u>				MAG VAR: 9E EPOCH YEAR: 1990								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @							
CATEGORY ==>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3906	1	200	3906	1	200	3906	1	200	3906	1	200
LNAV/VNAV DA	4132	1 1/2	426	4132	1 1/2	426	4132	1 1/2	426	4132	1 1/2	426
LNAV MDA	4160	1	454	4160	1	454	4160	1 1/4	454	4160	1 1/2	454
CIRCLING	4160	1	454	4220	1	514	4220	1 1/2	514	4300	2	594
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING DALHART ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C (-7F) OR ABOVE 41C (105F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10												
CITY AND STATE		ELEVATION: 3706 TDZE: 3706		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
DUMAS, TX		AIRPORT NAME:				RNAV (GPS) RWY 1, ORIG			AMDT: NONE			
		MOORE COUNTY				11 FEB 2010			DATED			

QUALITY
2
CHECKED

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

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

NOTES CONT.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DALHART ALTIMETER SETTING AND INCREASE DA 104 FEET AND ALL MDA 120 FEET, INCREASE LNAV/VNAV ALL CATS, LNAV CATS C AND D AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DHT VORTAC ON V81 NORTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BGD VORTAC AIRWAY RADIALS 193 CW 241.

CHART NOTE: VDP NA WITH DALHART ALTIMETER SETTING.

CITY AND STATE

DUMAS, TX

ELEVATION: 3706 TDZE: 3706

AIRPORT NAME:

MOORE COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDUX
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	355055.6400N
LTP/FTP LONGITUDE	1020103.4435W
LTP/FTP ELLIPSOIDAL HEIGHT	+11035
FPAP LATITUDE	355217.6900N
FPAP LONGITUDE	1020020.3600W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

D73CD1D2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+11297
FPAP ORTHOMETRIC HEIGHT	+11297

QUALITY
2
CHECKED

CITY AND STATE DUMAS, TX	ELEVATION: 3706 TDZE: 3706 AIRPORT NAME: MOORE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible]

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.

CITY AND STATE DUMAS, TX	ELEVATION: 3706 TDZE: 3706 AIRPORT NAME: MOORE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
DHT VORTAC	WAVSU (FB)	085.13 / 25.66	5700	LPV: DA LNAV/VNAV: DA LNAV: RW19
BGD VORTAC	ZUMTA (FB)	288.27 / 24.51	5700	CLIMB TO 5700 DIRECT TO KIXSO AND HOLD.
WAVSU (IAF)	MIVRE (NOPT) (FB)	104.13 / 5.00	5700	
ZUMTA (IAF)	MIVRE (NOPT) (FB)	284.25 / 5.00	5700	
MIVRE (IF/IAF)	UCARO (FB)	194.19 / 6.10	5200	
				ADDITIONAL FLIGHT DATA: HOLD S, RT, 014.09 INBOUND. CHART FAS OBST: 3794 TREE 355200N/1020103W CHART FAS OBST: 3960 TOWER 355325N/1015838W CHART 4057 TOWER 355521N/1015753W. DISTANCE TO THLD FROM 250 HAT: 0.64 NM. WAAS CHANNEL # 69416

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 014.09 INBOUND.
CHART FAS OBST: 3794 TREE 355200N/1020103W
CHART FAS OBST: 3960 TOWER 355325N/1015838W
CHART 4057 TOWER 355521N/1015753W.
DISTANCE TO THLD FROM 250 HAT: 0.64 NM.
WAAS CHANNEL # 69416
REFERENCE PATH ID: W19A

EPOCH YEAR: 1990

[illegible]

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
2
CHECKED

FAA FORM 8260 - 3 / December 2002 (computer generated)

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

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

NOTES CONT.**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DHT VORTAC AIRWAY RADIALS 041 CW 129.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BGD VORTAC VIA V390 NORTHEAST BOUND.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DALHART ALTIMETER SETTING AND INCREASE DA 104 FEET AND ALL MDA 120 FEET, INCREASE LPV ALL CATS, AND CIRCLING CAT D VISIBILITY 1/4 MILE, AND LNAV/VNAV ALL CATS, LNAV CATS C/D AND CIRCLING CAT C VISIBILITY 1/2 MILE.**

CITY AND STATE

DUMAS, TX

ELEVATION: 3706 TDZE: 3701

AIRPORT NAME:

MOORE COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 19, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDUX
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	355150.2155N
LTP/FTP LONGITUDE	1020034.7920W
LTP/FTP ELLIPSOIDAL HEIGHT	+11010
FPAP LATITUDE	355028.1700N
FPAP LONGITUDE	1020117.8600W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	28785F55

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+11272
FPAP ORTHOMETRIC HEIGHT	+11272

CITY AND STATE DUMAS, TX	ELEVATION: 3706 TDZE: 3701 AIRPORT NAME: MOORE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible]

10

CITY AND STATE DUMAS, TX	ELEVATION: 3706 TDZE: 3701	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME: MOORE COUNTY			AMDT: NONE
				DATED:

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

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

[illegible]

CITY AND STATE
DUMAS, TX

ELEVATION: 3706 TDZE: 3701
AIRPORT NAME:
MOORE COUNTY

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 19, ORIG
11 FEB 2010

SUP:	
AMDT:	NONE
DATED:	

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 01, 14, 19, 32 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1, MULTIPLE POLES BEGINNING 766' FROM DER, 455' RIGHT OF CENTERLINE, UP TO 31' AGL/3724MSL. MULTIPLE POLES AND BUILDING BEGINNING 55' FROM DER 438' LEFT OF CENTERLINE, UP TO 30' AGL/3723'MSL. VEHICLE ON ROAD 47' FROM DER, ON CENTERLINE, 15' AGL/3712' MSL. TREES 1,240' FROM DER, 764' LEFT OF CENTERLINE, UP TO 100' AGL/3789' MSL. TREES 2049' FROM DER, 933' RIGHT OF CENTERLINE, UP 100' AGL/3790' MSL.

NOTE: RWY 19 TREES 226' FROM DER, 538' RIGHT OF CENTERLINE, UP TO 100' AGL/3809' MSL. TREES 228' FROM DER, 533' LEFT OF CENTERLINE, UP TO 100' AGL/3804' MSL.

NOTE: RWY 14, TREE 879' FROM DER, ON CENTERLINE, 100' AGL/3788' MSL.

NOTE: RWY 32, TREE 1480' FROM DER, 15' LEFT OF CENTERLINE, 100' AGL/3794' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

DUMAS, TX

(6) Airport

MOORE COUNTY

(7) Effective Date
11 FEB 2010

(8) Amdt. No.
ORIG

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW17 CLIMBING RIGHT TURN TO 2800 DIRECT AHOTO AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 629 TREE 320922N/0945158W EWDUF TO RW17: 3.05/40.
PIPES	AHOTO (FO)	319.29 / 12.28	2800	
GGG VORTAC (IAF)	AHOTO (NOPT) (FB)	236.04 / 8.35	2800	
AHOTO (IF/IAF)	EWDUF (FB)	166.98 / 6.10	2400	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N AHOTO, RT, 166.98 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
- FAC: 166.99 FAF: EWDUF DIST FAF TO MAP: 5.95 THLD: 5.95
- MIN. ALT: AHOTO 2800, EWDUF 2400, JEDUB/2.00 NM TO RW17 1120
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW17 3100

MAG VAR: 3E

EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @									
CATEGORY	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	980	1	538	980	1	538	980	1 1/2	538		NA				
CIRCLING	980	1	538	980	1	538	980	1 1/2	538		NA				

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LONGVIEW ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GGG VORTAC VIA V94 EASTBOUND.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 442 TDZE: 442	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1	SUP: RNAV (GPS) RWY 16
HENDERSON, TX	AIRPORT NAME: RUSK COUNTY		11 FEB 2010	AMDT: ORIG
				DATED 04/18/2002

QUALITY
5
CHECKED

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

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

CITY AND STATE
HENDERSON, TX

ELEVATION: 442 TDZE: 442
AIRPORT NAME:
RUSK COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 17, AMDT 1
11 FEB 2010

SUP: RNAV (GPS) RWY 16
AMDT: ORIG
DATED: 04/18/2002

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.

[illegible]

QUALITY
6
CHECKED

CITY AND STATE HENDERSON, TX	ELEVATION: 442 TDZE: 442 AIRPORT NAME: RUSK COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 11 FEB 2010	SUP. RNAV (GPS) RWY 16
				AMDT: ORIG
				DATED: 04/18/2002

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.

QUALITY
6
CHECKED

CITY AND STATE HENDERSON, TX	ELEVATION: 442 TDZE: 442 AIRPORT NAME: RUSK COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 11 FEB 2010	SUP: RNAV (GPS) RWY 16
				AMDT: ORIG
				DATED: 04/18/2002

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

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____

EPOCH YEAR: _____

TAKEOFF:	STANDARD	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A								
CATEGORY >>>>>	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	

NOTES:

PROCEDURE CANCELED EFFECTIVE 11 FEB 2010

CITY AND STATE HEREFORD, TX	ELEVATION: 3785 TDZE: 3785 AIRPORT NAME: HEREFORD MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 20, ORIG-A, 03/24/1999	SUP AMDT ORIG DATE 06/20/1996

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
TXO VORTAC	KABHE (FB)	038.46 / 20.95	6000	LPV: DA LNAV/VNAV: DA LNAV: RW02			
PVW VOR/DME	HEGEK (FB)	311.71 / 43.79	6000				
PNH VORTAC	LEMGE (FO)	219.44 / 48.92	6000	CLIMB TO 6000 DIRECT WAHLO AND HOLD.			
KABHE (IAF)	LEMGE (NOPT) (FB)	109.75 / 5.00	6000				
HEGEK (IAF)	LEMGE (NOPT) (FB)	289.85 / 5.00	6000	ADDITIONAL FLIGHT DATA: HOLD N, RT, 199.92 INBOUND. CHART FAS OBST: 3839 TREE 345048N/1022024W CHART FAS OBST: 3928 TOWER 345009N/1022039W 4044 AAO 344640N/1022223W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.26 MILES TO RW02* *LNAV ONLY. WAAS CHANNEL # 50416 REFERENCE PATH ID: W02A			
LEMGE (IF/IAF)	GEGTE (FB)	019.80 / 6.10	5500				

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. HOLD S LEMGE, RT, 019.80 INBOUND, 6000 FT. IN LIEU OF PT (IAF)	
3. FAC: 019.83 FAF: GEGTE DIST FAF TO MAP: 5.14 THLD: 5.14	
4. MIN. ALT: LEMGE 6000, GEGTE 5500, CIPVU/1.80 NM TO RW02 4400*	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____	
6. MIN GS INCPT: 5500 GS ALT AT: GEGTE 5500 OM: _____ MM: _____ IM: _____	
7. GS ANGLE: 3.00 TCH: 52.3 34:1 IS CLEAR	
8. MSA FROM: RW02 5600	

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3986	3/4	200	3986	3/4	200	3986	3/4	200	3986	3/4	200			
LNAV/VNAV DA	4126	1 1/4	340	4126	1 1/4	340	4126	1 1/4	340	4126	1 1/4	340			
LNAV MDA	4240	1	454	4240	1	454	4240	1 1/4	454	4240	1 1/2	454			
CIRCLING	4240	1	452	4280	1	492	4280	1 1/2	492	4340	2	552			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C (-7F) OR ABOVE 41C (105F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AMARILLO INTL ALTIMETER SETTING AND SEE 8260-10.
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE HEREFORD, TX	ELEVATION: 3788 TDZE: 3786 AIRPORT NAME: HEREFORD MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 11 FEB 2010	SUP: AMDT: NONE DATED

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

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

NOTES CONT.

INCREASE ALL DA 112 FEET AND ALL MDA 120 FEET, INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CATS C AND D, AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

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

CHART NOTE: VDP NA WITH AMARILLO INTL ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TXO VORTAC VIA V530 WESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PNH VORTAC AIRWAY RADIALS 247 CW 261.



CITY AND STATE

HEREFORD, TX

ELEVATION: 3788 TDZE: 3786

AIRPORT NAME:

HEREFORD MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KHRX
RUNWAY RW02
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W02A
LTP/FTP LATITUDE 345119.4565N
LTP/FTP LONGITUDE 1021945.5130W
LTP/FTP ELLIPSOIDAL HEIGHT +11286
FPAP LATITUDE 345237.6200N
FPAP LONGITUDE 1021853.2400W
THRESHOLD CROSSING HEIGHT (TCH) 00052.3
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0888
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

E14DA247

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +11540
FPAP ORTHOMETRIC HEIGHT +11540

QUALITY
CHECKED

CITY AND STATE HEREFORD, TX	ELEVATION: 3788 TDZE: 3786	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME: HEREFORD MUNI			AMDT: NONE
	DATED:			

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

[illegible]

CITY AND STATE HEREFORD, TX	ELEVATION: 3788 TDZE: 3786 AIRPORT NAME: HEREFORD MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

CITY AND STATE HEREFORD, TX	ELEVATION: 3788 TDZE: 3786 AIRPORT NAME: HEREFORD MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
PORCU (IAF)	WAHLO (NOPT) (FB)	126.78 / 5.44	6000	LPV: DA LNAV/VNAV: DA LNAV: RW20	
YACUL (IAF)	WAHLO (NOPT) (FB)	295.54 / 6.29	6000	CLIMB TO 6000 DIRECT LEMGE AND HOLD.	
WAHLO (IF/IAF)	RADNY (FB)	199.92 / 6.10	5500	ADDITIONAL FLIGHT DATA: HOLD S, RT, 019.80 INBOUND. CHART FAS OBST: 3834 TREE 345256N/1021901W CHART FAS OBST: 3854 TREE 345417N/1021846W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 0.90 MILES TO RW20* *LNAV ONLY. WAAS CHANNEL # 61216 REFERENCE PATH ID: W20A	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD N WAHLO, RT, 199.92 INBOUND, 6000 FT. IN LIEU OF PT (IAF)

3. FAC: 199.89 FAF: RADNY DIST FAF TO MAP: 5.16 THLD: 5.16

4. MIN. ALT: WAHLO 6000, RADNY 5500, OLIVY/1.90 NM TO RW20 4420*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:

6. MIN GS INCPT: 5500 GS ALT AT: RADNY 5500 OM: MM: IM:

7. GS ANGLE: 3.00 TCH: 48.0 34:1 IS CLEAR

8. MSA FROM: RW20 5600

MAG VAR: 9E EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY >>>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3986	3/4	200	3986	3/4	200	3986	3/4	200	3986	3/4	200			
LNAV/VNAV DA	4120	1 1/4	334	4120	1 1/4	334	4120	1 1/4	334	4120	1 1/4	334			
LNAV MDA	4120	1	334	4120	1	334	4120	1	334	4120	1	334			
CIRCLING	4160	1	372	4280	1	492	4280	1 1/2	492	4340	2	552			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C (-7F) OR ABOVE 41C (105F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AMARILLO INTL ALTIMETER SETTING AND SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
2
CHECKED

CITY AND STATE HEREFORD, TX	ELEVATION: 3788 TDZE: 3786 AIRPORT NAME: HEREFORD MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, ORIG 11 FEB 2010	SUP: AMDT: NONE DATED

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

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

NOTES CONT.

INCREASE ALL DA 112 FEET AND ALL MDA 120 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS, LNAV CAT C, AND CIRCLING CATS C AND D VISIBILITIES 1/4 MILE, AND INCREASE LNAV CAT D VISIBILITY 1/2 MILE.

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

CHART NOTE: VDP NA WITH AMARILLO INTL ALTIMETER SETTING.



CITY AND STATE

HEREFORD, TX

ELEVATION: 3788 TDZE: 3786

AIRPORT NAME:

HEREFORD MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHRX
RUNWAY	RW20
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	345212.3010N
LTP/FTP LONGITUDE	1021910.1830W
LTP/FTP ELLIPSOIDAL HEIGHT	+11286
FPAP LATITUDE	345054.1400N
FPAP LONGITUDE	1022002.4300W
THRESHOLD CROSSING HEIGHT (TCH)	00048.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0888
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

69FC3906

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+11540
FPAP ORTHOMETRIC HEIGHT	+11540

CITY AND STATE

HEREFORD, TX

ELEVATION: 3788 TDZE: 3786

AIRPORT NAME:

HEREFORD MUNI

FACILITY
IDENTIFIER:
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PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20, ORIG

11 FEB 2010

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHRXK4FR20	APORCU	010PORCUK4EA0E	A	IF					18000			A JS	
SUSAP KHRXK4FR20	APORCU	020WAHLOK4EA0EE	B	010TF		12680054		+ 06000				A JS	
SUSAP KHRXK4FR20	AWAHLO	010WAHLOK4EA0EE	AR	HF		19990050		+ 06000		18000		A JS	
SUSAP KHRXK4FR20	AYACUL	010YACULK4EA0E	A	IF						18000		A JS	
SUSAP KHRXK4FR20	AYACUL	020WAHLOK4EA0EE	B	010TF		29550063		+ 06000				A JS	
SUSAP KHRXK4FR20	R	010WAHLOK4EA0E	I	IF				+ 06000		18000		A JS	
SUSAP KHRXK4FR20	R	020RADNYK4EA1E	F	051TF		19990061		+ 05500			RW20	K4PGA JS	
SUSAP KHRXK4FR20	R	020RADNYK4EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KHRXK4FR20	R	021OLIVYK4EA0E	S	031TF		19990033		V 0442004442		-300		A JS	
SUSAP KHRXK4FR20	R	030RW20	K4PGOGY	M 031TF		19990019		03834		-300		A JS	
SUSAP KHRXK4FR20	R	040	0	M 010CA		1999		+ 03986				A JS	
SUSAP KHRXK4FR20	R	050LEMGEK4EA0EY		010DF				+ 06000				A JS	
SUSAP KHRXK4FR20	R	060LEMGEK4EA0EE		R020HM		01980050		+ 06000				A JS	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAP KHRXK4GRWZ0	0061001999		N34521230W		102191018+0000		+1128603786000048100R						

QUALITY
CHECKED

PAGE 4 OF 5 PAGES

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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KHRXX4PR20	RW20	001	0000W20A0N3452123010W10219101830+112860300N3450541400W10220024300106750888000480F40035069FC3906									
	SUSAP KHRXX4PR20	RW20	002E	+11540+11540LPV	61216								
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KHRXX4SRW20 K4PG			0	18018005625							M	



CITY AND STATE HEREFORD, TX	ELEVATION: 3788 TDZE: 3786 AIRPORT NAME: HEREFORD MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 14, 32 NA-ENVIRONMENTAL.
RWY 02, 20 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 02, TREE 68' FROM DER, 495' LEFT OF CENTERLINE, 50' AGL/3834' MSL. TREES BEGINNING 280' FROM DER, 535' RIGHT OF CENTERLINE, UP TO 50' AGL/3834' MSL. TREES BEGINNING 984' FROM DER, 504' LEFT OF CENTERLINE, UP TO 50' AGL/3834' MSL.

NOTE: RWY 20, TREES BEGINNING 61' FROM DER, 461' RIGHT OF CENTERLINE, UP TO 50' AGL/3839' MSL. TREES BEGINNING 497' FROM DER, 606' LEFT OF CENTERLINE, UP TO 50' AGL/3839' MSL. TREE 1603' FROM DER, 760' RIGHT OF CENTERLINE, 50' AGL/3829' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

HEREFORD, TX

(6) Airport

HEREFORD MUNI

(7) Effective Date

11 FEB 2010

(8) Amct. No.

ORIG

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS OR NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.27

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: <u> </u>	STANDARD <u> </u>	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A <u> </u>							
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 11 FEB 2010

QUALITY
&
CHECKED

CITY AND STATE BRIDGEWATER, VA	ELEVATION: 1165 TDZE: AIRPORT NAME: BRIDGEWATER AIR PARK	FACILITY IDENTIFIER: VBW	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB OR GPS-A, AMDT 4B, 03/04/1999	SUP AMDT 4A DATE 03/06/1986

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
LURAY	POBDE (FB)	282.98 / 18.04	6000	LNAV: JAPMI CLIMB TO 5000 DIRECT SONRY AND VIA TRACK 136.15 TO RFLAT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 331.85 INBOUND. FAS OBST: 1939 AAO 382331N/0785940W BEGBE TO RW15: 3.63/40 CHART STAUNTON/WAYNESBORO/HARRISONBURG AWOS-3 FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.											
POBDE (IAF)	TIKAE (FB)	271.77 / 5.00	5300												
TEAKK (IAF)	TIKAE (FB)	195.50 / 10.90	5300												
TIKAE (IF)	COSDU (FB)	181.70 / 3.00	5300												
COSDU	BEGBE (FB)	181.70 / 3.00	4700												
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT TIKAE 3. FAC: <u>166.71</u> FAF: <u>BEGBE</u> DIST FAF TO MAP: <u>8.60</u> THLD: <u>9.08</u> 4. MIN. ALT: <u>TIKAE 5300, COSDU 5300, BEGBE 4700, WELSU/4.60 NM TO JAPMI 3140</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u>150</u> HAT: <u>100</u> HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>JAPMI 5800</u>				MAG VAR: <u>9W</u> EPOCH YEAR: <u>2010</u>											
MINIMUMS															
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	☒										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	2180	3	1015	2180	3	1015		NA			NA				
CIRCLING	2180	3	1015	2180	3	1015		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: USE STAUNTON/WAYNESBORO/HARRISONBURG ALTIMETER SETTING; WHEN NOT RECEIVED, USE SEE 8260-10.															
CITY AND STATE		ELEVATION: 1165 TDZE: 1165		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
BRIDGEWATER, VA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 15, ORIG				AMDT: NDNE					
		BRIDGEWATER AIR PARK				11 FEB 2010				DATED					

QUALITY
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

CHARLOTTESVILLE ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TEAKK VIA V377 NORTHBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LURAY VIA V128 EASTBOUND.

QUALITY
CHECKED

CITY AND STATE

BRIDGEWATER, VA

ELEVATION: 1165 TDZE: 1165

AIRPORT NAME:

BRIDGEWATER AIR PARK

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 15, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KVBWK6FR15	ALURAY	010LURAYK6EA0E	IF						18000			B JS	
SUSAP KVBWK6FR15	ALURAY	020POBDEK6EA0E	A 020TF			28300180		+ 06000				B JS	
SUSAP KVBWK6FR15	ALURAY	030TIKAEK6EA0EE	B 010TF			27180050		+ 05300				B JS	
SUSAP KVBWK6FR15	ATEAKK	010TEAKKK6EA0E	A 1F						18000			B JS	
SUSAP KVBWK6FR15	ATEAKK	020TIKAEK6EA0EE	B 010TF			19550109		+ 05300				B JS	
SUSAP KVBWK6FR15	R	010TIKAEK6EA0E	I 1F					+ 05300		18000		B JS	
SUSAP KVBWK6FR15	R	011COSDUK6EA0E	S 051TF			18170030		+ 05300				B JS	
SUSAP KVBWK6FR15	R	020BEGBEK6EA1E	F 051TF			18170030		+ 04700			JAPMI K6EAB	JS	
SUSAP KVBWK6FR15	R	020BEGBEK6EA2WN		N	ALNAV							JS	
SUSAP KVBWK6FR15	R	021WELSUK6EA0E	S 031TF			16670040		V 0314003179		-363		B JS	
SUSAP KVBWK6FR15	R	030JAPMIK6EA0EY	M 031TF			16670046		01382		-363		B JS	
SUSAP KVBWK6FR15	R	040	0 M 010CA			1667		+ 01565				B JS	
SUSAP KVBWK6FR15	R	050SONRYK6EA0E	010DF									B JS	
SUSAP KVBWK6FR15	R	060RFLATK6EA0EY	010TF			1362		+ 05000				B JS	
SUSAP KVBWK6FR15	R	070RFLATK6EA0EE	R020HM			33190050		+ 05000				B JS	

QUALITY
6
CUTTER

CITY AND STATE BRIDGEWATER, VA	ELEVATION: 1165 TDZE: 1165 AIRPORT NAME: BRIDGEWATER AIR PARK	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KVBWK6CRW15	0027451518	N38221101W078574761	+0300	+0320201157000040060R									

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KVBWK6SJAPMIK6EA	0	18018005825										M	

QUALITY
6
CHECKED

CITY AND STATE
BRIDGEWATER, VA

ELEVATION: 1165 TDZE: 1165
AIRPORT NAME:
BRIDGEWATER AIR PARK

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 15, ORIG
11 FEB 2010

SUP:
AMDT: NONE
DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
TERMINAL ROUTES				MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW33				
TTUMS	RFLAT (FO)	160.86 / 24.90	6000	CLIMBING LEFT TURN TO 6000 DIRECT MOL VOR/DME AND HOLD.				
MOL VOR/DME	HESKU (FB)	044.18 / 18.29	6000					
HESKU (IAF)	RFLAT (NOPT) (FB)	061.75 / 5.00	5000					
MITER (IAF)	RFLAT (NOPT) (FB)	273.52 / 10.35	5000					
RFLAT (IF/IAF)	RIVKE (FB)	331.85 / 3.10	4100					
RIVKE	BEEDY (FB)	331.85 / 3.40	3100	ADDITIONAL FLIGHT DATA: HOLD W, LT, 095.00 INBOUND. FAS OBST: 1639 AAO 381744N/0785509W BEEDY TO RW33: 3.05/40 CHART STAUNTON/WAYNESBORO/HARRISONBURG AWOS-3.				
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE RFLAT, RT, 331.85 INBOUND, 5000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>331.80</u> FAF: <u>BEEDY</u> DIST FAF TO MAP: <u>5.86</u> THLD: <u>5.86</u> 4. MIN. ALT: <u>RFLAT 5000, RIVKE 4100, BEEDY 3100</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW33 5800</u>								
				MAG VAR: 9W		EPOCH YEAR: 2010		
MINIMUMS								
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A	☒		
CATEGORY =====>	A		B		C		D	E
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LNAV MDA	2180	3	1015	2180	3	1015	NA	NA
CIRCLING	2180	3	1015	2180	3	1015	NA	NA
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: USE STAUNTON/WAYNESBORO/HARRISONBURG ALTIMETER SETTING; WHEN NOT RECEIVED, USE SEE 8260-10								
CITY AND STATE		ELEVATION: 1165 TDZE: 1165		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:
BRIDGEWATER, VA		AIRPORT NAME: BRIDGEWATER AIR PARK				RNAV (GPS) RWY 33, ORIG 11 FEB 2010		AMDT: NONE
								DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

CHARLOTTESVILLE ALTIMETER SETTING AND INCREASE ALL MOA 120 FEET.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MITER VIA V38 SOUTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MOL VOR/DME VIA V143 SOUTHWEST BOUND AND VIA V473 WESTBOUND.

QUALITY
CHECKED

CITY AND STATE

BRIDGEWATER, VA

ELEVATION: 1165 TDZE: 1165

AIRPORT NAME:

BRIDGEWATER AIR PARK

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, ORIG

11 FEB 2010

SUP:

AMDT: NONE

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[illegible]

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CITY AND STATE BRIDGEWATER, VA	ELEVATION: 1165 TDZE: 1165 AIRPORT NAME: BRIDGEWATER AIR PARK	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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ALL
CHECKED

PAGE 4 OF 4 PAGES

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
TERMINAL ROUTES				MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE					
OLM VORTAC	HABOR OM/INT/OLM 5.08 DME/RADAR	351.43 / 5.08	3300	ILS: DA LOC: 6.62 MILES AFTER DADME/OLM 6.89 DME/RADAR OR AT OLM 0.28 DME FIX CLIMB TO 1400 THEN CONTINUE CLIMB TO 5500 VIA OLM VORTAC R-176 TO CETRA INT/OLM VORTAC 15.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5500. ADDITIONAL FLIGHT DATA: HOLD S, RT, 356.00 INBOUND. CHART FAS OBST: 351 TREE 465948N/1225343W CHART R-6703C. CHART 3300 PRIOR TO HABOR OM IN PROFILE.				
HOOME INT (IAF)	BOSTO/OLM 12.90 DME (NOPT)	172.31 / 7.66 (I-OLM)	2900					
BOSTO/OLM 12.90 DME (IF)	DADME/OLM 6.89 DME/RADAR	172.31 / 6.01 (I-OLM)	2400					
1. PT <u>L</u> SIDE OF COURSE <u>352.31</u> OUTBOUND <u>2900</u> FT WITHIN <u>10</u> MILES OF <u>HABOR OM</u> (IAF) 2. _____ 3. FAC: <u>172.31</u> FAF: <u>DADME/OLM 6.89 DME/RADAR</u> DIST FAF TO MAP: <u>6.62</u> THLD: <u>6.62</u> 4. MIN. ALT: <u>DADME/OLM 6.89 DME/RADAR 2400</u> 5. DIST TO THLD FROM OM: <u>4.76</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1030</u> 6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>DADME/OLM 6.89 DME/RADAR 2400</u> OM: <u>1787</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>53.4</u> 8. MSA FROM: <u>OLM VORTAC 020-200 5400, 200-020 4500</u>				MAG VAR: 19E EPOCH YEAR: 1995				
MINIMUMS								
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: STANDARD #	LOC: STANDARD @		
CATEGORY =====>	A		B		C		D	
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 17	414	1/2	207	414	1/2	207	414	1/2
S-LOC 17	640	1/2	433	640	1/2	433	640	1
CIRCLING	720	1	511	720	1	511	820	1 3/4
NOTES: CHART NOTE: DME OR RADAR REQUIRED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HOOME VIA V27 NORTHEAST BOUND. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SANDERSON FIELD ALTIMETER SETTING AND INCREASE ALL DA 53 FEET AND ALL MDA 60 FT, AND INCREASE CIRCLING CATS C AND D VISIBILITY 1/4 SEE 8260-10								
CITY AND STATE		ELEVATION: 209 TDZE: 207		FACILITY IDENTIFIER: I-OLM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:
OLYMPIA, WA		AIRPORT NAME: OLYMPIA RGNL				ILS OR LOC RWY 17, AMDT 11 11 FEB 2010		AMDT: 10B
								DATED 05/07/2009



ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

MILE.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING SANDERSON FIELD ALTIMETER SETTING, INCREASE S-ILS
17 ALL CATS VISIBILITY TO 1 MILE.

CITY AND STATE

OLYMPIA, WA

ELEVATION: 209 TDZE: 207

AIRPORT NAME:

OLYMPIA RGNL

FACILITY
IDENTIFIER:
I-OLM

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 17, AMDT 11

11 FEB 2010

SUP:

AMDT: 10B

DATED: 05/07/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS OR NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.27

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

TAKEOFF: _____	STANDARD _____	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A _____												
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 11 FEB 2010



CITY AND STATE RACINE, WI	ELEVATION: 674 TDZE: 672	FACILITY IDENTIFIER: RAC	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB OR GPS RWY 4, AMDT 3B, 10/21/1998	SUP
	AIRPORT NAME: JOHN H. BATTEN			AMDT 3A
	DATE 11/09/1995			

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW04 CLIMB TO 2600 DIRECT PUYAF AND RIGHT TURN VIA TRACK 129.01 TO MOXUE AND RIGHT TURN VIA TRACK 234.93 TO PASQO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 272.00 INBOUND. CHART FAS OBST: 840 TOWER 424506N/0874956W CHART FAS OBST: 1014 TOWER 424238N/0874949W DISTANCE TO THLD FROM 320 HAT: 0.86 NM. WAAS CHANNEL # 97516 REFERENCE PATH ID: W04A								
BRAVE	PASQO (FB)	253.34 / 26.10	2600									
PASQO (IAF)	JENFO (FB)	308.87 / 4.00	2600									
VEENA (IAF)	JENFO (FB)	115.92 / 15.74	2600									
JENFO (IF)	UCLID (FB)	038.82 / 6.01	2600									
1. PT NA SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT JENFO 3. FAC: <u>038.88</u> FAF: <u>UCLID</u> DIST FAF TO MAP: <u>5.83</u> THLD: <u>5.83</u> 4. MIN. ALT: <u>JENFO 2600, UCLID 2600</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>UCLID</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>45.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW04 2900</u>				MAG VAR: 2W EPOCH YEAR: 1995								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	988	1	320	988	1	320	988	1	320	988	1	320
LNAV/VNAV DA	1100	1 1/2	432	1100	1 1/2	432	1100	1 1/2	432	1100	1 1/2	432
LNAV MDA	1160	1	492	1160	1	492	1160	1 1/4	492	1160	1 1/2	492
CIRCLING	1160	1	486	1160	1	486	1160	1 1/2	486	1240	2	566
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING GENERAL MITCHELL INTL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10												
CITY AND STATE		ELEVATION: 674 TDZE: 668		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
RACINE, WI		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 4, ORIG			AMDT: NONE			
		JOHN H. BATTEN				11 FEB 2010			DATED			

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

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GENERAL MITCHELL INTL ALTIMETER SETTING AND INCREASE ALL DA 34 FEET AND ALL MDA 40 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE; LNAV CATS C AND D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BRAVE VIA V170 SOUTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VEENA VIA V216 WESTBOUND.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.

CITY AND STATE

RACINE, WI

ELEVATION: 674 TDZE: 668

AIRPORT NAME:

JOHN H. BATTEN

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRAC
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	424521.4485N
LTP/FTP LONGITUDE	0874907.4570W
LTP/FTP ELLIPSOIDAL HEIGHT	+01688
FPAP LATITUDE	424632.6900N
FPAP LONGITUDE	0874754.7700W
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	0968
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

57ABC2F1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02036
FPAP ORTHOMETRIC HEIGHT	+02036

CITY AND STATE RACINE, WI	ELEVATION: 674 TDZE: 668 AIRPORT NAME: JOHN H. BATTEN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRACK5FR04	ABRAVE	010BRAVEK5EA0E	IF						18000		A JS	
SUSAP	KRACK5FR04	ABRAVE	020PASQOK5EA0E	A 020TF		25330261		+ 02600				A JS	
SUSAP	KRACK5FR04	ABRAVE	030JENFOK5EA0EE	B 010TF		30890040		+ 02500				A JS	
SUSAP	KRACK5FR04	AVEENA	010VEENAK5EA0E	A IF						18000		A JS	
SUSAP	KRACK5FR04	AVEENA	020JENFOK5EA0EE	B 010TF		11590157		+ 02600				A JS	
SUSAP	KRACK5FR04	R	010JENFOK5EA0E	I IF				+ 02600		18000		A JS	
SUSAP	KRACK5FR04	R	020UCLIDK5EA1E	F 051TF		03880060		+ 02600			RW04	K5PGA	JS
SUSAP	KRACK5FR04	R	020UCLIDK5EA2WALPV		ALNAV/VNAV	ALNAV						JS	
SUSAP	KRACK5FR04	R	030RW04	K5PGOGY	M 031TF	03890058		00713		-300		A JS	
SUSAP	KRACK5FR04	R	040	0 M	010CA	0389		+ 00988				A JS	
SUSAP	KRACK5FR04	R	050PUYAFK5EA0E	010DF								A JS	
SUSAP	KRACK5FR04	R	060MOXUEK5EA0E	R010TFY		1290						A JS	
SUSAP	KRACK5FR04	R	070PASQOK5EA0EY	R010TFY		2349		+ 02600				A JS	
SUSAP	KRACK5FR04	R	080PASOOK5EA0EE	R020HM		27200040		+ 02600				A JS	

[illegible]

CITY AND STATE RACINE, WI	ELEVATION: 674 TDZE: 668 AIRPORT NAME: JOHN H. BATTEN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

CITY AND STATE RACINE, WI	ELEVATION: 674 TDZE: 668 AIRPORT NAME: JOHN H. BATTEN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW22 CLIMB TO 3000 DIRECT UCLID AND VIA TRACK 277.22 TO VEENA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 077.79 INBOUND. CHART FAS OBST: 727 TREE 424611N/0874834W CHART FAS OBST: 753 TREE 424612N/0874841W DISTANCE TO THLD FROM 283 HAT: 0.72 NM. WAAS CHANNEL # 53516 REFERENCE PATH ID: W22A											
BRAVE	SAXON (FB)	315.53 / 18.75	2300												
SAXON (IF/IAF)	PUYAF (FB)	219.03 / 6.04	2300												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE SAXON, RT, 219.03 INBOUND, 2300 FT. IN LIEU OF PT (IAF) 3. FAC: 218.98 FAF: PUYAF DIST FAF TO MAP: 4.89 THLD: 4.89 4. MIN. ALT: SAXON 2300, PUYAF 2300 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2300 GS ALT AT: PUYAF 2300 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR 8. MSA FROM: RW22 2900				MAG VAR: 2W EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	949	1	283	949	1	283	949	1	283	949	1	283			
LNAV/VNAV DA	997	1	331	997	1	331	997	1	331	997	1	331			
LNAV MDA	1020	1	354	1020	1	354	1020	1	354	1020	1 1/4	354			
CIRCLING	1140	1	466	1140	1	466	1140	1 1/2	466	1240	2	566			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING GENERAL MITCHELL INTL. ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE				ELEVATION: 674 TDZE: 666		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
RACINE, WI				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 22, ORIG				AMDT: NONE			
				JOHN H. BATTEN				11 FEB 2010				DATED			

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

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NOTES CONT.**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GENERAL MITCHELL INTL ALTIMETER SETTING AND INCREASE ALL DA 34 FEET, ALL MDA 40 FEET AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BRAVE VIA V170 SOUTHEAST BOUND.**

CITY AND STATE

RACINE, WI

ELEVATION: 674 TDZE: 666

AIRPORT NAME:

JOHN H. BATTEN

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRAC
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	424604.4855N
LTP/FTP LONGITUDE	0874823.5500W
LTP/FTP ELLIPSOIDAL HEIGHT	+01681
FPAP LATITUDE	424453.2400N
FPAP LONGITUDE	0874936.2100W
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	0864
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

0E345BE1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02029
FPAP ORTHOMETRIC HEIGHT	+02029

CITY AND STATE RACINE, WI	ELEVATION: 674 TDZE: 666 AIRPORT NAME: JOHN H. BATTEN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRACK5FR22	ABRAVE	010BRAVEK5EA0E	IF						18000		A JS	
SUSAP	KRACK5FR22	ABRAVE	020SAXONK5EA0EY	020TF			31550188	+ 02300				A JS	
SUSAP	KRACK5FR22	ABRAVE	030SAXONK5EA0EE	AR HF			21900040	+ 02300				A JS	
SUSAP	KRACK5FR22	R	010SAXONK5EA0E	I IF				+ 02300		18000		A JS	
SUSAP	KRACK5FR22	R	020PUYAFK5EA1E	F 051TF			21900060	+ 02300			RW22	K5PGA	JS
SUSAP	KRACK5FR22	R	020PUYAFK5EA2WAL	PV	ALNAV/VNAV	ALNAV						JS	
SUSAP	KRACK5FR22	R	030RW22	K5PG0GY	M 031TF		21900049		00721	-300		A JS	
SUSAP	KRACK5FR22	R	040	0 M	010CA		2190	+ 00949				A JS	
SUSAP	KRACK5FR22	R	050UCLIDK5EA0E	010DF								A JS	
SUSAP	KRACK5FR22	R	060VEENAK5EA0EY	010TF			2772	+ 03000				A JS	
SUSAP	KRACK5FR22	R	070VEENAK5EA0EE	RO20HM			07780040	+ 03000				A JS	

[illegible][illegible]

CITY AND STATE RACINE, WI	ELEVATION: 674 TDZE: 666 AIRPORT NAME: JOHN H. BATTEN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible]

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
OBK VOR/DME	IGFIR (FB)	029.55 / 23.58	2300	LNAV: RW32 CLIMB TO 3000 DIRECT CIRIP AND VIA TRACK 256.52 TO VEENA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 077.79 INBOUND. CHART FAS OBST: 807 OL ON MICROWAVE TWR 424332N/0874708W SAYMU TO RW32: 3.04/40.
IGFIR (IAF)	VOFGO (FB)	045.39 / 5.00	2300	
BRAVE (IAF)	VOFGO (FB)	253.73 / 13.01	2300	
VOFGO (IF)	SAYMU (FB)	315.44 / 6.05	2300	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. **PROFILE STARTS AT VOFGO**
3. FAC: 315.36 FAF: SAYMU DIST FAF TO MAP: 4.96 THLD: 4.96
4. MIN. ALT: VOFGO 2300, SAYMU 2300
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW32 2900

MAG VAR: 2W EPOCH YEAR: 1995

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @										
CATEGORY >>>>>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	1060	1	393	1060	1	393	1060	1	393	1060	1 1/4	393				
CIRCLING	1140	1	466	1140	1	466	1140	1 1/2	466	1240	2	566				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GENERAL MITCHELL INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND LNAV CAT C AND D VISIBILITY 1/4 MILE.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 674 TDZE: 667	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 11 FEB 2010	SUP:
RACINE, WI	AIRPORT NAME: JOHN H. BATTEN			AMDT: NONE
				DATED

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

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

NOTES CONT.**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OBK VOR/DME VIA AIRWAY RADIALS 347 CW 081.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BRAVE VIA V170 SOUTHEAST BOUND.**

CITY AND STATE

RACINE, WI**ELEVATION: 674 TDZE: 667**

AIRPORT NAME:

JOHN H. BATTENFACILITY
IDENTIFIER:**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, ORIG**11 FEB 2010**

SUP:

AMDT: **NONE**

DATED:

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

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

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KRACK5FR32	ABRAVE	010BRAVEK5EA0E	A	IF						18000		B JS	
SUSAP KRACK5FR32	ABRAVE	020VOFGOK5EA0EE	B	010TF			25370130		+ 02300			B JS	
SUSAP KRACK5FR32	AOBK	010OBK K5D 0V		IF						18000		B JS	
SUSAP KRACK5FR32	AOBK	020IGFIRK5EA0E	A	020TF			02960236		+ 02300			B JS	
SUSAP KRACK5FR32	AOBK	030VOFGOK5EA0EE	B	010TF			04540050		+ 02300			B JS	
SUSAP KRACK5FR32	R	010VOFGOK5EA0E	I	IF					+ 02300	18000		B JS	
SUSAP KRACK5FR32	R	020SAYMUK5EA1E	F	051TF			31540061		+ 02300		RW32	K5PGB JS	
SUSAP KRACK5FR32	R	020SAYMUK5EA2WN			N	ALNAV						JS	
SUSAP KRACK5FR32	R	030RW32 K5PG0GY	M	031TF			31540050		00698		-304	B JS	
SUSAP KRACK5FR32	R	040	0	M	010CA		3154		+ 01060			B JS	
SUSAP KRACK5FR32	R	050CIRIPK5EA0E		010DF								B JS	
SUSAP KRACK5FR32	R	060VEENAK5EA0EY		010TF			2565		+ 03000			B JS	
SUSAP KRACK5FR32	R	070VEENAK5EA0EE		R020HM			07780040		+ 03000			B JS	

CITY AND STATE
RACINE, WI

ELEVATION: 674 TDZE: 667
AIRPORT NAME:
JOHN H. BATTEN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 32, ORIG
11 FEB 2010

SUP:	
AMDT:	NONE
DATED:	

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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP	KRACK5GRW32	0044223153	N42452324W087483322+0300									

MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP	KRACK5SRW32	K5PG	0	18018002925								M

CITY AND STATE
RACINE, WI

ELEVATION: 674 TDZE: 667
AIRPORT NAME:
JOHN H. BATTEN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 32, ORIG
11 FEB 2010

SUP:
AMDT: NONE
DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 4, 14, 22, 32, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 32, BLAST FENCE 18' FROM DER, 103' LEFT OF CENTERLINE 10' AGL/ 682' MSL. VEHICLE ON ROAD 11' FROM DER, LEFT AND RIGHT OF CENTERLINE, 15' AGL/ 688' MSL. ANTENNAS BEGINNING 143' FROM DER, 209' LEFT OF CENTERLINE UP TO 63' AGL / 736' MSL. OL ON POLE 215' FROM DER, 116' RIGHT OF CENTERLINE 25' AGL/ 698' MSL. TREES BEGINNING 97' FROM DER, 66' LEFT OF CENTERLINE UP TO 72' AGL/ 748' MSL. TREES BEGINNING 357' FROM DER, 292' RIGHT OF CENTERLINE UP TO 59' AGL/ 732' MSL.

NOTE: RWY 14, VEHICLE ON ROAD BEGINNING 184' FROM DER, RIGHT AND LEFT OF CENTERLINE, UP TO 15' AGL/ 672' MSL. TREE 19' FROM DER, 314' LEFT OF CENTERLINE, 55' AGL/ 702' MSL. (CONT.)

(4) CONTROLLING OBSTACLES:

(5) City, State RACINE, WI	(6) Airport JOHN H. BATTEN	(7) Effective Date 11 FEB 2010	(8) Amct. No. 5

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

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

(3) TAKEOFF OBSTACLES NOTES: (CONTINUED) TREES BEGINNING 71' FROM DER, 2' RIGHT OF CENTERLINE, UP TO 100' AGL/753' MSL. OL ON LIGHT STAND 361' FROM DER, 525' RIGHT OF CENTERLINE, 60' AGL/ 717' MSL. ANTENNA 821' FROM DER, 375' LEFT OF CENTERLINE, 48' AGL/ 698' MSL.
NOTE: RWY 4, RAILROAD BEGINNING 18' FROM DER, RIGHT AND LEFT OF CENTERLINE, UP TO 23' AGL/ 676' MSL. TREES BEGINNING 195' FROM DER, 124' LEFT OF CENTERLINE, UP TO 52' AGL/ 712' MSL. VEHICLE ON ROAD BEGINNING 159' FROM DER, LEFT AND RIGHT OF CENTERLINE UP TO 15' AGL/ 675' MSL. TREES BEGINNING 64' FROM DER, 96' RIGHT OF CENTERLINE UP TO 65' AGL/ 711' MSL. POLES BEGINNING 220' FROM DER, 309' LEFT OF CENTERLINE, UP TO 45' AGL/ 695' MSL. POLE 688' FROM DER, 419' RIGHT OF CENTERLINE, 53' AGL/ 697' MSL.
NOTE: RWY 22, VEHICLE ON ROAD, 26' FROM DER, RIGHT AND LEFT OF CENTERLINE, 15' AGL/ 691' MSL. LIGHT STANDARD, 35' FROM DER, 426' LEFT OF CENTERLINE, 21' AGL/ 694' MSL. TREES BEGINNING 252' FROM DER, 168' LEFT OF CENTERLINE, UP TO 86' AGL/ 713' MSL. TREES BEGINNING 205' FROM DER, 37' RIGHT OF CENTERLINE, UP TO 87' AGL/ 763' MSL. ANTENNA 3842' FROM DER, 1213' RIGHT OF CENTERLINE, 104' AGL/ 797' MSL.

City/State RACINE, WI		Airport JOHN H. BATTEN			Effective Date 11 FEB 2010	Amdt. No. 5
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: HRK VOR/DME									
PETTY INT HRK VOR/DME		HRK VOR/DME		245.86 / 8.89				2500		CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 2500 DIRECT HRK VOR/DME AND HOLD.									
		SUZAN INT/6.00 DME		218.00 / 6.00				2500											
										ADDITIONAL FLIGHT DATA: HOLD SW, RT, 038.00 INBOUND. CHART FAS OBST: 840 TWR 424506N/0874956W SUZAN TO RW04: 3.01/45 FAC 410L OF RWY C/L EXTENDED 3000 FROM THLD.									
1. PT <u>L</u> SIDE OF COURSE <u>218.00</u> OUTBOUND <u>2500</u> FT WITHIN <u>10</u> MILES OF <u>SUZAN</u> (IAF) 2. _____ 3. FAC <u>038.00</u> FAF <u>SUZAN INT/6.00 DME</u> DIST FAF TO MAP <u>6.00</u> THLD <u>5.60</u> 4. MIN. ALT <u>SUZAN 2500</u> 8. MSA FROM: <u>HRK VOR/DME 270-090 2900, 090-270 2400</u>										MAG VAR: 2W EPOCH YEAR: 1995									
MINIMUMS																			
TAKEOFF: ☐		STANDARD ☒		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		1100	1	432	1100	1	432	1100	1 1/4	432	1100	1 1/2	432						
CIRCLING		1140	1	466	1140	1	466	1140	1 1/2	466	1240	2	566						
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GENERAL MITCHELL INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.																			
CITY AND STATE RACINE, WI		ELEVATION: 674 TDZE: 668 AIRPORT NAME: JOHN H. BATTEN			FACILITY IDENTIFIER: HRK		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 4, AMDT 1 11 FEB 2010					SUP VOR OR GPS RWY 4							
												AMDT ORIG-A							
												DATE 10/19/1998							

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____

EPOCH YEAR: _____

TAKEOFF: _____	STANDARD _____	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A _____													
CATEGORY >>>>>	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	

NOTES:

PROCEDURE CANCELED EFFECTIVE 11 FEB 2010

CITY AND STATE RACINE, WI	ELEVATION: 674 TDZE: 665 AIRPORT NAME: JOHN H. BATTEN	FACILITY IDENTIFIER: BAE	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RNAV OR GPS RWY 22, AMDT 3A, 10/21/1998	SUP AMDT 3 DATE 09/22/1994

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CODKI (IAF)	ILICA (NOPT) (FB)	210.54 / 5.00	3000	LNAV: RW12 CLIMB TO 3000 DIRECT SAJSI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 300.82 INBOUND. CHART FAS OBST: 1462 TOWER 443313N/0893528W WLCHS TO RW12: 3.05/40.
EMIBY (IAF)	ILICA (NOPT) (FB)	030.46 / 5.00	3000	
ILICA (IF/IAF)	WLCHS (FB)	120.50 / 6.04	2800	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW ILICA, RT, 120.50 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 120.59 FAF: WLCHS DIST FAF TO MAP: 5.12 THLD: 5.12
- MIN. ALT: ILICA 3000, WLCHS 2800, HIRDA/2.30 NM TO RW12 1880
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 1W EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1760	1	652	1760	1	652	1760	1 3/4	652	1760	2	652			
CIRCLING	1760	1	650	1760	1	650	1760	1 3/4	650	1800	2 1/4	690			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOSINEE ALTIMETER SETTING AND INCREASE
SEE 8260-10

@ CAT D 800-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE STEVENS POINT, WI	ELEVATION: 1110 TDZE: 1108 AIRPORT NAME: STEVENS POINT MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, ORIG 11 FEB 2010	SUP: AMDT: NONE DATED

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

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NOTES CONT.

ALL MDA 60 FEET, INCREASE LNAV CAT C AND D VISIBILITY 1/4 MILE AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	030/30 CW 211/30 (NOPT)	030/12 CW 211/12	3600
2.	030/12 CW 211/12	ILJCA (IF/IAF) (FB)	3000
3.	211/30 CW 301/30	211/8 CW 301/8	3500
4.	211/8 CW 301/8	CODKI (IAF) (FB)	3000
5.	301/30 CW 030/30	EMIBY (IAF) (FB)	3000

CITY AND STATE

STEVENS POINT, WI

ELEVATION: 1110 TDZE: 1108

AIRPORT NAME:

STEVENS POINT MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 12, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

QUALITY
1
OFFICE

CITY AND STATE STEVENS POINT, WI	ELEVATION: 1110 TDZE: 1108 AIRPORT NAME: STEVENS POINT MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
REKTE (IAF)	SAJSI (NOPT) (FB)	210.86 / 5.00	3000	LNAV: RW30
TIVDE (IAF)	SAJSI (NOPT) (FB)	030.78 / 5.00	3000	
SAJSI (IF/IAF)	WEDNE (FB)	300.82 / 6.04	2800	CLIMBING LEFT TURN TO 3000 DIRECT SAJSI AND HOLD.
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1229 TREE 443158N/0892857W WEDNE TO RW30: 3.04/40.

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE SAJSI, RT, 300.82 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 300.73 FAF: WEDNE DIST FAF TO MAP: 5.13 THLD: 5.13
- MIN. ALT: SAJSI 3000, WEDNE 2800, JIBSU/2.00 NM TO RW30 1780
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 1W EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1520	1	412	1520	1	412	1520	1 1/4	412	1520	1 1/4	412			
CIRCLING	1580	1	470	1580	1	470	1660	1 1/2	550	1800	2 1/4	690			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOSINEE ALTIMETER SETTING AND INCREASE
SEE 8260-10

@ CAT D 800-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE STEVENS POINT, WI	ELEVATION: 1110 TDZE: 1108 AIRPORT NAME: STEVENS POINT MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 11 FEB 2010	SUP: AMDT: NONE DATED

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

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

NOTES CONT.

ALL MDA 60 FEET, INCREASE LNAV CAT D VISIBILITY 1/4 MILE AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	211/30 CW 031/30 (NOPT)	SAJSI (IF/IAF) (FB)	3000
2.	031/30 CW 121/30	TIVDE (IAF) (FB)	3000
3.	121/30 CW 211/30	121/13 CW 211/13	3600
4.	121/13 CW 211/13	REKTE (IAF) (FB)	3000

CITY AND STATE

STEVENS POINT, WI

ELEVATION: 1110 TDZE: 1108

AIRPORT NAME:

STEVENS POINT MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

QUALITY
SERVED

CITY AND STATE STEVENS POINT, WI	ELEVATION: 1110 TDZE: 1108 AIRPORT NAME: STEVENS POINT MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 11 FEB 2010	SUP: AMDT: NONE DATED:

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: ONISE/0.32 DME
STE VORTAC	SIMMI/5.00 DME	112.00 / 5.00	2800	CLIMB TO 2800 THEN RIGHT TURN DIRECT STE VORTAC AND HOLD.
PIMWO/12.00 DME CCW (IAF)	KAZFO/12.00 DME (NOPT)	12.00 DME ARC	2800	
HONUD/12.00 DME CW (IAF)	KAZFO/12.00 DME (NOPT)	12.00 DME ARC	2800	
KAZFO/12.00 DME (IF)	SIMMI/5.00 DME	292.00 / 7.00 (STE R-112)	2600	
				ADDITIONAL FLIGHT DATA: HOLD W, LT, 112.00 INBOUND. CHART FAS OBST: 1229 TREE 443158N/0892857W CHART 1430 TOWER 443123N/0892545W. CHART STE R-129 AT PIMWO. CHART STE R-090 AT HONUD. SIMMI TO RW30: 2.93/40. FAC CROSSES RWY C/L EXTENDED 1392 FROM THLD.

1. PT R SIDE OF COURSE 112.00 OUTBOUND 2800 FT WITHIN 10 MILES OF SIMMI (IAF)
2. _____
3. FAC 292.00 FAF SIMMI/5.00 DME DIST FAF TO MAP _____ THLD 4.68
4. MIN. ALT SIMMI 2600, WNONA/2.52 DME 1800
8. MSA FROM: STE VORTAC 270-360 3600, 360-270 2900

MAG VAR: 1W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A			STANDARD @					
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-30	1480	1	372	1480	1	372	1480	1	372	1480	1 1/4	372			
CIRCLING	1580	1	470	1580	1	470	1660	1 1/2	550	1800	2 1/4	690			

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOSINEE ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND S-30 AND CIRCLING CATS C AND D VISIBILITIES 1/4 MILE.

@ CAT D 800-2 1/4

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
2
CHECKED

CITY AND STATE STEVENS POINT, WI	ELEVATION: 1110 TDZE: 1108 AIRPORT NAME: STEVENS POINT MUNI	FACILITY IDENTIFIER: STE	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 30, AMDT 18 11 FEB 2010	SUP VOR OR GPS RWY 30 AMDT 17A DATE 04/13/2006

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 6, STANDARD.

RWY 13, 300-1 1/2 OR STANDARD WITH A MINIMUM CLIMB OF 260 FT PER NM TO 1200.

RWY 24, 300-2 OR STANDARD WITH A MINIMUM CLIMB OF 250 FT PER NM TO 1400.

RWY 31, 300-1 1/4 OR STANDARD WITH A MINIMUM CLIMB OF 220 FT PER NM TO 1100.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 6, VEHICLE ON ROADS BEGINNING 15' FROM DER, 251' LEFT OF CENTERLINE, UP TO 17' AGL/959' MSL. TREES BEGINNING 85' FROM DER, 2' LEFT OF CENTERLINE, UP TO 100' AGL/1019' MSL. TREES BEGINNING 47' FROM DER, 91' RIGHT OF CENTERLINE, UP TO 100' AGL/886' MSL.

NOTE: RWY 13, TREES BEGINNING 452' FROM DER, 127' LEFT OF CENTERLINE, UP TO 100' AGL/1109' MSL. TREES BEGINNING 214' FROM DER, 179' RIGHT OF CENTERLINE, UP TO 100' AGL/1049' MSL.

NOTE: RWY 24, TREES BEGINNING 114' FROM DER, 74' LEFT OF CENTERLINE, UP TO 100' AGL/1029' MSL. TREES BEGINNING 89' FROM DER, 120' RIGHT OF CENTERLINE, UP TO 100' AGL/969' MSL. TOWER 1.9 NM FROM DER, 2572' RIGHT OF CENTERLINE, 196' AGL/1156' MSL.

(4) CONTROLLING OBSTACLES:

RWY 13: 1109 MSL TREE 432438.00N/0880538.00W.

RWY 24: 1156 MSL TOWER 432441.00N/0881021.00W.

RWY 31: 1039 MSL TREE 432602.46N/0880910.76W.

(5) City, State

WEST BEND, WI

(6) Airport

WEST BEND MUNI

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

ORIG

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

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

(3) TAKEOFF OBSTACLES NOTES:

NOTE: RWY 31, VEHICLE ON ROAD 99' FROM DER, 492' LEFT OF CENTERLINE, 15' AGL/904' MSL. TREES BEGINNING 550' FROM DER, 173' LEFT OF CENTERLINE, UP TO 100'
AGL/1039' MSL. VEHICLE ON ROAD 61' FROM DER, 498' RIGHT OF CENTERLINE, 15' AGL/906' MSL. TREES BEGINNING 832' FROM DER, 236' RIGHT OF CENTERLINE, UP TO 100'
AGL/1009' MSL.

QUALITY
4
CHECKED

City, State WEST BEND, WI		Airport WEST BEND MUNI			Effective Date 11 FEB 2010	Amct. No. ORIG
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date	

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.29 MILES AFTER HEVEN OM/INT CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3300 DIRECT MRB VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3300; OR WHEN DIRECTED BY ATC, CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 5000 DIRECT LDN VORTAC AND HOLD N, RT, 200.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD E, LT, 289.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N LDN VORTAC, RT, 200.00 INBOUND. CHART FAS OBST: 665 TOWER 392507N/0775421W CHART 793 TOWER 392606N/0775202W. CHART IN PLANVIEW: LDN VORTAC.											
MRB VORTAC	BURGY INT	053.08 / 7.24	4000												
MAPEL INT (IAF)	BURGY INT (NOPT)	258.65 / 6.85 (I-EXW)	3400												
BURGY INT (IF/IAF)	HEVEN OM/INT	258.65 / 6.31 (I-EXW)	2400												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E BURGY, LT, 258.65 INBOUND, 3400 FT. IN LIEU OF PT (IAF) 3. FAC: 258.65 FAF: HEVEN OM/INT DIST FAF TO MAP: 5.29 THLD: 5.29 4. MIN. ALT: BURGY 3400, HEVEN OM/INT 2400 5. DIST TO THLD FROM OM: 5.29 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1051 6. MIN GS INCPT: 2400 GS ALT AT: GS INTCP OM: 2310 MM: - IM: - 7. GS ANGLE: 3.00 TCH: 52.2 8. MSA FROM: MRB VORTAC 240-330 4000, 330-240 3500				MAG VAR: 8W EPOCH YEAR: 1980											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: STANDARD #	LOC: STANDARD @									
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 26	748	1/2	200	748	1/2	200	748	1/2	200	748	1/2	200	748	1/2	200
S-LOC 26	920	1/2	372	920	1/2	372	920	1/2	372	920	3/4	372	920	3/4	372
CIRCLING	1020	1	455	1080	1	515	1080	1 1/2	515	1120	2	555	2140	3	1575
NOTES: CHART NOTE: FOR INOPERATIVE MALS, INCREASE S-ILS 26 CAT E VISIBILITY TO 3/4 MILE AND S-LOC 26 CAT E VISIBILITY TO 1 1/4 MILE. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAGERSTOWN ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND ALL MDA 80 FEET, AND INCREASE S-LOC 26 CAT C/D/E VISIBILITY 1/4 MILE. SEE 8260-10															
CITY AND STATE				ELEVATION: 565 TDZE: 548		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
MARTINSBURG, WV				AIRPORT NAME:		I-EXW		ILS OR LOC RWY 26, AMDT 8				AMDT: 7			
				EASTERN WV RGNL/SHEPHERD FLD				11 FEB 2010				DATED 05/07/2009			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING HAGERSTOWN ALTIMETER SETTING, INCREASE S-ILS 26 VISIBILITY ALL CATS TO 1 MILE AND S-LOC 26 CAT E VISIBILITY TO 1 1/2 MILE.

QUALITY
1
CHECKED

CITY AND STATE

MARTINSBURG, WV

ELEVATION: 565

TDZE: 548

AIRPORT NAME:

EASTERN WV RGNL/SHEPHERD FLD

FACILITY
IDENTIFIER:
I-EXW

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 26, AMDT 8

11 FEB 2010

SUP:

AMDT: 7

DATED: 05/07/2009

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
BURGS	MEHIF (FO)	291.95 / 16.27	3400	LNAV: RW06
BEALL (IAF)	MEHIF (NOPT) (FB)	111.65 / 5.50	3000	CLIMB TO 3100 DIRECT EWBUF AND HOLD.
MEHIF (IF/IAF)	JUMSU (FB)	059.53 / 6.26	2800	
				ADDITIONAL FLIGHT DATA: HOLD NE, RT, 239.77 INBOUND. CHART FAS OBST: 1551 STACK 395047N/0804906W CHART 1866 STACK 394945N/0804902W. JUMSU TO RW06: 3.04/40

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SW MEHIF, RT, 059.53 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 059.60 FAF: JUMSU DIST FAF TO MAP: 4.79 THLD: 4.79
4. MIN. ALT: MEHIF 3000, JUMSU 2800
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: RW06 3400

MAG VAR: 8W

EPOCH YEAR: 2000

MINIMUMS

[illegible]

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WHEELING ALTIMETER SETTING AND INCREASE
SEE 8260-10

QUALITY
7
CHECKED

CITY AND STATE MOUNDSVILLE, WV	ELEVATION: 1214 TDZE: 1214 AIRPORT NAME: MARSHALL COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG-A 11 FEB 2010	SUP:	
				AMDT:	ORIG
				DATED	03/12/2009

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

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

NOTES CONT.

ALL MDA 60 FEET AND CAT C VISIBILITIES 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BURGESS VIA V119 EASTBOUND, V103-309 SOUTHBOUND.

CITY AND STATE

MOUNDSVILLE, WV

ELEVATION: 1214 TDZE: 1214

AIRPORT NAME:

MARSHALL COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, ORIG-A

11 FEB 2010

SUP:

AMDT: ORIG

DATED: 03/12/2009

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

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QUALITY CHECKED 7

PAGE 3 OF 3 PAGES

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES												MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW10 CLIMB TO 3100 DIRECT RAPGE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 280.33 INBOUND. CHART FAS OBST: 1453 TOWER 384845N/0812318W JOKMU TO RW10: 3.04/40.							
XADCO (IAF)		ECCEB (NOPT) (FB)		010.01 / 5.00				3500									
WABSU (IAF)		ECCEB (NOPT) (FB)		190.01 / 5.00				3500									
ECCEB (IF/IAF)		JOKMU (FB)		100.01 / 6.14				2700									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W ECCEB, RT, 100.01 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>100.09</u> FAF: <u>JOKMU</u> DIST FAF TO MAP: <u>5.36</u> THLD: <u>5.36</u> 4. MIN. ALT: ECCEB 3500, JOKMU 2700 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>																	
												MAG VAR: 8W				EPOCH YEAR: 2010	
MINIMUMS																	
TAKEOFF: <u> </u> STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ☐ X ☒																	
CATEGORY =====>		A			B			C			D			E			
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA		1740	1	812	1740	1 1/4	812	1740	2 1/2	812	1740	2 3/4	812				
CIRCLING		1740	1	812	1740	1 1/4	812	1820	2 3/4	892	1820	3	892				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE CHARLESTON ALTIMETER SETTING AND SEE 8260-10																	
CITY AND STATE SPENCER, WV				ELEVATION: 928 TDZE: 928 AIRPORT NAME: BOGGS FIELD				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, ORIG-A 11 FEB 2010				SUP: AMDT: ORIG DATED 12/17/2009	



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

INCREASE ALL MDA 80 FEET AND INCREASE LNAV CATS A, C AND D AND CIRCLING CATS A AND C VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	010/30 CW 190/30 (NOPT) 010/7 CW 190/7	010/7 CW 190/7 ECCEB (IF/IAF) (FB)	4600 3500
2.	190/30 CW 280/30	WABSU (IAF) (FB)	3700
3.	280/30 CW 010/30	XADCO (IAF) (FB)	4100

QUALITY
5
CHECKED

CITY AND STATE

SPENCER, WV

ELEVATION: 928

TDZE: 928

AIRPORT NAME:

BOGGS FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, ORIG-A

11 FEB 2010

SUP:

AMDT:

ORIG

DATED:

12/17/2009

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

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

QUALITY
6
CHECKED

PAGE 3 OF 3 PAGES

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
VOGUC (IAF)	RAPGE (NOPT) (FB)	190.33 / 5.00	3100	LNAV: RW28 CLIMB TO 3500 DIRECT ECCEB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 100.01 INBOUND. CHART FAS OBST: 1360 TREE 384920N/0811532W NAGDE TO RW28: 3.05/41.											
UBENY (IAF)	RAPGE (NOPT) (FB)	010.33 / 5.00	3100												
RAPGE (IF/IAF)	NAGDE (FB)	280.33 / 6.20	2800												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E RAPGE, RT, 280.33 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: <u>280.25</u> FAF: <u>NAGDE</u> DIST FAF TO MAP: <u>5.66</u> THLD: <u>5.66</u> 4. MIN. ALT: <u>RAPGE 3100, NAGDE 2800</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u> </u>				MAG VAR: 8W EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: <u> </u> STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A ☒											
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1620	1	692	1620	1	692	1620	2	692	1620	2 1/4	692			
CIRCLING	1620	1	692	1620	1	692	1820	2 3/4	892	1820	3	892			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE CHARLESTON ALTIMETER SETTING AND SEE 8260-10															
CITY AND STATE				ELEVATION: 928 TDZE: 928		FACILITY IDENTIFIER:		PROCEDURE NO./AMD NO./EFFECTIVE DATE:				SUP:			
SPENCER, WV				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 28, ORIG-A				AMD: ORIG			
				BOGGS FIELD				11 FEB 2010				DATED 12/17/2009			

QUALITY
5
CHECK

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

INCREASE ALL MDA 80 FEET, INCREASE LNAV CATS B, C, AND D VISIBILITY 1/4 MILE AND INCREASE CIRCLING CATS B AND C VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	190/30 CW 010/30 (NOPT)	190/6 CW 010/6	4900
	190/6 CW 010/6	RAPGE (IF/IAF) (FB)	3100
2.	010/30 CW 100/30	UBENY (IAF) (FB)	4500
3.	100/30 CW 190/30	VOGUC (IAF) (FB)	3700

QUALITY
5
CHECKED

CITY AND STATE
SPENCER, WV

ELEVATION: 928 TDZE: 928
AIRPORT NAME:
BOGGS FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 28, ORIG-A
11 FEB 2010

SUP:
AMDT: ORIG
DATED: 12/17/2009

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

[illegible]

NAR	ECCEB
NAR	NAGDE
NAR	RAPGE
NAR	UBENY
NAR	VOGUC

[illegible]

SUSAP KUSWK6AUSW	0	045YHN38492567W081205579W008000928	1800018000C	MNAR	BOGGS FIELD

[illegible]

SUSAP	KUSWK6FR28	ARAPGE	010RAPGEK6EAOEE	AR	HF	28030040	+	03100	18000		B JS
SUSAP	KUSWK6FR28	AUBENY	010UBENYK6EAOE	A	IF				18000		B JS
SUSAP	KUSWK6FR28	AUBENY	020RAPGEK6EAOEE	B	010TF	01030050	+	03100			B JS
SUSAP	KUSWK6FR28	AVOGUC	010VOGUCK6EAOE	A	IF				18000		B JS
SUSAP	KUSWK6FR28	AVOGUC	020RAPGEK6EAOEE	B	010TF	19030050	+	03100			B JS
SUSAP	KUSWK6FR28	R	010RAPGEK6EAOE	I	IF		+	03100	18000		B JS
SUSAP	KUSWK6FR28	R	020NAGDEK6EA1E	F	051TF	28030062	+	02800			B JS
SUSAP	KUSWK6FR28	R	020NAGDEK6EA2WN		N	ALNAV					JS
SUSAP	KUSWK6FR28	R	030RW28	K6PG0GY	M	031TF	28030057		00969	-305	B JS
SUSAP	KUSWK6FR28	R	040		O M	010CA	2803	+	01328		B JS
SUSAP	KUSWK6FR28	R	050ECCEBK6EAOEY		010DF			+	03500		B JS
SUSAP	KUSWK6FR28	R	060ECCEBK6EAOEE		R020HM	10000040	+	03500			B JS

[illegible]

SUSAP KUSWK6GRW28 0045492802 N38492482W081202707+0000 +02492009280000410758

QUALITY
6
CHECKED

SUP:	
AMDT:	ORIG
DATED:	12/17/2009

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 04, STANDARD WITH MINIMUM CLIMB OF 400 FEET PER NM TO 8000 FEET OR 4200-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 22, STANDARD WITH MINIMUM CLIMB OF 385 FEET PER NM TO 7400 FEET OR 4200-3 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 04 - CLIMB HEADING 038.30 TO 5900, THEN CLIMBING LEFT TURN VIA COD R-171 TO COD VOR/DME OR FOR CLIMB IN VISUAL CONDITIONS TO CROSS YELLOWSTONE REGIONAL AT OR ABOVE 9400, THEN VIA COD R-189 TO COD VOR/DME TO CROSS COD VOR/DME AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

RWY 22 - CLIMB HEADING 218.32 TO 6600, THEN CLIMBING LEFT TURN VIA COD R-180 TO COD VOR/DME OR FOR CLIMB IN VISUAL CONDITIONS TO CROSS YELLOWSTONE REGIONAL AT OR ABOVE 9400, THEN VIA COD R-189 TO COD VOR/DME TO CROSS COD VOR/DME AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 04, TREES BEGINNING 100' FROM DER, 262' RIGHT OF CENTERLINE, UP TO 79' AGL/5199' MSL, RISING TERRAIN BEGINNING 1723' FROM DER, 304' RIGHT OF CENTERLINE, UP TO 5146' MSL.

NOTE: RWY 22, POLES BEGINNING 1.0 NM FROM DER, 406' RIGHT OF CENTERLINE, UP TO 60' AGL/5332' MSL, RISING TERRAIN BEGINNING 1.0 NM FROM DER, 109' RIGHT OF CENTERLINE, UP TO 6235' MSL, RISING TERRAIN BEGINNING 5074' FROM DER, 131' LEFT OF CENTERLINE, UP TO 5428' MSL.

(4) CONTROLLING OBSTACLES:

RWY 04: 8323' MSL AAO 443950.10N-1090719.80W.

RWY 22: 5428' MSL TERRAIN 442953.84N-1090308.89W, 8323' MSL AAO 443950.10N-1090719.90W.

VCOA: 5999' MSL AAO 442844.76N-1085643.07W, 12448' MSL AAO 443603.00N-1083133.00W.



(5) City, State CODY, WY	(6) Airport YELLOWSTONE REGIONAL	(7) Effective Date 11 FEB 2010	(8) Amdt. No. 4

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30706 ; Amdt. No. 3357]

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

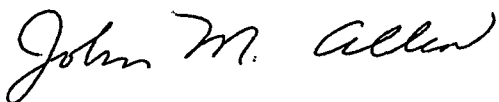
The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. It, therefore- (1) is not a "significant regulatory action" under Executive Order 12866; (2) is not a "significant 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

JAN 08 2010



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
11-Feb-10	WA	WALLA WALLA	WALLA WALLA REGIONAL	9/1673	1/4/10	VOR RWY 16, AMDT 12
11-Feb-10	WA	WALLA WALLA	WALLA WALLA REGIONAL	9/1674	1/4/10	RNAV (GPS) RWY 16, ORIG
11-Feb-10	WA	WALLA WALLA	WALLA WALLA REGIONAL	9/1675	1/4/10	VOR/DME RWY 2, ORIG-A
11-Feb-10	UT	SALT LAKE CITY	SALT LAKE CITY INTL	9/1676	12/30/09	VOR/DME OR TACAN RWY 17, AMDT 2
11-Feb-10	MO	SULLIVAN	SULLIVAN REGIONAL	9/5855	12/23/09	NDB RWY 24, ORIG
11-Feb-10	AK	KING SALMON	KING SALMON	9/6043	12/23/09	LOC/DME BC RWY 30, AMDT 4
11-Feb-10	CA	CARLSBAD	MC CLELLAN-PALOMAR	9/6044	12/23/09	ILS OR LOC RWY 24, AMDT 8D
11-Feb-10	MN	INTERNATIONAL FALLS	FALLS INTL	9/6112	12/28/09	ILS OR LOC/DME RWY 13, AMDT 1
11-Feb-10	MN	INTERNATIONAL FALLS	FALLS INTL	9/6113	12/28/09	ILS OR LOC RWY 31, AMDT 10
11-Mar-10	PA	ALLENTOWN	LEHIGH VALLEY INTL	9/6612	12/30/09	RNAV (GPS) RWY 31, AMDT 1

AIRAC Date: 11 Feb 2010

FDC 9/1673 ALW FI/P WALLA WALLA REGIONAL, WALLA WALLA, WA. VOR RWY 16, AMDT 12...CIRCLING HAA 566 CATS A/B, 626 CAT C, 786 CAT D. CHART APT ELEV 1194. THIS IS VOR RWY 16, AMDT 12A.

FDC 9/1674 ALW FI/P WALLA WALLA REGIONAL, WALLA WALLA, WA. RNAV (GPS) RWY 16, ORIG...CIRCLING HAA 566 CATS A/B, 626 CAT C, 786 CAT D. CHART APT ELEV 1194. THIS IS RNAV (GPS) RWY 16, ORIG-A.

FDC 9/1675 ALW FI/P WALLA WALLA REGIONAL, WALLA WALLA, WA. VOR/DME RWY 2, ORIG-A...CIRCLING HAA 566 CATS A/B, 626 CAT C, 786 CAT D. CHART APT ELEV 1194. THIS IS VOR/DME RWY 2, ORIG-B

FDC 9/1676 SLC FI/P SALT LAKE CITY INTL, SALT LAKE CITY, UT. VOR/DME OR TACAN RWY 17, AMDT 2...CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS VOR/DME OR TACAN RWY 17, AMDT 2A.

FDC 9/5855 UUV FI/P SULLIVAN REGIONAL, SULLIVAN, MO. NDB RWY 24, ORIG...MSA FROM SULLIVAN (UUV) NDB 360-360 3100. THIS IS NDB RWY 24, ORIG-A.

FDC 9/6043 AKN FI/P KING SALMON, KING SALMON, AK. LOC/DME BC RWY 30, AMDT 4...CORRECT PLANVIEW NOTE TO READ: (ASTERISK) TERMINAL ROUTE OLLER (IAF) TO PUCID VIA 15 DME ARC NA FOR TACAN ONLY EQUIPPED AIRCRAFT. THIS IS LOC/DME BC RWY 30, AMDT 4A.

FDC 9/6044 CRQ FI/P MC CLELLAN-PALOMAR, CARLSBAD, CA. ILS OR LOC RWY 24, AMDT 8D...CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 960. THIS IS ILS OR LOC RWY 24, AMDT 8E

FDC 9/6112 INL FI/P FALLS INTL, INTERNATIONAL FALLS, MN. ILS OR LOC/DME RWY 13, AMDT 1...CHART NOTE: CAUTION OPPOSING ILS CONTINUOUSLY ON. THIS IS ILS OR LOC/DME RWY 13, AMDT 1A.

FDC 9/6113 INL FI/P FALLS INTL, INTERNATIONAL FALLS, MN. ILS OR LOC RWY 31, AMDT 10...CHART NOTE: CAUTION OPPOSING ILS CONTINUOUSLY ON. THIS IS ILS OR LOC RWY 31, AMDT 10A.

AIRAC Date: 11 Mar 2010

FDC 9/6612 ABE FI/P LEHIGH VALLEY INTL, ALLENTOWN, PA. RNAV (GPS) RWY 31, AMDT 1...LNAV MDA 1280/HAT 896 ALL CATS. VIS CATS A/B 1 1/4, CAT C 2 3/4, CAT D 3. CIRCLING MDA 1280/HAA 887 ALL CATS. VIS CAT C 2 3/4, CAT D 3. ALTERNATE MINIMUMS: CATS A/B 900-2, CAT C 900-2 3/4, CAT D 900-3. CHART VDP 2.69 NM TO RWY 31. DELETE NOTE: BARO-VNAV NA BELOW -15C (5F). DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV, LNAV/VNAV, AND LNAV CAT C/D. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART APT ELEV 393. THIS IS RNAV (GPS) RWY 31,, AMDT 1A..