

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 09-07

FEBRUARY 20, 2009

**PREPARED BY THE NATIONAL FLIGHT DATA CENTER, ATO-R
(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 published in Transmittal Letter
09-06:**

Iowa Falls, IA, Iowa Falls Muni, RNAV RWY 31, Orig
Newark, NJ, Newark Liberty Intl, RNAV (RNP) Y RWY 29, 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: RW31 CLIMB TO 4000 DIRECT URUYO AND VIA 312.59 TRACK TO ALOCK AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 132.59 INBOUND. CHART FAS OBST: 1269 TREE 422723N/0931602W ZIROL TO RW31: 3.04/40. CHART VDP AT 1.13 MILES TO RW31							
ALO VORTAC				UKEYI (FB)				247.38 / 28.78				4000											
TNU VOR/DME				ZABEB (FB)				351.89 / 29.66				4000											
UKEYI (IAF)				VEYUD (NOPT) (FB)				222.38 / 5.00				3700											
ZABEB (IAF)				VEYUD (NOPT) (FB)				042.28 / 5.00				3700											
VEYUD (IF/IAF)				ZIROL (FB)				312.33 / 6.10				2800				THIS IS A CORRECTED COPY OF THE PROCEDURE PUBLISHED IN TL 09-06.							
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE VEYUD, RT, 312.33 INBOUND, 3700 FT. IN LIEU OF PT (IAF) 3. FAC: <u>312.26</u> FAF: <u>ZIROL</u> DIST FAF TO MAP: <u>5.03</u> THLD: <u>5.03</u> 4. MIN. ALT: <u>VEYUD 3700, ZIROL 2800, WISBU/1.70 NM TO RW31 1720</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1</u> IS CLEAR 8. MSA FROM: <u>RW31 2800</u>												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	383	1520	1	383		NA			NA												
CIRCLING	1600	1	463	1600	1	463		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 WEBSTER CITY ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET. SEE 8260-10																							
CITY AND STATE IOWA FALLS, IA				ELEVATION: 1137 TDZE: 1137 AIRPORT NAME: IOWA FALLS MUNI				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 12 MAR 2009				SUP:							
																AMDT: NONE							
																DATED							

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

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

NOTES CONT.**CHART NOTE: VDP NA WHEN USING WEBSTER CITY ALTIMETER SETTING.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALO VORTAC AIRWAY RADIALS 267 CW 302.**

QUALITY
1
CHECKED

CITY AND STATE IOWA FALLS, IA	ELEVATION: 1137 TDZE: 1137 AIRPORT NAME: IOWA FALLS MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 12 MAR 2009	SUP:
				AMDT: NONE
				DATED:

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

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	ALO	K3011220VTHA	N42332340W	092235620		N42332340W	092235620E	006000865		NARWATERLOO			I
SUSAD	TNU	K3011250VDL	N41470176W	093063232		N41470176W	093063232E	003000980		NARNEWTON			I

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KIFAK3FR31	AALO	010ALO	K3D 0V	IF						18000		B JS	I
SUSAP KIFAK3FR31	AALO	020UKEYIK3EA0E	A 020TF			24740288		+ 04000				B JS	I
SUSAP KIFAK3FR31	AALO	030VEYUDK3EA0EE	010TF			22240050		+ 03700				B JS	I
SUSAP KIFAK3FR31	ATNU	010TNU	K3D 0V	IF						18000		B JS	I
SUSAP KIFAK3FR31	ATNU	020ZABEBK3EA0E	A 020TF			35190297		+ 04000				B JS	I
SUSAP KIFAK3FR31	ATNU	030VEYUDK3EA0EE	010TF			04230050		+ 03700				B JS	I
SUSAP KIFAK3FR31	AVEYUD	010VEYUDK3EA0EE	CR HF			31230040		+ 03700		18000		B JS	I
SUSAP KIFAK3FR31	R	010VEYUDK3EA0E	I IF					+ 03700		18000		B JS	I
SUSAP KIFAK3FR31	R	020ZIROLK3EA1E	F 051TF			31230061		+ 02800			RW31	K3PGB JS	I
SUSAP KIFAK3FR31	R	020ZIROLK3EA2WN		N		ALNAV						JS	I
SUSAP KIFAK3FR31	R	021WISBUK3EA0E	S 031TF			31530033		V 0172001729		-304		B JS	I
SUSAP KIFAK3FR31	R	030RW31	K3PGOGY M 031TF			31530017		01177		-304		B JS	I
SUSAP KIFAK3FR31	R	040URUYOK3EA0E	M 010DF									B JS	I
SUSAP KIFAK3FR31	R	050ALOCKK3EA0EY	010TF			3126		+ 04000				B JS	I

QUALITY
7
CHECKED

CITY AND STATE IOWA FALLS, IA	ELEVATION: 1137 TDZE: 1137 AIRPORT NAME: IOWA FALLS MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 12 MAR 2009	SUP:
				AMDT: NONE
				DATED:

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

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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
	ALO	ALO	010		IF		FB				
	ALO	UKEYI	020	IAF	TF		FB	2.0	247.4 (250T)	028.8	04000
	ALO	VEYUD	030		TF		FB	1.0	222.4 (225T)	005.0	03700
	TNU	TNU	010		IF		FB				
	TNU	ZABEB	020	IAF	TF		FB	2.0	351.9 (355T)	029.7	04000
	TNU	VEYUD	030		TF		FB	1.0	042.3 (045T)	005.0	03700
	VEYUD	VEYUD	010		HF	R	FB		312.3 (315T)	004.0	03700
		VEYUD	010	FACF	IF		FB				03700
		ZIROL	020	FAF	TF		FB	0.5	312.3 (315T)	006.1	02800
		WISBU	021	SDF	TF		FB	0.3	315.3 (318T)	003.3	0172001729
		RW31	030	MAP	TF		FO	0.3	315.3 (318T)	001.7	01177

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	URUYO	040		DF		FB	1.0			
	ALOCK	050		TF		FO	1.0	312.6 (316T)		04000
	ALOCK	060		HM	R	FO	2.0	132.6 (136T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ALO	N423323.40	W0922356.20	N4233.390	W09223.937
	TNU	N414701.76	W0930632.32	N4147.029	W09306.539
	ALOCK	N423524.31	W0932543.43	N4235.405	W09325.724
	UKEYI	N422337.05	W0930030.70	N4223.618	W09300.512
	URUYO	N423008.65	W0931844.64	N4230.144	W09318.744
	VEYUD	N422006.17	W0930518.63	N4220.103	W09305.311
	WISBU	N422648.34	W0931415.91	N4226.806	W09314.265
	ZABEB	N421635.09	W0931006.02	N4216.585	W09310.100
	ZIROL	N422426.56	W0931106.17	N4224.443	W09311.103
	RW31	N422800.76	W0931552.98	N4228.013	W09315.883

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW31	01137		40

QUALITY
7
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CITY AND STATE
IOWA FALLS, IA

ELEVATION: 1137 TDZE: 1137
 AIRPORT NAME:
 IOWA FALLS MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 31, ORIG
 12 MAR 2009

SUP:
 AMDT: NONE
 DATED:

U.S. Department of Transportation Federal Aviation Administration		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA CLIMB TO 3000 VIA 288.00 TRACK TO JETVY, AND VIA LEFT TURN TO FIRSI, AND VIA 227.65 TRACK TO DIRMY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.56 INBOUND CHART FAS OBST: 174 CRANE 404142N/0740838W CHART: 32 ROAD 404204N/0740919W CHART: 36 POLE 404206N/0740918W CHART: 42 SIGN 404202N/0740916W CHART: 39 TREE 404204N/0740916W CHART: 64 LGT POLE 404206N/0740908W DISTANCE TO THLD FROM 403 HAT: 1.08 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S #TCH 69.5 MSL (DO NOT CHART)	
HEVNU (IF) (40E) (43I)	GIMEE (TF) (FB) (RNP 1.00) (40E) (42S)	218.91/5.82	3500		
GIMEE (40E) (42S)	JIMLO (RF) (FB) (RNP 1.00) (40E) (43F)	(2.90 NM RADIUS CCW UGAQOY)2.13	3000		
JIMLO (FAF) (40E) (43F)	CESNI (RF) (FB) (40E)	(2.90 NM RADIUS CCW UGAQOY)1.62			
CESNI (40E)	BENCE (RF) (FB) (40E)	(2.00 NM RADIUS CW XODYU)1.39		MAG VAR: 13W EPOCH YEAR: 1985	
BENCE (40E)	HALPA (RF) (FB) (40E)	(2.00 NM RADIUS CW XODYU)3.61			
HALPA (40E)	RW29 (TF) (FO) (40G) (41Y) (43M)	288.03/2.35			
RW29 (MAP) (40G) (41Y) (43M)	JETVY (TF) (FB) (RNP 1.00) (40E) (42M)	288.00/5.57			
CONTINUED ON PAGE 2					
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT HEVNU 3. FAC: <u>*</u> FAF: <u>*SEE TERMINAL ROUTES FROM JIMLO</u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN. ALT: <u>HEVNU 3500, GIMEE 3500</u> 5. DIST TO THLD FROM OM: <u>8.98</u> MM: <u> </u> IM: <u>150</u> HAT: <u>100</u> HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>JIMLO 3000, CESNI 2459 (CONT'D PG 2)</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>60.0#</u> <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW29 2800</u>					
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A
CATEGORY ==>	A		B		C
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED					
RNP 0.16	413	1 1/4	403	413	1 1/4
RNP 0.30*	485	1 1/2	475	485	1 1/2
RNP 0.30	565	2	555	565	2
NOTES: CHART NOTE: RF AND GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (7F) OR ABOVE 49C (120F). CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART NOTE: *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 340 FEET PER NM TO 800. CHART PLANVIEW NOTE: RADAR REQUIRED CHART PLANVIEW NOTE AT GIMEE: MAX 195 KIAS					
CITY AND STATE	ELEVATION: 18 TDZE: 10		FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	
NEWARK, NJ	AIRPORT NAME: NEWARK LIBERTY INTL		RNAV	12 MAR 2009 RNAV (RNP) Y RWY 29, ORIG	
			SUP:		AMDT: NONE
			DATE		

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

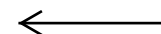
STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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TERMINAL ROUTES (CONT'D)

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
JETVY (40E) (42M)	FIRSI (RF) (FB) (RNP 1.00) (40E)	(4.40 NM RADIUS CCW ZUXVEY) 4.64	
FIRSI (40E)	DIRMY (TF) (FO) (RNP 1.00) (40E) (41E) (43H)	227.65/8.34	3000

LINE 6 (CONT'D)

GS ALT AT: BENCE 2000, HALPA 823

QUALITY
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CITY AND STATE

NEWARK, NJ

ELEVATION:

18 TDZE:

10

AIRPORT NAME:

NEWARK LIBERTY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

12 MAR 2009

RNAV (RNP) Y RWY 29, ORIG

SUP:

AMDT: NONE

DATED:

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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		HEVNU	010	FACF	IF		FB				03500
		GIMEE	011	SDF	TF		FB	1.0	218.9 (206T)	005.8	03500
		JIMLO	020	FAF	RF	L	FB	1.0		002.1	03000
		CESNI	021		RF	L	FB	0.3		001.6	
		BENCE	022		RF	R	FB	0.3		001.4	
		HALPA	023		RF	R	FB	0.3		003.6	
		RW29	030	MAP	TF		FO	0.3	288.0 (275T)	002.4	00070 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JETVY	040		TF		FB	1.0	288.0 (275T)	005.6	
	FIRSI	060		RF	L	FB	1.0		004.6	
	DIRMY	060		TF		FO	1.0	227.7 (215T)	008.3	03000
	DIRMY	070		HM	R	FO	2.0	060.6 (048T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BENCE	404409.42N	0740331.71W	4044.157N	07403.529W
	CESNI	404521.40N	0740422.78W	4045.357N	07404.380W
	DIRMY	403348.22N	0742813.33W	4033.804N	07428.222W
	FIRSI	404040.32N	0742200.03W	4040.672N	07422.001W
	GIMEE	404847.27N	0740516.46W	4048.788N	07405.274W
	HALPA	404152.17N	0740621.70W	4041.870N	07406.362W
	HEVNU	405401.85N	0740155.35W	4054.031N	07401.923W
	JETVY	404233.40N	0741644.25W	4042.557N	07416.738W
	JIMLO	404842.72N	0740630.28W	4048.712N	07405.505W
	UGAQO	404731.29N	0740150.39W	4047.522N	07401.840W
	XODYU	404351.78N	0740607.85W	4043.863N	07406.131W
	ZUXVE	403810.24N	0741714.57W	4038.171N	07417.243W
	RW29	404204.51N	0740926.46W	4042.075N	07409.441W

RUNWAY DATA	RWY	THLD ELEV	TCH
	29	0010	60

CITY AND STATE

NEWARK, NJ

ELEVATION:

18 TDZE:

AIRPORT NAME:

NEWARK LIBERTY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

12 MAR 2009

RNAV (RNP) Y RWY 29, ORIG

SUP:

AMDT:

NONE

DATED:

 QUALITY
CHECKED

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No.30654 Amdt. No 3310]

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.

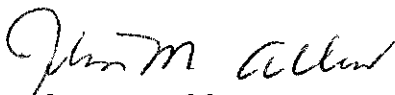
CONCLUSION

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 February 20, 2009



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 12 MAR 2009

Wrangell, AK, Wrangell, GPS-A, Orig, CANCELLED
Parkersburg, WV, Mid-Ohio Valley Regional, RNAV (GPS) RWY 3, Amdt 1
Parkersburg, WV, Mid-Ohio Valley Regional, RNAV (GPS) RWY 21, Amdt 1
Parkersburg, WV, Mid-Ohio Valley Regional, RNAV (GPS) Y RWY 3, Orig, CANCELLED
Parkersburg, WV, Mid-Ohio Valley Regional, RNAV (GPS) Y RWY 21, Orig, CANCELLED
Parkersburg, WV, Mid-Ohio Valley Regional, Takeoff Minimums and Obstacle DP, Amdt 2
Parkersburg, WV, Mid-Ohio Valley Regional, VOR RWY 21, Amdt 17

Effective 09 APR 2009

Courtland, AL, Lawrence County, GPS RWY 13 , Orig, CANCELLED
Courtland, AL, Lawrence County, RNAV (GPS) RWY 13 , Orig
Courtland, AL, Lawrence County, RNAV (GPS) RWY 31 , Orig
Courtland, AL, Lawrence County, Takeoff and Minimums and Obstacle DP, Orig
Tuskegee, AL, Moton Field Muni, Takeoff and Minimums and Obstacle DP, Orig
Cedartown, GA, Polk County Airport-Cornelius Moore Field, Takeoff Minimums and Obstacle DP, Orig
West Milford, NJ, Greenwood Lake, VOR RWY 6, Orig, CANCELLED
South Bethlehem, NY, South Albany, Takeoff Minimums and Obstacle DP, Orig
Columbus, OH, Darby Dan, NDB-A, Orig, CANCELLED
Lancaster, PA, Lancaster, RNAV (GPS) RWY 8, Amdt 1A
Lafayette, TN, Lafayette Muni, NDB RWY 19, Amdt 3
Lafayette, TN, Lafayette Muni, RNAV (GPS) RWY 19, Orig
Lafayette, TN, Lafayette Muni, Takeoff Minimums and Obstacle DP, Orig
Lawrenceburg, TN, Lawrenceburg-Lawrence County, Takeoff Minimums and Obstacle DP, Orig
Warrenton, VA, Warrenton-Fauquier, Takeoff Minimums and Obstacle DP, Orig

Effective 07 MAY 2009

Lompoc, CA, Lompoc, RNAV (GPS) RWY 25, Amdt 1
Leesburg, FL, Leesburg Intl, Takeoff Minimums and Obstacle DP, Amdt 3
Plant City, FL, Plant City, Takeoff Minimums and Obstacle DP, Orig
Tampa, FL, Tampa Intl, ILS or LOC RWY 18R, Amdt 4A
Carrollton, GA, West Georgia Regional-O V Gray Field, Takeoff Minimums and Obstacle DP, Orig
Bunkie, LA, Bunkie Muni, RNAV (GPS) RWY 18, Orig
Bunkie, LA, Bunkie Muni, RNAV (GPS) RWY 36, Orig

Bunkie, LA, Bunkie Muni, Takeoff Minimums and Obstacle DP, Orig
Bunkie, LA, Bunkie Muni, VOR/DME-A, Amdt 6
Fryeburg, ME, Eastern Slopes Regional, GPS RWY 32, Orig, CANCELLED
Fryeburg, ME, Eastern Slopes Regional, RNAV (GPS) RWY 32, Orig
Saginaw, MI, Saginaw County H.W. Browne, NDB RWY 27, Orig-A, CANCELLED
Brainerd, MN, Brainerd Lakes Rgnl, RNAV (GPS) RWY 34, Orig
Grand Marais, MN, Grand Marais/Cook County, GPS RWY 27, Orig, CANCELLED
Grand Marais, MN, Grand Marais/Cook County, RNAV (GPS) RWY 27, Orig
Grand Rapids, MN, Grand Rapids/Itasca Co-Gordon Newstrom Fld, Takeoff Minimums and Obstacle DP, Amdt 4
Helena, MT, Helena Regional, RNAV (GPS) X RWY 27, Amdt 1A
Helena, MT, Helena Regional, RNAV (GPS) Y RWY 9, Amdt 1A
Jacksonville, NC, Albert J Ellis, ILS OR LOC RWY 5, Amdt 8A
Taos, NM, Taos Rgnl, NDB RWY 4, Amdt 1A, CANCELLED
Battle Mountain, NV, Battle Mountain, Takeoff Minimums and Obstacle DP, Amdt 3
Battle Mountain, NV, Battle Mountain, VOR/DME RWY 3, Amdt 6
Seneca Falls, NY, Finger Lakes Rgnl, Takeoff Minimums and Obstacle DP, Orig
Ada, OK, Ada Muni, GPS RWY 17, Orig-B, CANCELLED
Ada, OK, Ada Muni, GPS RWY 35, Orig-C, CANCELLED
Ada, OK, Ada Muni, RNAV (GPS) RWY 17, Orig
Ada, OK, Ada Muni, RNAV (GPS) RWY 35, Orig
Ada, OK, Ada Muni, Takeoff Minimums and Obstacle DP, Amdt 3
Corry, PA, Corry-Lawrence, Takeoff Minimums and Obstacle DP, Orig
Mc Allen, TX, Mc Allen Miller Intl, RNAV (GPS) RWY 31, Amdt 1A
Wallops Island, VA, Wallops Flight Facility, Takeoff Minimums and Obstacle DP, Orig
Seattle, WA, Boeing Field/King County Intl, RNAV (GPS) Y RWY 13R, Orig-C
Seattle, WA, Boeing Field/King County Intl, RNAV (RNP) Z RWY 13R, Orig-B
Monroe, WI, Monroe Muni, Takeoff Minimums and Obstacle DP, Amdt 2

FLIGHT STANDARDS SERVICE - FAR PART 97.33

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TERMINAL ROUTES										MISSED APPROACH																																																																																																																																						
FROM			TO			COURSE AND DISTANCE			ALTITUDE																																																																																																																																							
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: _____										ADDITIONAL FLIGHT DATA: 																																																																																																																																						
										MAG VAR: _____ EPOCH YEAR: _____																																																																																																																																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>TAKEOFF:</td> <td></td> <td>STANDARD</td> <td></td> <td colspan="6">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="2">ALTERNATE: N A</td> <td colspan="4"></td> </tr> <tr> <td colspan="2">CATEGORY =====></td> <td colspan="3">A</td> <td colspan="3">B</td> <td colspan="3">C</td> <td colspan="3">D</td> <td colspan="3">E</td> </tr> <tr> <td></td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>																TAKEOFF:		STANDARD		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A						CATEGORY =====>		A			B			C			D			E				MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA																																																																																
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	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA																																																																																																																																	
NOTES: PROCEDURE CANCELED EFFECTIVE <u>12 MAR 2009</u>																																																																																																																																																
CITY AND STATE WRANGELL, AK				ELEVATION: 44 TDZE: AIRPORT NAME: WRANGELL				FACILITY IDENTIFIER: GPS				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS-A, ORIG 09/11/1997 12 MAR 2009				SUP 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	
ADROW (IAF)	UNSAW (NOPT) (FB)	119.05 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW03 CLIMB TO 3100 DIRECT OWAIVE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 209.18 INBOUND. CHART FAS OBST: 944 TREE 391933N/0812702W CHART FAS OBST: 1126 TOWER 391628N/0812943W CHART 1275 TOWER 391445N/0812818W. DISTANCE TO THLD FROM 386 HAT: 1.17 NM. CHART VDP AT 1.59 MILES TO RW03* LNAV ONLY. WAAS CHANNEL # 77906 REFERENCE PATH ID: W03A
EHUNY (IAF)	UNSAW (NOPT) (FB)	299.17 / 5.00	3000	
UNSAW (IF/IAF)	ODENN (FB)	029.05 / 6.08	2600	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW UNSAW, RT, 029.05 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 029.08 FAF: ODENN DIST FAF TO MAP: 5.43 THLD: 5.43
- MIN. ALT: UNSAW 3000, ODENN 2600
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2600 GS ALT AT: ODENN 2600 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 42.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 7W 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	1217	5000	386	1217	5000	386	1217	5000	386	1217	5000	386			
LNAV/VNAV DA	1478	2	647	1478	2	647	1478	2	647	1478	2	647			
LNAV MDA	1380	4000	549	1380	4000	549	1380	5000	549	1380	6000	549			
CIRCLING	1440	1	582	1440	1	582	1440	1 1/2	582	1460	2	602			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.
 SEE 8260-10

CITY AND STATE PARKERSBURG, WV	ELEVATION: 858 TDZE: 831 AIRPORT NAME: MID-OHIO VALLEY REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, AMDT 1 12 MAR 2009	SUP RNAV (GPS) Z Rwy 3 AMDT: ORIG DATED 06/13/02
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QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING JACKSON COUNTY ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JACKSON COUNTY ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 100 FEET. INCREASE ALL VISIBILITIES 3/4 MILE.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY WHEN USING JACKSON COUNTY ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV VISIBILITY ALL CATS TO 1 1/2 AND LNAV CATS A/B TO RVR 5000.

TAA

	FROM	TO	ALT
1.	299/30 CW 119/30 (NOPT)	UNSAW (IF/IAF) (FB)	3000
2.	119/30 CW 209/30	ADROW (FB)	3000
3.	209/30 CW 299/30	EHUNY (FB)	3000

CITY AND STATE

PARKERSBURG, WV

ELEVATION: 858 TDZE: 831

AIRPORT NAME:

MID-OHIO VALLEY REGIONAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 3, AMDT 1

12 MAR 2009

SURF: RNAV (GPS) Z, Rwy 3

AMDT: ORIG

DATED: 06/13/02

QUALITY
CHECKED

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPKB
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	392013.0100N
LTP/FTP LONGITUDE	0812637.9500W
LTP/FTP ELLIPSOIDAL HEIGHT	+02107
FPAP LATITUDE	392135.8300N
FPAP LONGITUDE	0812554.7100W
THRESHOLD CROSSING HEIGHT (TCH)	00042.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 647DA150

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02449
FPAP ORTHOMETRIC HEIGHT	+02449

CITY AND STATE
 PARKERSBURG, WV

ELEVATION: 858 TDZE: 831
 AIRPORT NAME:
 MID-OHIO VALLEY REGIONAL

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 3, AMDT 1
 12 MAR 2009

SUPRNAV (GPS) Z Rwy 3
 AMDT: ORIG
 DATED: 06/13/02

QUALITY
 CHECKED

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[illegible][illegible][illegible]

SUPNAV (GPS) Z Rury 3
AMDT: ORIG
DATED: 06/13/02

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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ARTIC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	ADROW	ADROW	010	IAF	IF		FB				
	ADROW	UNSAW	020		TF		FB	1.0	119.1(112T)	005.0	03000
	EHUNY	EHUNY	010	IAF	IF		FB				
	EHUNY	UNSAW	020		TF		FB	1.0	399.2(292T)	005.0	03000
	UNSAW	UNSAW	010		HF	R	FB		029.1(022T)	004.0	03000
		UNSAW	010	FACF	IF		FB				03000
		ODENN	020	FAP	TF		FB	0.5	029.1(022T)	006.1	02600
		RW03	030	MAP	TF		FO	0.3	029.1(022T)	005.4	00845

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	OWAVE	040		DF		FO	1.0			03100
	OWAVE	050		HM	R	FO	2.0	209.2(202T)	004.0	03100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ADROW	N391125.36	W0813809.62	N3911.423	W08138.160
	EHUNY	N390739.32	W0812614.96	N3907.655	W08126.249
	ODENN	N391510.99	W0812915.75	N3915.183	W08129.263
	OWAVE	N393220.30	W0812016.18	N3932.338	W08120.270
	UNSAW	N390932.49	W0813212.13	N3909.542	W08132.202
	RW03	N392013.01	W0812637.95	N3920.217	W08126.633

RUNWAY DATA	RWY	THRESHOLD	ELEVATION	TCH
	RW03	06803		43

CITY AND STATE
PARKERSBURG, WV

ELEVATION: 858 TDZE: 831
 AIRPORT NAME:
MID-OHIO VALLEY REGIONAL

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 3, AMDT 1
12 MAR 2009

SUP RNAV (GPS) Z Rwy 3
 AMDT: ORIG
 DATED: 06/13/02

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: RW21									
ECOLA (IAF)		OWAVE (NOPT) (FB)		299.18 / 5.00		3100											
CEDOW (IAF)		OWAVE (NOPT) (FB)		119.06 / 5.00		3100											
OWAVE (IF/IAF)		MIDCO (FB)		209.18 / 6.10		2800		CLIMB TO 3000 DIRECT UNSAW AND HOLD.									
								ADDITIONAL FLIGHT DATA: HOLD SW, RT, 029.05 INBOUND. CHART FAS OBST: 1080 TREE 392203N/0812545W CHART 1139 TREE 392628N/0812228W. CHART VDP AT 1.47 MILES TO RW21. MIDCO TO RW21: 3.03/56. CHART TDZE 857									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE OWAVE, RT, 209.18 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: 209.15 FAF: MIDCO DIST FAF TO MAP: 5.86 THLD: 5.86 4. MIN. ALT: OWAVE 3100, MIDCO 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:								MAG VAR: 7W EPOCH YEAR: 2000									
MINIMUMS																	
TAKEOFF:		STANDARD X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A		STANDARD @													
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LNAV MDA	1380	1	523	1380	1	523	1380	1 1/2	523	1380	1 3/4	523					
CIRCLING	1440	1	582	1440	1	582	1440	1 1/2	582	1460	2	602					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JACKSON COUNTY ALTIMETER SETTING AND INCREASE ALL MDAs 100 FEET. INCREASE CAT C/D VISIBILITIES 1/2 MILE. CHART NOTE: VDP NA WITH JACKSON COUNTY ALTIMETER SETTING.																	
CITY AND STATE PARKERSBURG, WV				ELEVATION: 858 TDZE: 857 AIRPORT NAME: MID-OHIO VALLEY REGIONAL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 1 12 MAR 2009				SUP: RNAV(GPS)Z RWY21 AMDT: ORIG DATED 13 JUN 02			

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.	119/30 CW 299/30 (NOPT)	OWAVE (IF/IAF) (FB)	3100
2.	299/30 CW 029/30	ECOLA (FB)	3100
3.	029/30 CW 119/30	CEDOW (FB)	3100

CITY AND STATE

PARKERSBURG, WV

ELEVATION: 858

TDZE: 857

AIRPORT NAME:

MID-OHIO VALLEY REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, AMDT 1

12 MAR 2009

SUP: RNAV(GPS)Z RWY21

AMDT: ORIG

DATED: 13 JUN 02

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	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789	01234567890	12345678901	23456789012	34567890123

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

[illegible]

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789	01234567890	12345678901	23456789012	34567890123

SUP:RNAV(GPS)ZRWy 21
AMDT:ORIG
DATED: 13 Jun 02

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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ARTIC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	CEDOW	CEDOW	010	IAF	IF		FB				
	CEDOW	OWAVE	020		TF		FB	1.0	119.1(112T)	005.0	03100
	ECOLA	ECOLA	010	IAF	IF		FB				
	ECOLA	OWAVE	020		TF		FB	1.0	299.2(292T)	005.0	03100
	OWAVE	OWAVE	010		HF	R	FB		309.2(202T)	004.0	03100
		OWAVE	010	FACF	IF		FB				03100
		MIDCO	020	FAF	TF		FB	0.5	209.2(202T)	006.1	02800
		RW21	030	MAP	TF		FO	0.3	209.2(202T)	005.9	00913

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	UNSAW	040		DF		FO	1.0			03000
	UNSAW	050		HM	R	FO	2.0	029.1(022T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEDOW	N393413.21	W0812615.58	N3934.220	W08126.260
	ECOLA	N393027.09	W0811417.10	N3930.452	W08114.285
	MIDCO	N392641.31	W0812314.43	N3926.689	W08123.241
	OWAVE	N393220.30	W0812016.18	N3932.338	W08120.270
	UNSAW	N390932.49	W0813212.13	N3909.542	W08132.202
	RW21	N392115.09	W0812605.46	N3921.252	W08126.091

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW21	00857		56

CITY AND STATE
PARKERSBURG, WV

ELEVATION: 858 TDZE: 857
 AIRPORT NAME:
 MID-OHIO VALLEY REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 21, AMDT 1
 12 MAR 2009

SUP: RNAV(GPS)ZRWY21
 AMDT: ORIG
 DATED: 13 Jun 02

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.																																																																																																																																																	
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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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TERMINAL ROUTES				MISSED APPROACH																																																																																																																																																																											
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1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF) 2. _____ 3. FAC: ____ FAF: ____ DIST FAF TO MAP: ____ THLD: ____ 4. MIN. ALT: _____ 5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____ 6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____ 7. GS ANGLE: ____ TCH: ____ 8. MSA FROM: _____				MAG VAR: _____				EPOCH YEAR: _____																																																																																																																																																																							
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CITY AND STATE PARKERSBURG, WV		ELEVATION: 858 TDZE: 858 AIRPORT NAME: MID-OHIO VALLEY REGIONAL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 21, ORIG, 08/30/2007				SUP: AMDT: NONE DATED																																																																																																																																																																					

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 3, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 451 FT PER NM TO 1300.

RWY 10, 21 - STANDARD

RWY 28, 500-3 OR STANDARD WITH MINIMUM CLIMB OF 295 FT PER NM TO 1600.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 3, TREES BEGINNING 253' FROM DER, 424' LEFT OF CENTERLINE, UP TO 100' AGL/1080' MSL. TREES 2615' FROM DER, 807' RIGHT OF CENTERLINE, 100' AGL/935' MSL.

NOTE: RWY 10, TREES BEGINNING 281' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/889' MSL.

NOTE: RWY 21, TREES BEGINNING 513' FROM DER, 193' RIGHT OF CENTERLINE, UP TO 100' AGL/952' MSL. TREES BEGINNING 248' FROM DER, 499' LEFT OF CENTERLINE, UP TO 100' AGL/837' MSL. TREES 4457' FROM DER, 239' RIGHT OF CENTERLINE, 100' AGL/944' MSL.

NOTE: RWY 28, TREES BEGINNING 97' FROM DER, 387' RIGHT OF CENTERLINE, UP TO 100' AGL/862' MSL.

(4) CONTROLLING OBSTACLES:

RWY 3: 1080 MSL TREE 392202.53N-0812545.20W.

RWY 28: 1300 MSL TOWER 392039.00N-0812948.00W

(5) City, State

PARKERSBURG, WV

(6) Airport

MID-OHIO VALLEY REGIONAL

(7) Effective Date

12 MAR 2009

(8) Amdt. No.

2

QUALITY
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: 5.92 MILES AFTER JPU VORTAC						
BROCH/JPU 10.00 DME CW (IAF)		CLIEN/JPU 10.00 DME (NOPT)		10.00 DME ARC (JPU LR-019)				2800		CLIMB TO 2600 VIA JPU VORTAC R-207 TO VERSI LOM/JPU 12.33 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2800 DIRECT JPU VORTAC AND HOLD NE, RT, 211.29 INBOUND. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 027.25 INBOUND. CHART FAS OBST: 1080 TREE 392203N/0812545W CHART 1139 TREE 392628N/0812228W CHART JPU R-121 AT TRION. CHART JPU R-324 AT BROCH. CHART IN PLANVIEW: JPU VORTAC. JPU VORTAC TO RW21: 3.00/56. CHART VDP AT 4.45 DME; DISTANCE VDP TO THLD 1.47 MILES. CHART TDZE: 857.						
TRION/JPU 10.00 DME CCW (IAF)		CLIEN/JPU 10.00 DME (NOPT)		10.00 DME ARC (JPU LR-043)				2800								
CLIEN/JPU 10.00 DME (IF)		JPU VORTAC		211.23 / 10.00				2800								
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE JPU VORTAC, RT, 211.29 INBOUND, 2800 FT. IN LIEU OF PT (IAF) 3. FAC <u>211.29</u> FAF JPU VORTAC <u> </u> DIST FAF TO MAP <u>5.92</u> THLD <u>5.92</u> 4. MIN. ALT <u>JPU VORTAC 2800</u> 8. MSA FROM: <u>JPU VORTAC 2800</u>										MAG VAR: 3W				EPOCH YEAR: 1965		
MINIMUMS																
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @				
CATEGORY =====>		A			B			C			D			E		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-21		1380	1	523	1380	1	523	1380	1 1/2	523	1380	1 3/4	523			
CIRCLING		1440	1	582	1440	1	582	1440	1 1/2	582	1460	2	602			
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT JPU VORTAC ON V117 SOUTHWEST BOUND. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JACKSON COUNTY ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET. INCREASE CAT C/D VISIBILITIES 1/2 MILE. SEE 8260-10																
CITY AND STATE		ELEVATION: 858		TDZE: 857		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP				
PARKERSBURG, WV		AIRPORT NAME:		MID-OHIO VALLEY REGIONAL		JPU		VOR RWY 21, AMDT 17 12 MAR 2009				AMDT 16				
												DATE 06/13/2003				

 QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

CHART NOTE: VDP NA WHEN USING JACKSON COUNTY ALTIMETER SETTING.

CHART NOTE: ADF OR DME REQUIRED.

CITY AND STATE

PARKERSBURG, WV

ELEVATION: 858 TDZE: 857

AIRPORT NAME:

MID-OHIO VALLEY REGIONAL

FACILITY
IDENTIFIER:

JPU

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 21, AMDT 17

12 MAR 2009

SUP:

AMDT: 16

DATED: 06/13/2003

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 09 APR 2009

CITY AND STATE COURTLAND, AL	ELEVATION: 588 TDZE: 581 AIRPORT NAME: LAWRENCE COUNTY	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 13, ORIG, 12/05/1996	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	
WAKAR (IAF)	GOC CI (NOPT) (FB)	040.95 / 5.00	2700	RNAV: RW13 CLIMB TO 2700 DIRECT DABIE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 311.18 INBOUND. CHART FAS OBST: 772 TOWER 344046N/0872324W DAZNI TO RW13: 3.04/40
BABMY (IAF)	GOC CI (NOPT) (FB)	221.03 / 5.00	2700	
GOC CI (IF/IAF)	DAZNI (FB)	130.99 / 6.10	2000	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW GOC CI, RT, 130.99 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
- FAC: 131.04 FAF: DAZNI DIST FAF TO MAP: 4.28 THLD: 4.28
- MIN. ALT: GOC CI 2700, DAZNI 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: 1W

EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF:	☐	STANDARD	☒	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A	☒								
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
RNAV MDA	1060	1	479	1060	1	479	1060	1 1/4	479	1060	1 1/2	479			
CIRCLING	1200	1	612	1280	1	692	1280	2	692	1300	2 1/4	712			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: USE MUSCLE SHOALS ALTIMETER SETTING, WHEN NOT RECEIVED USE HUNTSVILLE INTL - CARL T JONES ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, INCREASE RNAV CAT C AND D AND CIRCLING CAT D VISIBILITY 1/4 MILE

CITY AND STATE COURTLAND, AL	ELEVATION: 588 TDZE: 581 AIRPORT NAME: LAWRENCE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 09 APR 2009	SUP:
				AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TAA

	FROM	TO	ALT
1.	041/30 CW 221/30 (NOPT)	GOC CI (IF/IAF) (FB)	2700
2.	221/30 CW 311/30	221/10 CW 311/10	3200
3.	221/10 CW 311/10	BABMY (IAF) (FB)	2700
4.	311/30 CW 041/30	WAKAR (IAF) (FB)	2700

CITY AND STATE

COURTLAND, AL

ELEVATION: 588

TDZE: 581

AIRPORT NAME:

LAWRENCE COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

09 APR 2009

SUP:

AMDT:

NONE

DATED:

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

[illegible]

CITY AND STATE COURTLAND, AL	ELEVATION: 588 TDZE: 581 AIRPORT NAME: LAWRENCE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 09 APR 2009	SUP:
				AMDT: NONE
				DATED:

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	BABMY	BABMY	010	IAF	IF		FB				
	BABMY	GOCCI	020		TF		FB	1.0	221.0(220T)	005.0	02700
	GOCCI	GOCCI	010		HF	R	FB		131.0(130T)	004.0	02700
	WAKAR	WAKAR	010	IAF	IF		FB				
	WAKAR	GOCCI	020		TF		FB	1.0	041.0(040T)	005.0	02700
		GOCCI	010	FACF	IF		FB				02700
		DAZNI	020	FAF	TF		FB	0.5	131.0(130T)	006.1	02000
		RW13	030	MAP	TF		FO	0.3	131.0(130T)	004.3	00621

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	DABIE	040		DF		FO	1.0			02700
	DABIE	050		HM	R	FO	2.0	311.2(310T)	004.0	02700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BABMY	N345012.69	W0872657.21	N3450.212	W08726.954
	DABIE	N343226.12	W0871048.76	N3432.435	W08710.813
	DAZNI	N344226.84	W0872511.36	N3442.447	W08725.189
	GOCCI	N344622.53	W0873051.43	N3446.376	W08730.857
	WAKAR	N344232.24	W0873445.28	N3442.537	W08734.755
	RW13	N343941.25	W0872112.97	N3439.688	W08721.216

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW13	00581	40

CITY AND STATE
COURTLAND, AL

ELEVATION: 588 TDZE: 581
 AIRPORT NAME:
 LAWRENCE COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 13, ORIG
 09 APR 2009

SUP:
 AMDT: NONE
 DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES								MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: RW31 CLIMBING RIGHT TURN TO 2700 DIRECT DABIE AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 859 TREE 343710N/0871904W CHART: 1147 TOWER 343716N/0871548W CHART: MUSCLE SHOALS ASOS, 119.425 AARTA TO RW31: 3.04/40							
IDARE (IAF)		DABIE (NOPT) (FB)		221.22 / 5.00		2700									
HAGGY (IAF)		DABIE (NOPT) (FB)		041.14 / 5.00		2700									
DABIE (IF/IAF)		AARTA (FB)		311.18 / 6.10		2000									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE DABIE, RT, 311.18 INBOUND, 2700 FT. IN LIEU OF PT (IAF) 3. FAC: 311.13 FAF: AARTA _____ DIST FAF TO MAP: 4.31 THLD: 4.31 4. MIN. ALT: DABIE 2700, AARTA 2000, CABAS/2.10 NM TO RW31 1280 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: 1W EPOCH YEAR: 1995							
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N/A ☒															
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1160	1	581	1160	1	581	1160	1 1/2	581	1160	1 3/4	581			
CIRCLING	1200	1	612	1280	1	692	1280	2	692	1300	2 1/4	712			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: USE MUSCLE SHOALS ALTIMETER SETTING, WHEN NOT RECEIVED USE HUNTSVILLE INTL-CARL T JONES ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE LNAV CAT C AND D AND CIRCLING CAT D VISIBILITY 1/4 MILE.															
CITY AND STATE		ELEVATION: 588 TDZE: 579		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
COURTLAND, AL		AIRPORT NAME:		LAWRENCE COUNTY		RNAV (GPS) RWY 31, ORIG				AMDT: NONE					
						09 APR 2009				DATED					

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

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

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	221/30 CW 041/30 (NOPT)	221/20 CW 041/20	3100
2.	221/20 CW 041/20	DABIE (IF/IAF) (FB)	2700
3.	041/30 CW 131/30	HAGGY (IAF) (FB)	2700
5.	131/30 CW 221/30	131/20 CW 221/20	3200
6.	131/20 CW 221/20	IDARE (IAF) (FB)	2700

CITY AND STATE

COURTLAND, AL

ELEVATION: 588 TDZE: 579

AIRPORT NAME:

LAWRENCE COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

09 APR 2009

SUP:

AMDT: NONE

DATED:

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

[illegible]

CITY AND STATE COURTLAND, AL	ELEVATION: 588 TDZE: 579 AIRPORT NAME: LAWRENCE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 09 APR 2009	SUP:
				AMDT: NONE
				DATED:

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DABIE	DABIE	010		HF	R	FB		311.2 (310T)	004.0	02700
	HAGGY	HAGGY	010	IAF	IF		FB				
	HAGGY	DABIE	020		TF		FB	1.0	041.1 (040T)	005.0	02700
	IDARE	IDARE	010	IAF	IF		FB				
	IDARE	DABIE	020		TF		FB	1.0	221.2 (220T)	005.0	02700
		DABIE	010	FACF	IF		FB				02700
		AARTA	020	FAF	TF		FB	0.5	311.2 (310T)	006.1	02000
		CABAS	021	SDF	TF		FB	0.3	311.1 (310T)	002.2	0128001293
		RW31	030	MAP	TF		FO	0.3	311.1 (310T)	002.1	00611

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DABIE	040		DF	R	FO				02700
	DABIE	050		HM	R	FO	2.0	311.2 (310T)	004.0	02700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AARTA	N343622.52	W0871627.51	N3436.375	W08716.459
	CABAS	N343748.12	W0871830.38	N3437.802	W08718.506
	DABIE	N343226.12	W0871048.76	N3432.435	W08710.813
	HAGGY	N342836.46	W0871442.89	N3428.608	W08714.715
	IDARE	N343615.65	W0870654.28	N3436.261	W08706.905
	RW31	N343909.41	W0872027.19	N3439.157	W08720.453

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	00571	40

CITY AND STATE COURTLAND, AL	ELEVATION: 588 TDZE: 579	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 09 APR 2009	SUP:
	AIRPORT NAME:			AMDT: NONE
	LAWRENCE COUNTY			DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 13, 31 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 31, TREES 4,244' FROM DER, 888' RIGHT OF CENTERLINE, 100' AGL/699' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

COURTLAND, AL

(6) Airport

LAWRENCE COUNTY

(7) Effective Date

09 APR 2009

(8) Amdt. No.

ORIG

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 13, TREES BEGINNING 5' FROM DER, 295' RIGHT OF CENTERLINE, UP TO 100' AGL/389' MSL. TREES BEGINNING 6' FROM DER, 304' LEFT OF CENTERLINE, UP TO 100' AGL/359' MSL.

NOTE: RWY 31, TREES BEGINNING 12' FROM DER, 219' RIGHT OF CENTERLINE, UP TO 100' AGL/359' MSL. VEHICLE 464' FROM DER, 601' LEFT OF CENTERLINE, UP TO 15' AGL/284' MSL. TREES BEGINNING 929' FROM DER, 568' LEFT OF CENTERLINE, UP TO 100' AGL/389' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

TUSKEGEE, AL

(6) Airport

MOTON FIELD MUNI

(7) Effective Date

09 APR 2009

(8) Amdt. No.

ORIG

QUALITY
2
CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 9, 27 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, TREES BEGINNING 0' FROM DER, 340' RIGHT OF CENTERLINE, UP TO 100' AGL/1059' MSL. TREES BEGINNING 200' FROM DER, 204' LEFT OF CENTERLINE, UP TO 100' AGL/1059' MSL.

NOTE: RWY 27, TREES BEGINNING 0' FROM DER, 310' RIGHT OF CENTERLINE, UP TO 100' AGL/1059' MSL. TREES BEGINNING 279' FROM DER, 414' LEFT OF CENTERLINE, UP TO 100' AGL/1059' MSL. POWERLINE 1407' FROM DER, 643' RIGHT OF CENTERLINE, 65' AGL/1012' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

CEDARTOWN, GA

(6) Airport

POLK COUNTY AIRPORT-CORNELIUS MOORE FIELD

(7) Effective Date

09 APR 2009

(8) Amdt. No.

ORIG

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

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 $\Rightarrow$	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 09 APR 2009

CITY AND STATE WEST MILFORD, NJ	ELEVATION: 791 TDZE: 791 AIRPORT NAME: GREENWOOD LAKE	FACILITY IDENTIFIER: SAX	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 6, ORIG, 07/07/1997	SUP AMDT NONE DATE
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QUALITY
CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 01, 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 290' PER NM TO 600.

RWY 19, STANDARD WITH MINIMUM CLIMB OF 415' PER NM TO 2000 OR 1700-1 1/2 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 01, CLIMB HEADING 008 TO 2000 BEFORE PROCEEDING ON COURSE.

RWY 19, CLIMB VIA HEADING 188 TO 2000 OR FOR CLIMB IN VISUAL CONDITIONS; CROSS SOUTH ALBANY AIRPORT AT OR ABOVE 1700 BEFORE PROCEEDING ON COURSE. DO NOT EXCEED 180 KNOTS UNTIL CROSSING SOUTH ALBANY AIRPORT ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 01, VEHICLES ON ROAD BEGINNING 315' FROM DER, LEFT TO RIGHT OF CENTERLINE, UP TO 15' AGL/234' MSL. VEHICLES ON ROAD 17' FROM DER, 467' LEFT OF CENTERLINE, 15' AGL/224' MSL. TREES 523' FROM DER, 425' RIGHT OF CENTERLINE, UP TO 100' AGL/299' MSL.

STACKS 1.3 NM FROM DER, 1,522' RIGHT OF CENTERLINE, 195' AGL/435' MSL.

NOTE: RWY 19, TRAINS BEGINNING 23' FROM DER, LEFT AND RIGHT OF CENTERLINE, 23' AGL/318' MSL.

(4) CONTROLLING OBSTACLES:

RWY 01: 2280 MSL TOWER 423731.00N-0740037.00W, 435 MSL STACKS 423515.00N-0734956.00W

RWY 19: 4199 MSL AAO 421612.37N-0740720.89W

VCOA: 790 MSL TOWER 423324.00N-0735203.00W, 2280 MSL TOWER 423731.00N-0740037.00W

(5) City, State

SOUTH BETHLEHEM, NY

(6) Airport

SOUTH ALBANY

(7) Effective Date

09 APR 2009

(8) Amdt. No.

ORIG

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____

EPOCH YEAR: _____

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 09 APR 2009

CITY AND STATE COLUMBUS, OH	ELEVATION: 928 TDZE: AIRPORT NAME: DARBY DAN	FACILITY IDENTIFIER: BU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-A, ORIG, 01/18/2007	SUP AMDT NONE DATE
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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	
BAARN	OLBEC (FB)	184.45 / 10.34	3500	LNAV/VNAV: DA LNAV: RW08 CLIMB TO 3000 DIRECT ROYCO AND VIA 346.89 TRACK TO RADBE AND 289.77 TRACK TO KUPPS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, LT, 168.00 INBOUND. CHART FAS OBST: 532 TANK 400626N/0761827W CHART FAS OBST: 558 TREES 400438N/0762346W DISTANCE TO THLD FROM 461 HAT: 1.35 NM. CHART VDP AT 1.60 MILES TO RW08* *LNAV ONLY.
OLBEC (IAF)	DALAC (FB)	166.78 / 5.00	3000	
DELRO (IAF)	DALAC (FB)	045.05 / 5.71	3000	
DALAC (IF)	POLCU (FB)	076.81 / 6.00	2500	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. PROFILE STARTS AT DALAC
 3. FAC: 076.89 FAF: POLCU DIST FAF TO MAP: 6.38 THLD: 6.38
 4. MIN. ALT: DALAC 3000, POLCU 2500
 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
 6. MIN GS INCPT: 2500 GS ALT AT: POLCU 2500 OM: MM: IM:
 7. GS ANGLE: 3.00 TCH: 33.1 34:1 IS CLEAR
 8. MSA FROM: RW08 3000

MAG VAR: 9W

EPOCH YEAR: 1965

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A			STANDARD @		
CATEGORY =====>		A			B			C			D			E					
		DH/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		860	1 1/4	461	860	1 1/4	461	860	1 1/4	461	860	1 1/4	461						
LNAV MDA		940	1/2	541	940	1/2	541	940	1	541	940	1 1/4	541						
CIRCLING		940	1	537	940	1	537	940	1 1/2	537	1080	2 1/4	677						

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15C (5F) OR ABOVE 48C (118F).

@ CAT D 800-2 1/4

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DELRO VIA V184-474 WEST BOUND AND V39-143 SOUTHWEST BOUND.

CITY AND STATE LANCASTER, PA	ELEVATION: 403 TDZE: 399 AIRPORT NAME: LANCASTER	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1A 09 APR 2009	SUP: AMDT: 1 DATED 11/01/2001
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)[illegible][illegible][illegible][illegible]

CITY AND STATE
LANCASTER, PA

ELEVATION: 403 TDZE: 399
AIRPORT NAME:
LANCASTER

**FACILITY
IDENTIFIER:**
BNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 8, AMDT 1A
09 APR 2009

SUP: _____
AMDT: 1
DATED: 11/01/2001

checked

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

[illegible]

SUP:	
AMDT:	1
DATED:	11/01/2001

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
	BAARN	BAARN	010		IF		FB				
	BAARN	OLBEC	020	IAF	TF		FB	2.0	184.5 (176T)	010.3	03500
	BAARN	DALAC	030		TF		FB	1.0	166.8 (158T)	005.0	03000
	DELRO	DELRO	010	IAF	IF		FB				
	DELRO	DALAC	020		TF		FB	1.0	045.1 (036T)	005.7	03000
		DALAC	010	FACF	IF		FB				03000
		POLCU	020	FAF	TF		FB	1.0	076.8 (068T)	006.0	02500
		RW08	030	MAP	TF		FO	0.3	076.9 (068T)	006.4	00430

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	ROYCO	040		DF		FB	1.0			
	RADBE	050		TF		FB	1.0	346.9 (338T)		
	KUPPS	060		TF		FO	1.0	289.8 (281T)		03000
	KUPPS	070		HM	L	FO	2.0	168.0 (159T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BAARN	N401729.35	W0763640.78	N4017.489	W07636.680
	DALAC	N400232.61	W0763308.97	N4002.544	W07633.150
	DELRO	N395755.71	W0763731.24	N3957.929	W07637.521
	KUPPS	N401714.32	W0762707.01	N4017.239	W07627.117
	OLBEC	N400710.58	W0763536.67	N4007.176	W07635.611
	POLCU	N400448.49	W0762554.62	N4004.808	W07625.910
	RADBE	N401534.27	W0761536.01	N4015.571	W07615.600
	ROYCO	N400904.92	W0761209.52	N4009.082	W07612.159
	RW08	N400712.48	W0761812.21	N4007.208	W07618.204

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00397	33

CITY AND STATE
LANCASTER, PA

ELEVATION: 403 TDZE: 399
 AIRPORT NAME:
 LANCASTER

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 8, AMDT 1A
 09 APR 2009

SUP:
 AMDT: 1
 DATED: 11/01/2001

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BARRY INT	LFB NDB	179.51 / 19.01	2600

MISSED APPROACH

MAP: LFB NDB
CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 2600 DIRECT LFB NDB AND HOLD.
ADDITIONAL FLIGHT DATA: HOLD N, LT, 194.00 INBOUND. FAS OBST: 1139 AAO 363659N/0860306W FAC CROSSES RWY C/L EXTENDED 2144 FROM THLD.

1. PT R SIDE OF COURSE 014.00 OUTBOUND 2600 FT WITHIN 10 MILES OF LFB NDB (IAF)
2. _____
3. FAC 194.00 FAF _____ DIST FAF TO MAP _____ THLD _____
4. MIN. ALT _____
8. MSA FROM: LFB NDB 3100

MAG VAR: 2W EPOCH YEAR: 1990

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A			X						
CATEGORY ----->		A			B			C			D			E		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-19		1500	1	539	1500	1	539	1500	1 1/2	539	1500	1 3/4	539			
CIRCLING		1500	1	531	1500	1	531	1500	1 1/2	531	1520	2	551			

BOWLING GREEN ALTIMETER SETTING MINIMUMS

S-19	1640	1	679	1640	1	679	1640	2	679	1640	2 1/4	679			
CIRCLING	1640	1	671	1640	1	671	1640	2	671	1640	2 1/4	671			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE BOWLING GREEN ALTIMETER SETTING.

CITY AND STATE LAFAYETTE, TN	ELEVATION: 969 TDZE: 961 AIRPORT NAME: LAFAYETTE MUNI	FACILITY IDENTIFIER: LFB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 19, AMDT 3 09 APR 2009	SUP AMDT 2B DATE 04/03/1997
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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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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
BARRY (IAF)	OZESI (FB)	175.59 / 6.70	3000	LNAV: RW19	
OZESI (IF)	QALAY (FB)	175.59 / 7.00	2500	CLIMBING RIGHT TURN TO 3000 DIRECT BARRY AND HOLD.	
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 175.59 INBOUND. CHART FAS OBST: 1129 PWRLN 363326N/0860328W QALAY TO RW19: 3.04/45.	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT OZESI
- FAC: 188.33 FAF: QALAY DIST FAF TO MAP: 4.68 THLD: 4.68
- MIN. ALT: OZESI 3000, QALAY 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: RW19 3100

MAG VAR: 2W EPOCH YEAR: 1990

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	1380	1	419	1380	1	419	1380	1 1/4	419	1380	1 1/4	419				
CIRCLING	1440	1	471	1440	1	471	1440	1 1/2	471	1520	2	551				

BOWLING GREEN ALTIMETER SETTING MINIMUMS

LNAV MDA	1520	1	559	1520	1	559	1520	1 1/2	559	1520	1 3/4	559				
CIRCLING	1580	1	611	1580	1	611	1580	1 3/4	611	1580	2	611				

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: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE BOWLING GREEN ALTIMETER

SETTING.

CITY AND STATE LAFAYETTE, TN	ELEVATION: 969 TDZE: 961 AIRPORT NAME: LAFAYETTE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, ORIG 09 APR 2009.	SUP: AMDT: NONE DATED
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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
	BARRY	BARRY	010	IAF	IF		FB				
	BARRY	OZESI	020		TF		FB	1.0	175.6(174T)	006.7	03000
		OZESI	010	FACF	IF		FB				03000
		QALAY	020	FAF	TF		FB	0.5	175.6(174T)	007.0	02500
		RW19	030	MAP	TF		FO	0.3	188.3(186T)	004.7	00990

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	BARRY	040		DF	R	FO	1.0			03000
	BARRY	050		HM	R	FO	2.0	175.6(174T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BARRY	N364955.09	W0860441.14	N3649.918	W08604.686
	OZESI	N364315.03	W0860345.31	N3643.251	W08603.755
	QALAY	N363617.09	W0860247.08	N3636.285	W08602.785
	RW19	N363137.65	W0860325.47	N3631.628	W08603.425

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19	00945	45

CITY AND STATE LAFAYETTE, TN	ELEVATION: 969 TDZE: 961	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, ORIG 09 APR 2009	SUP:
	AIRPORT NAME: LAFAYETTE MUNI			AMDT: NONE
				DATED:

QUALITY
CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 1, 19 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1, ROAD + VEHICLE 666 FEET FROM DER, ON CENTERLINE, 17 FEET AGL/976 FEET MSL. TREE 1120 FEET FROM DER, 356 FEET LEFT OF CENTERLINE, 51 FEET AGL/992 FEET MSL.

NOTE: RWY 19, TREE 2490 FEET FROM DER, 509 FEET RIGHT OF CENTERLINE, 90 FEET AGL/1039 FEET MSL. TREE 2643 FEET FROM DER, 359 FEET RIGHT OF CENTERLINE, 85 FEET AGL/1060 FEET MSL. TREE 2767 FEET FROM DER, 406 FEET RIGHT OF CENTERLINE, 91 FEET AGL/1078 FEET MSL. TREE 3387 FEET FROM DER, 220 FEET RIGHT OF CENTERLINE, 93 FEET AGL/1092 FEET MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

LAFAYETTE, TN

(6) Airport

LAFAYETTE MUNI

(7) Effective Date

09 APR 2009

(8) Amdt. No.

ORIG

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 17, 35, STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, TREES 10' FROM DER, 466' RIGHT OF CENTERLINE, 100' AGL/1,019' MSL. VEHICLE ON ROAD 200' FROM DER, 526' LEFT OF CENTERLINE, 15' AGL/944' MSL.

NOTE: RWY 35, TREES 300' LEFT OF CENTERLINE, 100' AGL/1,029' MSL. TREES, POWERLINES AND VEHICLE ON ROAD 1,395' FROM DER, ON CENTERLINE, UP TO 100' AGL/1,059' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

LAWRENCEBURG, TN

(6) Airport

LAWRENCEBURG-LAWRENCE COUNTY

(7) Effective Date

09 APR 2009

(8) Amdt. No.

ORIG

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 15, 33, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 15, TREES 436' FROM DER, 518' RIGHT OF CENTERLINE, 100' AGL/439' MSL. VEHICLE ON ROAD 647' FROM DER, 649' RIGHT OF CENTERLINE, 15' AGL/354' MSL. TREES 1034' FROM DER, 763' LEFT OF CENTERLINE, 100' AGL/449' MSL. TREES 1924' FROM DER, 781' RIGHT OF CENTERLINE, 100' AGL/459' MSL. TREES BEGINNING 2239' FROM DER, 41' LEFT OF CENTERLINE, UP TO 100' AGL/459' MSL.

NOTE: RWY 33, TREES BEGINNING 1272' FROM DER, 59' RIGHT OF CENTERLINE, UP TO 41' AGL/370' MSL. TREES BEGINNING 2610' FROM DER, 116' LEFT OF CENTERLINE, UP TO 74' AGL/413' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

WARRENTON, VA

(6) Airport

WARRENTON-FAUQUIER

(7) Effective Date

09 APR 2009

(8) Amdt. No.

ORIG



RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW25 CLIMBING RIGHT TURN TO 3300 DIRECT LIVAQ AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 529 TREE 343927N/1202431W CHART 1569 TREE 344149N/1202002W. CHART 649 TREE 343918N/1202409W. CHART R-2516, R-2517, AND R-2534A. CHART VDP AT 2.09 MILES TO RW25. CIKLO TO RW25: 3.74/40.								
GVO VORTAC (IAF)	AFOXY (NOPT) (FB)	307.81 / 5.82	4400									
AFOXY	LIVAQ (FB)	308.47 / 3.96	3300									
LIVAQ (IF/IAF)	AGIYU (FB)	256.10 / 3.88	3000									
AGIYU	PILCU (FB)	256.06 / 2.00	2700									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E LIVAQ, LT, 256.10 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC: 256.03 FAF: PILCU DIST FAF TO MAP: 6.50 THLD: 6.50 4. MIN. ALT: LIVAQ 3300, AGIYU 3000, PILCU 2700, CIKLO/3.00 NM TO RW25 1320 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: RW25 5800				MAG VAR: 15E EPOCH YEAR: 1980								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @							
CATEGORY ==>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	780	1	692	780	1	692		NA			NA	
CIRCLING	780	1	692	780	1	692		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 SANTA MARIA PUBLIC/CAPTAIN G. ALLAN HANCOCK FIELD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, AND INCREASE VISIBILITY LNAV AND SEE 8260-10												
CITY AND STATE		ELEVATION: 88 TDZE: 88		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
LOMPOC, CA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 25, AMDT 1			AMDT: ORIG			
		LOMPOC				07 MAY 2009			DATED 01/20/2005			

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

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NOTES CONT.**CIRCLING CAT B 1/4 MILE.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GVO VORTAC VIA V27 SOUTHEAST BOUND.****CHART NOTE: VDP NA WHEN USING SANTA MARIA PUBLIC/CAPTAIN G. ALLAN HANCOCK FIELD ALTIMETER SETTING.**

CITY AND STATE

LOMPOC, CA

ELEVATION: 88

TDZE: 88

AIRPORT NAME:

LOMPOC

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 25, AMDT 1

07 MAY 2009

SUP:

AMDT: ORIG

DATED: 01/20/2005

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

ELEVATION: 88 TDZE: 88
AIRPORT NAME:
LOMPOC

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 25, AMDT 1
07 MAY 2009

SUP:	
AMDT:	ORIG
DATED:	01/20/2005

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	GVO	GVO	010	IAF	IF		FB				
	GVO	AFOXY	011		TF		FB	1.0	307.8(323T)	005.8	04400
	GVO	LIVAQ	020		TF		FB	1.0	308.5(324T)	004.0	03300
	LIVAQ	LIVAQ	010		HF	L	FB		256.1(271T)	004.0	03300
		LIVAQ	010	FACF	IF		FB				03300
		AGIYU	011	SDF	TF		FB	0.5	256.1(271T)	003.9	03000
		PILCU	020	FAF	TF		FB	0.5	256.1(271T)	002.0	02700
		CIKLO	021	SDF	TF		FB	0.3	256.0(271T)	003.5	0132001328
		RW25	030	MAP	TF		FO	0.3	256.0(271T)	003.0	00128

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	LIVAQ	040		DF	R	FO	1.0			03300
	LIVAQ	050		HM	L	FO	2.0	256.1(271T)	004.0	03300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GVO	N343152.66	W1200527.92	N3431.878	W12005.465
	AFOXY	N343631.26	W1200943.67	N3436.521	W12009.728
	AGIYU	N343946.86	W1201717.30	N3439.781	W12017.288
	CIKLO	N343952.77	W1202357.29	N3439.880	W12023.955
	LIVAQ	N343942.46	W1201235.12	N3439.708	W12012.585
	PILCU	N343949.05	W1201942.75	N3439.818	W12019.713
	RW25	N343955.85	W1202735.48	N3439.931	W12027.591

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25	00088	40

CITY AND STATE
LOMPOC, CA

ELEVATION: 88 TDZE: 88
AIRPORT NAME:
LOMPOC

**FACILITY
IDENTIFIER:**
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 25, AMDT 1
07 MAY 2009

SUP:
AMDT: ORIG
DATED: 01/20/2005

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 13, 21, 31, STANDARD

RWY 3, 400 - 2 1/4 OR STANDARD WITH A MINIMUM CLIMB OF 272 FEET PER NM TO 600.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 3, TOWER 1.78 NM FROM DER, 2,631' LEFT OF CENTERLINE, 310' AGL/382' MSL. SIGN AND TREES BEGINNING 187' FROM DER, 259' LEFT OF CENTERLINE, UP TO 72' AGL/150' MSL. POLES AND TREES BEGINNING 62' FROM DER, 209' RIGHT OF CENTERLINE, UP TO 63' AGL/96' MSL. BLAST FENCE 78' FROM DER, ON CENTERLINE, 11' AGL/85' MSL. VEHICLE ON ROAD 176' FROM DER, 2' LEFT TO RIGHT OF CENTERLINE, 17' AGL/96' MSL.

NOTE: RWY 13, TREES BEGINNING 265' FROM DER, 365' LEFT OF CENTERLINE, UP TO 86' AGL/150' MSL. TREES BEGINNING 181' FROM DER, 370' RIGHT OF CENTERLINE, UP TO 76' AGL/140' MSL. VEHICLE ON ROAD 237' FROM DER 548' RIGHT TO LEFT OF CENTERLINE 15' AGL/80' MSL.
(CONT'D)

(4) CONTROLLING OBSTACLES:

RWY 3: 382 MSL TOWER, 285121.00N-0814725.00W.

(5) City, State

LEESBURG, FL

(6) Airport

LEESBURG INTL

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

3

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

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

(3) TAKEOFF OBSTACLE NOTES: CONT'D

NOTE: RWY 21, TREE 3,614' FROM DER, 126' RIGHT OF CENTERLINE, 109' AGL/82' MSL. TREES BEGINNING 776' FROM DER, 202' LEFT OF CENTERLINE, UP TO 115' AGL/179' MSL. VEHICLE ON ROAD 75' FROM DER, 390' LEFT OF CENTERLINE, 15' AGL/82' MSL.
NOTE: RWY 31, POLES AND TREES BEGINNING 62' FROM DER, 265' LEFT OF CENTERLINE, UP TO 70' AGL/159' MSL. POLES AND TREES BEGINNING 532' FROM DER, 104' RIGHT OF CENTERLINE, UP TO 100' AGL/204' MSL. VEHICLE ON ROAD 822' FROM DER, 682' RIGHT TO LEFT OF CENTERLINE, 17' AGL/101' MSL. BUILDING 1,791' FROM DER, 85' RIGHT OF CENTERLINE, 36' AGL/125' MSL.

City, State LEESBURG, FL		Airport LEESBURG INTL		Effective Date 07 MAY 2009		Amdt. No. 3		
DP Name		Number	DP Computer Code	Superseded Number	Dated		Effective Date	

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 10, 28 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 10, TREES BEGINNING 264' FROM DER, 561' LEFT OF CENTERLINE, UP TO 100' AGL/229' MSL. TREES BEGINNING 490' FROM DER, 13' RIGHT OF CENTERLINE, UP TO 100' AGL/239' MSL.

NOTE: RWY 28, TREES BEGINNING 50' FROM DER, 278' RIGHT OF CENTERLINE, UP TO 100' AGL/254' MSL. TREES BEGINNING 515' FROM DER, 15' LEFT OF CENTERLINE, UP TO 100' AGL/249' MSL. TRAIN ON RAILROAD TRACKS, 380' FROM DER, 547' LEFT OF CENTERLINE, UP TO 23' AGL/172' MSL. VEHICLES ON ROADWAY, 266' FROM DER, 137' LEFT OF CENTERLINE, UP TO 15' AGL/169' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

PLANT CITY, FL.

(6) Airport

PLANT CITY

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

ORIG

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
PIE VORTAC	MERRA/I-JRT 14.19 DME/RADAR	023.61 / 19.09	4000*	ILS: DA LOC: 5.94 MILES AFTER CITPA/I-JRT 7.91 DME/RADAR OR AT I-JRT 1.97 DME FIX CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3000 DIRECT PIE VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000 (TACAN AIRCRAFT CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 4000 DIRECT PIE VORTAC THEN VIA PIE VORTAC R-270 TO LAFAL INT/PIE 8.00 DME AND HOLD W, RT, 090.00 INBOUND); OR WHEN DIRECTED BY ATC, CLIMB TO 3000 VIA SRQ VORTAC R-004 TO CARIR INT/SRQ 16.76 DME AND HOLD S, RT, 004.35 INBOUND. ADDITIONAL FLIGHT DATA: HOLD W, RT, 090.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD S CARIR INT/SRQ 16.76 DME, RT, 004.35 INBOUND. CHART FAS OBST: 190 TOWER 280356N/0823226W CHART 242 TOWER 280534N/0823225W. CHART VDP AT 3.06 DME; DISTANCE VDP TO THLD 1.09 MILES. CHART IN PLANVIEW: CARIR INT/SRQ 16.76 DME. CHART LOC RWY 18L											
MERRA/I-JRT 14.19 DME/RADAR (IF/IAF)	FADDI/I-JRT 11.05 DME/RADAR	183.73 / 3.14 (I-JRT)	3000*												
FADDI/I-JRT 11.05 DME/RADAR	CITPA/I-JRT 7.91 DME/RADAR	183.73 / 3.14 (I-JRT)	2000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N MERRA, RT, 183.73 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>183.73</u> FAF: <u>CITPA/I-JRT 7.91 DME/RADAR</u> DIST FAF TO MAP: <u>5.94</u> THLD: <u>5.94</u> 4. MIN. ALT: <u>MERRA 4000*, FADDI 3000*, CITPA 2000</u> 5. DIST TO THLD FROM OM: <u>-</u> MM: <u>0.42</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1052</u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>CITPA/I-JRT 7.91 DME/RADAR 2000</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.6</u> 8. MSA FROM: <u>PIE VORTAC 2700</u>				MAG VAR: 2W EPOCH YEAR: 1985											
MINIMUMS															
TAKEOFF: <u> </u>		STANDARD ☒ X SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: <u>N A</u>		ILS: STANDARD # <u> </u>		LOC: STANDARD @ <u> </u>							
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 18R	221	1800	200	221	1800	200	221	1800	200	221	1800	200	221	2400	200
S-LOC 18R	440	2400	419	440	2400	419	440	4000	419	440	4000	419	440	5000	419
CIRCLING	560	1	534	560	1	534	560	1 1/2	534	580	2	554	940	3	914
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 18R ALL CATS VISIBILITY TO RVR 4000 AND S-LOC 18R CAT E VISIBILITY TO 1 1/2 MILE. # CAT E 1000-3 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 18L. @ CAT E 1000-3 CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. SEE 8260-10															
CITY AND STATE				ELEVATION: 26 TDZE: 21		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
TAMPA, FL				AIRPORT NAME:		I-JRT		ILS OR LOC RWY 18R, AMDT 4A				AMDT: 4			
				TAMPA INTL				07 MAY 2009				DATED 07/31/2008			

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC INTERCEPT GLIDEPATH AT 3000 OR 4000.

CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

*2000 WHEN ASSIGNED BY ATC.

CITY AND STATE

TAMPA, FL

ELEVATION: 26 TDZE: 21

AIRPORT NAME:

TAMPA INTL

FACILITY
IDENTIFIER:

I-JRT

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 18R, AMDT 4A

07 MAY 2009

SUP:

AMDT:

4

DATED: 07/31/2008

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 17, STANDARD.

RWY 35, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 276 FEET PER NM TO 1400.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 35 - CLIMB HEADING 347.83 TO 1800 BEFORE TURNING EAST.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, TREES BEGINNING 261' FROM DER, 433' RIGHT OF CENTERLINE, UP TO 100' AGL/1219' MSL. TREES BEGINNING 301' FROM DER, 449' LEFT OF CENTERLINE, UP TO 100' AGL/1199' MSL.

NOTE: RWY 35 - TREES BEGINNING 123' FROM DER, 3' LEFT OF CENTERLINE, UP TO 100' AGL/1283' MSL. TREES BEGINNING 1189' FROM DER, 127' RIGHT OF CENTERLINE, UP TO 100' AGL/1283' MSL. VEHICLE ON ROAD 2489' FROM DER, 477' LEFT OF CENTERLINE, 17' AGL/1235' MSL.

(4) CONTROLLING OBSTACLES:

RWY 35: 1324 MSL TREE 333904.64N/0850931.04W, 1652 MSL TOWER 334129.23N/0850831.75W

(5) City, State CARROLLTON, GA	(6) Airport WEST GEORGIA REGIONAL - O V GRAY FIELD	(7) Effective Date 07 MAY 2009	(8) Amdt. No. ORIG
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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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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW18 CLIMB TO 2000 DIRECT CASRU AND VIA 107.30 TRACK TO MOGAN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 125.85 INBOUND. FAS OBST: 264 AAO 305920N/0921338W BENZ TO RW18: 3.04/40.
MAXON	AGIZU (FB)	009.49 / 45.34	1700	
FISTY	AUGHT (FB)	288.21 / 28.24	1700	
AGIZU (IAF)	JEBTA (NOPT) (FB)	088.83 / 5.00	1700	
AUGHT (IAF)	JEBTA (NOPT) (FB)	268.93 / 5.00	1700	
JEBTA (IF/IAF)	BENZZ (FB)	178.88 / 6.04	1700	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N JEBTA, RT, 178.88 INBOUND, 1700 FT. IN LIEU OF PT (IAF)
- FAC: 178.88 FAF: BENZZ DIST FAF TO MAP: 4.96 THLD: 4.96
- MIN. ALT: JEBTA 1700, BENZZ 1700
- 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: RW18 2800

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	
LNAV MDA	600	1	540	600	1	540		NA			NA					
CIRCLING	600	1	538	600	1	538		NA			NA					

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAXON VIA V222 SOUTHWEST BOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FISTY VIA V566 EAST BOUND.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 SEE 8260-10

CITY AND STATE BUNKIE, LA	ELEVATION: 62 TDZE: 60 AIRPORT NAME: BUNKIE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

CHART NOTE: USE ALEXANDRIA INTL ALTIMETER SETTING; WHEN NOT RECEIVED, USE ESRLER REGIONAL ALTIMETER SETTING.

CITY AND STATE

BUNKIE, LA

ELEVATION: 62 TDZE: 60

AIRPORT NAME:

BUNKIE MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

QUALITY
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CHECKED

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 2R6 K4FR18	AFISTY 010FISTYK4EA0E	IF							18000			B JS	
SUSAP 2R6 K4FR18	AFISTY 020AUGHTK4EA0E	A 020TF				28820282		+ 01700				B JS	
SUSAP 2R6 K4FR18	AFISTY 030JEBTAK4EA0EE	010TF				26890050		+ 01700				B JS	
SUSAP 2R6 K4FR18	AJEBTA 010JEBTAK4EA0EE	CR HF				17890040		+ 01700		18000		B JS	
SUSAP 2R6 K4FR18	AMAXON 010MAXONK4EA0E	IF								18000		B JS	
SUSAP 2R6 K4FR18	AMAXON 020AGIZUK4EA0E	A 020TF				00950453		+ 01700				B JS	
SUSAP 2R6 K4FR18	AMAXON 030JEBTAK4EA0EE	010TF				08880050		+ 01700				B JS	
SUSAP 2R6 K4FR18	R	010JEBTAK4EA0E	I	IF				+ 01700		18000		B JS	
SUSAP 2R6 K4FR18	R	020BENZK4EA1E	F	051TF		17890060		+ 01700			RW18	K4PGB JS	
SUSAP 2R6 K4FR18	R	020BENZK4EA2WN			N		ALNAV					JS	
SUSAP 2R6 K4FR18	R	030RW18	K4PGOGY	M	031TF	17890050			00099		-304	B JS	
SUSAP 2R6 K4FR18	R	040CASRUK4EA0E	M	010DF								B JS	
SUSAP 2R6 K4FR18	R	050MOGANK4EA0EY		010TF		1073		+ 02000				B JS	
SUSAP 2R6 K4FR18	R	060MOGANK4EA0EE	HR020HM			12590040		+ 02000				B JS	

[illegible]

CITY AND STATE BUNKIE, LA	ELEVATION: 62 TDZE: 60 AIRPORT NAME: BUNKIE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED:
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QUALITY
2
CHECKED

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

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

SUSAP 2R6 K4SRW18 K4PG	0					18018002825					M			

CITY AND STATE
BUNKIE, LA

ELEVATION: 62 TDZE: 60
AIRPORT NAME:
BUNKIE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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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
	FISTY	FISTY	010		IF		FB				
	FISTY	AUGHT	020	IAP	TF		FB	2.0	288.2 (289T)	028.2	01700
	FISTY	JEBTA	030		TF		FB	1.0	268.9 (270T)	005.0	01700
	JEBTA	JEBTA	010		HF	R	FB		178.9 (180T)	004.0	01700
	MAXON	MAXON	010		IF		FB				
	MAXON	AGIZU	020	IAP	TF		FB	2.0	009.5 (011T)	045.3	01700
	MAXON	JEBTA	030		TF		FB	1.0	088.8 (090T)	005.0	01700
		JEBTA	010	FACF	IF		FB				01700
		BENZZ	020	PAF	TF		FB	0.5	178.9 (180T)	006.0	01700
		RW18	030	MAP	TF		FO	0.3	178.9 (180T)	005.0	00099

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CASRU	040		DF		FB	1.0			
	MOGAN	050		TF		FO	1.0	107.3 (108T)		02000
	MOGAN	060		HM	R	FO	2.0	125.9 (127T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGIZU	N310839.86	W0921953.94	N3108.664	W09219.899
	AUGHT	N310841.12	W0920814.78	N3108.685	W09208.246
	BENZZ	N310237.36	W0921403.48	N3102.623	W09214.058
	CASRU	N305338.60	W0921402.17	N3053.643	W09214.036
	FISTY	N305926.18	W0913710.29	N3059.436	W09137.172
	JEBTA	N310840.62	W0921404.36	N3108.677	W09214.073
	MAXON	N302359.40	W0922931.27	N3023.990	W09229.521
	MOGAN	N304405.42	W0914050.31	N3044.090	W09140.839
	RW18	N305739.14	W0921402.75	N3057.652	W09214.046

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW18	00059		40

CITY AND STATE
BUNKIE, LA

ELEVATION: 62 TDZE: 60
 AIRPORT NAME:
 BUNKIE MUNI

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 18, ORIG
 07 MAY 2009

SUP:
 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.

TERMINAL ROUTES							MISSED APPROACH										
FROM			TO			COURSE AND DISTANCE	ALTITUDE										
MAXON			PORZI (FB)			019.73 / 23.61	1700	LNAV: RW36 CLIMB TO 4000 DIRECT CIVEK AND RIGHT TURN VIA 093.76 TRACK TO FISTY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 288.11 INBOUND. FAB OBST: 254 AAO 305530N/0921354W CHART 338 TOWER 305206N/0921234W FABER TO RW36: 3.04/40.									
FISTY			QUATO (FB)			242.72 / 29.63	1700										
PORZI (IAF)			LOVEU (NOPT) (FB)			088.83 / 5.00	1700										
QUATO (IAF)			LOVEU (NOPT) (FB)			268.93 / 5.00	1700										
LOVEU (IF/IAF)			FARER (FB)			358.88 / 6.04	1700										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S LOVEU, RT, 358.88 INBOUND, 1700 FT. IN LIEU OF PT (IAF) 3. FAC: 358.88 FAF: FARER _____ DIST FAF TO MAP: 4.96 THLD: 4.96 4. MIN. ALT: LOVEU 1700, FARER 1700 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW36 2800																	
MAG VAR: 1E 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		580	1	520	580	1	520		NA			NA					
CIRCLING		580	1	518	580	1	518		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 MAXON VIA V222 SOUTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FISTY VIA V566 EAST BOUND. <u>SEE 8260-10</u>																	
CITY AND STATE				ELEVATION: 62 TDZE: 60				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
BUNKIE, LA				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 36, ORIG				AMDT: NONE	
				BUNKIE MUNI								07 MAY 2009				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 PROFILE NOTE: VGSi AND DESCENT ANGLES NOT COINCIDENT.

CHART NOTE: USE ALEXANDRIA INTL ALTIMETER SETTING; WHEN NOT RECEIVED, USE ESLER REGIONAL ALTIMETER SETTING.

CITY AND STATE

BUNKIE, LA

ELEVATION: 62 TDZE: 60

AIRPORT NAME:

BUNKIE MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 38, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

QUALITY
CHECKED

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 2R6 K4FR36	AFISTY 010FISTYK4EA0E	IF								18000		B JS	
SUSAP 2R6 K4FR36	AFISTY 020QUATOK4EA0E	A 020TF				24270298		+ 01700				B JS	
SUSAP 2R6 K4FR36	AFISTY 030LOVEUK4EA0EE	010TF				26890050		+ 01700				B JS	
SUSAP 2R6 K4FR36	ALOVEU 010LOVEUK4EA0EE	CR HF				35890040		+ 01700		18000		B JS	
SUSAP 2R6 K4FR36	AMAXON 010MAXONK4EA0E	IF								18000		B JS	
SUSAP 2R6 K4FR36	AMAXON 020PORZIK4EA0E	A 020TF				01970236		+ 01700				B JS	
SUSAP 2R6 K4FR36	AMAXON 030LOVEUK4EA0EE	010TF				08880050		+ 01700				B JS	
SUSAP 2R6 K4FR36	R 010LOVEUK4EA0E	I IF						+ 01700		18000		B JS	
SUSAP 2R6 K4FR36	R 020FARERK4EA1E	F 051TF				35890060		+ 01700			RW36	K4PGB JS	
SUSAP 2R6 K4FR36	R 020FARERK4EA2WN		N		ALNAV							JS	
SUSAP 2R6 K4FR36	R 030RW36 K4PGOGY	M 031TF				35890050			00099		-304	B JS	
SUSAP 2R6 K4FR36	R 040CIVEKK4EA0E	M 010DF										B JS	
SUSAP 2R6 K4FR36	R 050FISTYK4EA0EY	R010TFY				0938		+ 04000				B JS	
SUSAP 2R6 K4FR36	R 060FISTYK4EA0EE	HR020HM				28810040		+ 04000				B JS	

[illegible]

CITY AND STATE BUNKIE, LA	ELEVATION: 62 TDZE: 60 AIRPORT NAME: BUNKIE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

QUALITY
2
CHECKED

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

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

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

SUSAP 2R6 K4SRW36 K4PG	0 18018002825										M		

CITY AND STATE
BUNKIE, LA

ELEVATION: 62 TDZE: 60
AIRPORT NAME:
BUNKIE MUNI

FACILITY
IDENTIFIER:
RNAV

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

SUP:
AMDT: NONE
DATED:

QUALITY
CHECKED

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in 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
	FISTY	FISTY	010		IF		FB				
	FISTY	QUATO	020	IAF	TF		FB	2.0	242.7 (244T)	029.8	01700
	FISTY	LOVEU	030		TF		FB	1.0	268.9 (270T)	005.0	01700
	LOVEU	LOVEU	010		HF	R	FB		358.9 (360T)	004.0	01700
	MAXON	MAXON	010		IF		FB				
	MAXON	PORZI	020	IAF	TF		FB	2.0	019.7 (021T)	023.6	01700
	MAXON	LOVEU	030		TF		FB	1.0	088.8 (090T)	005.0	01700
		LOVEU	010	FACF	IF		FB				01700
		FARER	020	PAF	TF		FB	0.5	358.9 (360T)	006.0	01700
		RW36	030	MAP	TF		FO	0.3	358.9 (360T)	005.0	00099

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CIVEK	040		DF		FB	1.0			
	FISTY	050		TF	R	FO	1.0	093.8 (095T)		04000
	FISTY	060		HM	R	FO	2.0	288.1 (289T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIVEK	N310210.08	W0921403.41	N3102.168	W09214.057
	FARER	N305211.18	W0921401.96	N3052.186	W09214.033
	FISTY	N305926.18	W0913710.29	N3059.436	W09137.172
	LOVEU	N304607.90	W0921401.08	N3046.132	W09214.018
	MAXON	N302359.40	W0922931.27	N3023.990	W09229.521
	PORZI	N304607.14	W0921949.29	N3046.119	W09219.822
	QUATO	N304608.40	W0920812.86	N3046.140	W09208.214
	RW36	N305709.40	W0921402.68	N3057.157	W09214.045

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW36	00059	40

CITY AND STATE BUNKIE, LA	ELEVATION: 62 TDZE: 60	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO/EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 07 MAY 2009	SUP:
	AIRPORT NAME: BUNKIE MUNI			AMDT: NONE
				DATED: 07 MAY 2009

QUALITY
CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 18, 36 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 18, TREES 1,404' FROM DER, 506' RIGHT OF CENTERLINE, 50' AGL/109' MSL. VEHICLE ON ROAD 481' FROM DER, 28' RIGHT OF CENTERLINE, 15' AGL/74' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

BUNKIE, LA

(6) Airport

BUNKIE MUNI

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

ORIG

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

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

TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: MAFDY/22.42 DME FIX								
AEX VORTAC (IAF)	JELBI/8.80 DME	139.50 / 8.80	1700	CLIMB TO 3000 VIA AEX R-140 AND AEX 27.87 DME ARC TO MIKLE INT/27.87 DME AND HOLD.								
JELBI/8.80 DME (IF)	COCDO/17.80 DME	139.50 / 9.00 (AEX R-140)	1800									
				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 303.23 INBOUND. FAS OBST: 274 AAO 310018N/0921524W FAC CROSSES MID POINT OF RWY 18/36.								
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT AEX VORTAC 3. FAC <u>139.50</u> FAF <u>COCDO/17.80 DME</u> DIST FAF TO MAP <u> </u> - <u> </u> THLD 4. MIN. ALT <u>AEX VORTAC 2000, JELBI 1700, COCDO 1600</u> 8. MSA FROM: <u>AEX VORTAC 2800</u>				MAG VAR: 3E 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			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	880	1	818	880	1 1/4	818		NA			NA	
NOTES: CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT AEX VORTAC ON AIRWAY RADIALS 085 CW 123. CHART NOTE: USE ALEXANDRIA INTL. ALTIMETER SETTING; WHEN NOT RECEIVED, USE ESLER REGIONAL ALTIMETER SETTING.												
CITY AND STATE			ELEVATION: 62 TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP VOR/DME OR GPS		
BUNKIE, LA			AIRPORT NAME:		AEX		VOR/DME-A, AMDT 8			A		
			BUNKIE MUNI				07 MAY 2009			AMDT 5A		
										DATE 12/28/2000		

QUALITY
2
SERVICES

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:

[illegible]

2.

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

4. MIN. ALT

8. MSA FROM:

MAG VAR:

EPOCH YEAR:

[illegible]

NOTES:

PROCEDURE CANCELED EFFECTIVE 07 MAY 2009

CITY AND STATE FRYEBURG, ME	ELEVATION: 454 TDZE: 447 AIRPORT NAME: EASTERN SLOPES REGIONAL	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 32, ORIG, 11/23/2006	SUP	
				AMDT	NONE
				DATE	

QUALITY

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		
SERPA (IF/IAF)	ANDRU (FB)	323.66 / 6.32	3100	LNAV: RW32	
ANDRU	HIRMN (FB)	323.60 / 3.15	2200	CLIMBING LEFT TURN TO 3600 DIRECT SERPA AND HOLD.	
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1339 TREE 435710N/0705502W HIRMN TO RW32: 3.04/30.	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE SERPA, LT, 323.66 INBOUND, 3600 FT. IN LIEU OF PT (IAF)
- FAC: 323.56 FAF: HIRMN DIST FAF TO MAP: 5.42 THLD: 5.42
- MIN. ALT: SERPA 3600, ANDRU 3100, HIRMN 2200
- 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: RW32 7500

MAG VAR: 17W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM	8260-15A	FOR THIS AIRPORT	ALTERNATE: N A			@						
CATEGORY ==>		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA		1480	1 1/4	1033	1480	1 1/2	1033	1480	3	1033		NA				
CIRCLING		1480	1 1/4	1026	1480	1 1/2	1026	1480	3	1026		NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT SERPA ON V3-39.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 SEE 8260-10

@ CAT A, B 1100-2, CAT C 1100-3
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE FRYEBURG, ME	ELEVATION: 454 TDZE: 447 AIRPORT NAME: EASTERN SLOPES REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED
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**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 AUBURN/LEWISTON ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET.

CITY AND STATE

FRYEBURG, ME

ELEVATION: 454 TDZE: 447

AIRPORT NAME:

EASTERN SLOPES REGIONAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

QUALITY
5
CHECKED

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

[illegible]

SUP:	
AMDT:	NONE
DATED:	2000

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
	SERPA	SERPA	010		HF	L	FB		323.7 (307T)	004.0	03600
		SERPA	010	FACF	IF		FB				
		ANDRU	011	SDF	TF		FB	0.5	323.7 (307T)	006.3	03100
		HIRMN	020	FAF	TF		FB	0.5	323.6 (307T)	003.2	02200
		RW32	030	MAP	TF		FO	0.3	323.6 (307T)	005.4	00450

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SERPA	040		DF	L	FO	1.0			03600
	SERPA	050		HM	L	FO	2.0	323.7 (307T)	004.0	03600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANDRU	N435409.58	W0704657.45	N4354.160	W07046.958
	HIRMN	N435602.40	W0705027.76	N4356.040	W07050.463
	SERPA	N435023.48	W0703956.87	N4350.391	W07039.948
	RW32	N435915.79	W0705629.25	N4359.263	W07056.488

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	00420	30

CITY AND STATE
 FRYEBURG, ME

ELEVATION: 454 TDZE: 447
 AIRPORT NAME:
 EASTERN SLOPES REGIONAL

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 32, ORIG
 07 MAY 2009

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	
				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 07 MAY 2009

CITY AND STATE SAGINAW, MI	ELEVATION: 601 TDZE: 600	FACILITY IDENTIFIER: HYX	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 27, ORIG-A, 02/22/1997	SUP
	AIRPORT NAME: SAGINAW COUNTY H.W. BROWNE			AMDT ORIG
	DATE 04/09/1987			

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	LPV: DA LNAV/VNAV: DA LNAV: RW34 CLIMB TO 3300 DIRECT KRINK AND VIA 293.54 TRACK TO CUCAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 124.75 INBOUND. CHART FAS OBST: 1314 TREE 462339N/0940721W CHART FAS OBST: 1339 PWRLINE 462201N/0940717W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.01 MILES TO RW34* *LNAV ONLY. WAAS CHANNEL # 70711 REFERENCE PATH ID: W34A CHART: R-4301.											
AXN VOR/DME	COMIN (FB)	069.30 / 46.93	3000												
LINDR	DRAWG (FB)	279.97 / 21.39	3000												
COMIN (IAF)	AFUNI (NOPT) (FB)	069.64 / 5.00	3000												
DRAWG (IAF)	AFUNI (NOPT) (FB)	249.80 / 5.00	3000												
AFUNI (IF/IAF)	NUYBI (FB)	339.72 / 6.17	3000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD <u>S</u> AFUNI, RT, 339.72 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>339.69</u> FAF: <u>NUYBI</u> DIST FAF TO MAP: <u>5.33</u> THLD: <u>5.33</u> 4. MIN. ALT: <u>AFUNI 3000, NUYBI 3000</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>3000</u> GS ALT AT: <u>NUYBI</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>46.4</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW34 3100</u>				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
LPV DA	1432	1/2	200	1432	1/2	200	1432	1/2	200	1432	1/2	200			
LNAV/VNAV DA	1584	3/4	352	1584	3/4	352	1584	3/4	352	1584	3/4	352			
LNAV MDA	1600	1/2	368	1600	1/2	368	1600	1/2	368	1600	1	368			
CIRCLING	1760	1	528	1760	1	528	1760	1 1/2	528	1800	2	568			
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY TO 1 1/4 MILE. CHART NOTE: BARO-VNAV NA WHEN USING AITKIN 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. SEE 8260-10															
CITY AND STATE		ELEVATION: 1232 TDZE: 1232		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
BRAINERD, MN		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 34, ORIG				AMDT: NONE					
		BRAINERD LAKES RGNL				07 MAY 2009				DATED					

 QUALITY
8
CHECK

**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 LINDR VIA V55 SOUTHEAST BOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AITKIN ALTIMETER SETTING AND INCREASE ALL DA 52 FEET AND ALL MDA 60 FEET, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C AND D VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING AITKIN ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING AITKIN ALTIMETER SETTING, INCREASE LNAV CAT D VISIBILITY TO 1 1/2 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON AXN VOR/DME AIRWAY RADIALS 103 CW 114.

CITY AND STATE

BRAINERD, MN

ELEVATION: 1232 TDZE: 1232

AIRPORT NAME:

BRAINERD LAKES RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO / AMDT NO / EFFECTIVE DATE:

RNAV (GPS) RWY 34, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KBRD
RUNWAY RW34
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W34A
REFERENCE PATH IDENTIFIER (APPROACH ID) 482355.9110N
LTP/FTP LATITUDE 0940739.4875W
LTP/FTP LONGITUDE +03482
LTP/FTP ELLIPSOIDAL HEIGHT 462503.1100N
FPAP LATITUDE 0940809.8400W
FPAP LONGITUDE 00046.4
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0192
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 35.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

4B009FDD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +03756
FPAP ORTHOMETRIC HEIGHT +03756

CITY AND STATE

BRAINERD, MN

ELEVATION: 1232 TDZE: 1232

AIRPORT NAME:

BRAINERD LAKES RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

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

[illegible]

CITY AND STATE BRAINERD, MN	ELEVATION: 1232 TDZE: 1232 AIRPORT NAME: BRAINERD LAKES RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3	
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012													

SUSAP KBRDK3GRW34	0065003397	N46235591W094073950-0100	+0348201232000046150I											

PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012													

SUSAP KBRDK3PR34	RW34	001	0000W34A0N4623559110W09407394975+034820300N4625031100W09408098400106750192000464F4003504B009FDD											
SUSAP KBRDK3PR34	RW34	002E	+03756+03756LPV	70711	000									

MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012													

SUSAP KBRDK3SRW34	K3PG	0	18018003125	M										

CITY AND STATE

BRAINERD, MN

ELEVATION: 1232 TDZE: 1232

AIRPORT NAME:

BRAINERD LAKES RGNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AFUNI	AFUNI	010		HP	R	FB		339.7 (343T)	004.0	03000
	AXN	AXN	010		IF		FB				
	AXN	COMIN	020		TF		FB	2.0	069.3 (072T)	046.9	03000
	AXN	AFUNI	030		TF		FB	1.0	069.6 (073T)	005.0	03000
	LINDR	LINDR	010		IF		FB				
	LINDR	DRAWG	020		TF		FB	2.0	280.0 (283T)	021.4	03000
	LINDR	AFUNI	030		TF		FB	1.0	249.8 (253T)	005.0	03000
		AFUNI	010	FACF	IF		FB				03000
		NUYBI	020	FAF	TF		FB	0.5	339.7 (343T)	006.2	03000
		RW34	030	MAP	TF		FO	0.3	339.7 (343T)	005.3	01278

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KRINK	040		DF		FB	1.0			
	CUCAC	050		TF		FO	1.0	293.5 (297T)		03300
	CUCAC	060		HM	R	FO	2.0	124.8 (128T)	005.0	03300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AXN	N455730.20	W0951357.47	N4557.503	W09513.958
	AFUNI	N461257.38	W0940243.35	N4612.956	W09402.723
	COMIN	N461128.09	W0940935.69	N4611.468	W09409.595
	CUCAC	N463346.47	W0942545.23	N4633.775	W09425.754
	DRAWG	N461426.26	W0935550.64	N4614.438	W09355.844
	KRINK	N462813.53	W0940935.93	N4628.226	W09409.599
	LINDR	N460942.34	W0932548.75	N4609.706	W09325.813
	NUYBI	N461850.92	W0940522.08	N4618.849	W09405.368
	RW34	N462355.91	W0940739.50	N4623.932	W09407.658

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW34	01232		46

CITY AND STATE
 BRAINERD, MN

ELEVATION: 1232 TDZE: 1232
 AIRPORT NAME:
 BRAINERD LAKES RGML

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 34, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

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

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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 07 MAY 2009

CITY AND STATE GRAND MARAIS, MN	ELEVATION: 1799 TDZE: 1797 AIRPORT NAME: GRAND MARAIS/COOK COUNTY	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: GPS RWY 27, ORIG	SUP AMDT NONE DATE
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QUALITY CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
MECNU (IAF)	WIFHY (FB)	185.91 / 6.13	5000	LNAV: RW27
WIFHY (IF)	TUMDE (FB)	275.90 / 6.15	3400	
				CLIMB TO 9000 DIRECT SHERM AND VIA 185.61 TRACK TO DXTRR AND HOLD, CONTINUE CLIMB IN HOLD TO 9000.
				ADDITIONAL FLIGHT DATA: HOLD SW, RT, 054.25 INBOUND. CHART FAS OBST: 1979 TREE 475033N/0902040W CHART P-204, P-206, R-4305. TUMDE TO RW27: 3.04/42. 2079 AAO 475003N/0901618W

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT WIFHY
- FAC: 275.79 FAF: TUMDE DIST FAF TO MAP: 4.85 THLD: 4.85
- MIN. ALT: WIFHY 5000, TUMDE 3400
- 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: RW27 3600

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	2240	1	443	2240	1	443	2240	1 1/4	443			NA				
CIRCLING	2340	1	541	2340	1	541	2340	1 1/2	541			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 MECNU VIA V13 NORTHEAST BOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ELY ALTIMETER SETTING AND INCREASE ALL
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE GRAND MARAIS, MN	ELEVATION: 1799 TDZE: 1797	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG 07 MAY 2009	SUP:
	AIRPORT NAME: GRAND MARAIS/COOK COUNTY			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.

MDA 200 FEET, INCREASE LNAV CAT C VISIBILITY 1/2 MILE, CIRCLING CAT B VISIBILITY 1/4 MILE, AND
CIRCLING CAT C VISIBILITY 3/4 MILE.

CITY AND STATE

GRAND MARAIS, MN

ELEVATION: 1799 TDZE: 1797

AIRPORT NAME:

GRAND MARAIS/COOK COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KCKCK3FR27	AMECNU	010MECNUK3EA0E	A	IF					18000			B JS	
SUSAP KCKCK3FR27	AMECNU	020WIHFYK3EA0EE	010TF			18590061	+	05000				B JS	
SUSAP KCKCK3FR27	R	010WIHFYK3EA0E	I	IF				+	05000	18000		B JS	
SUSAP KCKCK3FR27	R	020TUMDEK3EA1E	F	051TF		27590062	+	03400			RW27	K3PGB	JS
SUSAP KCKCK3FR27	R	020TUMDEK3EA2WN			N	ALNAV							JS
SUSAP KCKCK3FR27	R	030RW27 K3PGOGY	M	031TF		27580049		01836		-304		B JS	
SUSAP KCKCK3FR27	R	040SHERMK3EA0E	M	010DF								B JS	
SUSAP KCKCK3FR27	R	050DXTRRK3EA0EY	010TF			1856	+	09000				B JS	
SUSAP KCKCK3FR27	R	060DXTRRK3EA0EE	HR020HM			05430060	+	09000				B JS	

[illegible]

CITY AND STATE GRAND MARAIS, MN	ELEVATION: 1799 TDZE: 1797 AIRPORT NAME: GRAND MARAIS/COOK COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	MECNU	MECNU	010	IAF	IF		FB				
	MECNU	WIHFY	020		TF		FB	1.0	185.9 (185T)	006.1	05000
		WIHFY	010	FACF	IF		FB				05000
		TUMDE	020	PAF	TF		FB	0.5	275.9 (275T)	006.2	03400
		RW27	030	MAP	TF		FO	0.3	275.8 (275T)	004.9	01836

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SHERM	040		DF		FB	1.0			
	DXTRR	050		TF		FO	1.0	185.6 (185T)		09000
	DXTRR	060		HM	R	FO	2.0	054.3 (053T)	006.0	09000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DXTRR	N474221.65	W0903051.47	N4742.361	W09030.858
	MECNU	N475527.47	W0900525.10	N4755.458	W09005.418
	SHERM	N475040.66	W0902951.83	N4750.678	W09029.864
	TUMDE	N474952.30	W0901517.88	N4749.872	W09015.298
	WIHFY	N474921.13	W0900611.83	N4749.352	W09006.197
	RW27	N475016.33	W0902227.95	N4750.272	W09022.466

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW27	01794		42

CITY AND STATE
 GRAND MARAIS, MN

ELEVATION: 1799 TDZE: 1797
 AIRPORT NAME:
 GRAND MARAIS/COOK COUNTY

FACILITY
 IDENTIFIER:
 RNAV

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

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 16, 34 STANDARD.

RWY 4, 10, 22, 28 NA - ENVIRONMENTAL

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 16, TREE 1,655' FROM DER, 899' LEFT OF CENTERLINE, 51' AGL/1,410' MSL. TREE 3,236' FROM DER, 1,130' RIGHT OF CENTERLINE, 82' AGL/1,441' MSL.

NOTE: RWY 34, TREE, 3,416' FROM DER, 1,253' RIGHT OF CENTERLINE, 100' AGL/1,399 MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

GRAND RAPIDS, MN

(6) Airport

GRAND RAPIDS/ITASCA CO-GORDON NEWSTROM FLD

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

4

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		
SWEDD (IAF)	GASBE (FB)	325.54 / 6.01	8000	LPV: DA LNAV/VNAV: DA LNAV: RW27	
GASBE (IF)	BIBDE (FB)	266.98 / 6.01	7100	CLIMB TO 9000 DIRECT EKIKE AND VIA 355.18 TRACK TO WOKEN AND HOLD.	
				ADDITIONAL FLIGHT DATA: HOLD SW, RT, 026.00 INBOUND. CHART ARRIVAL HOLDING AT SWEDD: HOLD SE, RT, 325.54 INBOUND, 10000. CHART FAS OBST: 4348 ANT ON OL STK 463509N/1115516W CHART FAS OBST: 4579 TREE 463507N/1114438W CHART 5499 TREE 463523N/1114349W. DISTANCE TO THLD FROM 1113 HAT: 3.35 NM. CHART VDP AT 4.84 MILES TO RW27* *LNAV ONLY. WAAS CHANNEL # 69405 REFERENCE PATH ID: W27A CHART TDZE: 3852 CHART AIRPORT ELEV: 3877	
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT GASBE 3. FAC: <u>266.88</u> FAF: <u>BIBDE</u> DIST FAF TO MAP: <u>9.78</u> THLD: <u>9.78</u> 4. MIN. ALT: <u>GASBE 8000, BIBDE 7100</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>7100</u> GS ALT AT: <u>BIBDE 7100</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.5</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>RW27 10700</u>					
				MAG VAR: 16E EPOCH YEAR: 1990	

MINIMUMS															
TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A										@
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	4965	2	1113	4965	2	1113	4965	3	1113	4965	3	1113			
LNAV/VNAV DA	5289	2	1437	5289	2	1437	5289	3	1437	5289	3	1437			
LNAV MDA	5440	1 1/4	1588	5440	1 1/2	1588	5440	2 1/2	1588	5440	2 1/2	1588			
CIRCLING	5440	1 1/4	1563	5440	1 1/2	1563	5440	3	1563	5440	3	1563			

NOTES:
 CHART NOTE: CIRCLING NA FOR CAT D SOUTH OF RWY 9-27.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C (-7F) OR ABOVE 42C (107F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 SEE 8260-10

CITY AND STATE HELENA, MT	ELEVATION: 3877 TDZE: 3852 AIRPORT NAME: HELENA REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) X RWY 27, AMDT 1A 07 MAY 2009	SUP: RNAV (GPS) RWY 27 AMDT: 1 DATED 09/25/2008
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5
CHECKED

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

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NOTES CONT.

CHART PLANVIEW AND PROFILE NOTE: FOR LPV FLY VISUAL TO AIRPORT, 267 DEGREES - 3.3 MILES.

CHART PLANVIEW AND PROFILE NOTE: FOR LNAV/VNAV FLY VISUAL TO AIRPORT, 267 DEGREES - 4.4 MILES.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CATS A-B.

CITY AND STATE

HELENA, MT

ELEVATION: 3877 TDZE: 3852

AIRPORT NAME:

HELENA REGIONAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) X RWY 27, AMDT 1A

07 MAY 2009

SUP: RNAV (GPS) RWY 27

AMDT: 1

DATED: 09/25/2008

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KHLN
RUNWAY RW27
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR X
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W27A
LTP/FTP LATITUDE 463610.7595N
LTP/FTP LONGITUDE 1115745.9565W
LTP/FTP ELLIPSOIDAL HEIGHT +11587
FPAP LATITUDE 463630.7100N
FPAP LONGITUDE 1115954.4700W
THRESHOLD CROSSING HEIGHT (TCH) 00054.5
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0064
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

451204E5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K1
LTP ORTHOMETRIC HEIGHT +11719
FPAP ORTHOMETRIC HEIGHT +11719

CITY AND STATE
HELENA, MT

ELEVATION: 3877 TDZE: 3852
AIRPORT NAME:
HELENA REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) X RWY 27, AMDT 1A
07 MAY 2009

SUP: RNAV (GPS) RWY 27
AMDT: 1
DATED: 09/25/2008

CHECKED

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHLNK1FR27-X ASWEDD	010SWEDDK1EA0E	C	IF							18000		A JS	I
SUSAP KHLNK1FR27-X ASWEDD	020GASBEK1EA0EE		010TF			32550060		+ 08000				A JS	I
SUSAP KHLNK1FR27-X R	010GASBEK1EA0E	I	IF					+ 08000		18000		A JS	I
SUSAP KHLNK1FR27-X R	020BIBDEK1EA1E	F	051TF			26700060		+ 07100			RW27	K1PGA JS	I
SUSAP KHLNK1FR27-X R	020BIBDEK1EA2WALPV			ALNAV/VNAV	ALNAV							JS	I
SUSAP KHLNK1FR27-X R	030RW27 K1PG0GY	M	031TF			26690098		03900		-300		A JS	I
SUSAP KHLNK1FR27-X R	040EKIKEK1EA0E	M	010DF									A JS	I
SUSAP KHLNK1FR27-X R	050WOKENK1EA0EY		010TF			3552		+ 09000				A JS	I
SUSAP KHLNK1FR27-X R	060WOKENK1EA0EE		HR020HM			02600070		+ 09000				A JS	I

[illegible][illegible]

1	2	3	4	5	6	7	8	9	0	1	2	3
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CITY AND STATE HELENA, MT	ELEVATION: 3877 TDZE: 3852 AIRPORT NAME: HELENA REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) X RWY 27, AMDT 1A 07 MAY 2009	SUP: RNAV (GPS) RWY 27
				AMDT: 1
				DATED: 09/25/2008

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

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MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KHLNKL SRW27 KIPG 0 18018010725 M I

CITY AND STATE
HELENA, MT

ELEVATION: 3877 TDZE: 3852
AIRPORT NAME:
HELENA REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) X RWY 27, AMDT 1A
07 MAY 2009

SUP: RNAV (GPS) RWY 27
AMDT: 1
DATED: 09/25/2008

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SWEDD	SWEDD	010		IF		FB				
	SWEDD	GASBE	020		TF		FB	1.0	325.5 (342T)	006.0	08000
		GASBE	010	FACF	IF		FB				08000
		BIBDE	020	FAF	TF		FB	0.5	267.0 (283T)	006.0	07100
		RW27	030	MAP	TF		FO	0.3	266.9 (283T)	009.8	03900

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EKIKE	040		DF		FB	1.0			
	WOKEN	050		TF		FO	1.0	355.2 (011T)		09000
	WOKEN	060		HM	R	FO	2.0	026.0 (042T)	007.0	09000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BIBDE	N463400.81	W1114355.94	N4634.014	W11143.932
	EKIKE	N463742.70	W1120740.45	N4637.712	W11207.674
	GASBE	N463240.22	W1113527.03	N4632.670	W11135.451
	SWEDD	N462658.45	W1113241.66	N4626.974	W11132.694
	WOKEN	N465854.79	W1120133.14	N4658.913	W11201.552
	RW27	N463610.76	W1115745.96	N4636.179	W11157.766

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27	03845	55

CITY AND STATE HELENA, MT	ELEVATION: 3877 TDZE: 3852 AIRPORT NAME: HELENA REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) X RWY 27, AMDT 1A 07 MAY 2009	SUP: RNAV (GPS) RWY 27
				AMDT: 1
				DATED: 09/25/2008

CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW09
HLN VORTAC	KELTY (FO)	263.42 / 20.29	9800	CLIMBING LEFT TURN TO 9000 DIRECT SIEBE AND HOLD.
PIXI (IAF)	KELTY (NOPT) (FB)	090.96 / 11.87	9800	
GLUES (IAF)	KELTY (NOPT) (FB)	025.04 / 18.22	9800	ADDITIONAL FLIGHT DATA: HOLD SE, RT, 313.62 INBOUND. CHART FAS OBST: 5099 TREE 463650N/1120835W CHART: 5256 TREE 463733N/1120920W CHART: 6191 TREE 463706N/1121341W AXOBE TO RW09: 3.50/50. CHART: APT ELEV 3877 CHART: TDZE 3864
KELTY (IF/IAF)	DOMVE (FB)	080.94 / 7.10	8000	
DOMVE	AXOBE (FB)	081.07 / 2.00	7400	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD W KELTY, RT, 080.94 INBOUND, 9800 FT. IN LIEU OF PT (IAF)
- FAC: 086.53 FAF: AXOBE DIST FAF TO MAP: 9.39 THLD: 9.39
- MIN. ALT: KELTY 9800, DOMVE 8000, AXOBE 7400, CENET/6.80 NM TO RW09 6440
- 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: RW09 10700

MAG VAR: 16E EPOCH YEAR: 1990

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM	8260-15A	FOR THIS AIRPORT	ALTERNATE: N A			@						
CATEGORY =====>		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA		5440	1 1/4	1576	5440	1 1/2	1576	5440	3	1576	5440	3	1576			
CIRCLING		5440	1 1/4	1563	5440	1 1/2	1563	5440	3	1563	5440	3	1563			

NOTES:
CHART NOTE: CIRCLING NA FOR CAT D SOUTH OF RWY 9-27.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

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

CITY AND STATE HELENA, MT	ELEVATION: 3877 TDZE: 3864 AIRPORT NAME: HELENA REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 9, AMDT 1A 07 MAY 2009	SUP: RNAV (GPS) RWY 9 AMDT: 1 DATED 09/25/2008
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QUALITY
CHECKED

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[illegible]

CITY AND STATE HELENA, MT	ELEVATION: 3877 TDZE: 3864 AIRPORT NAME: HELENA REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 9, AMDT 1A 07 MAY 2009	SUP: RNAV (GPS) RWY 9
				AMDT: 1
				DATED: 09/25/2009

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

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PAGE 3 OF 4 PAGES

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

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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
GLUES	GLUES	GLUES	010	IAF	IF		FB				
GLUES	KELTY	KELTY	020		TF		FB	1.0	025.0 (041T)	018.2	09800
HLN	HLN	HLN	010		IF		FB				
HLN	KELTY	KELTY	020	IAF	TF		FO	2.0	263.4 (279T)	020.3	09800
HLN	KELTY	KELTY	030		HF	R	FO		080.9 (097T)	007.0	09800
PIXXI	PIXXI	PIXXI	010	IAF	IF		FB				
PIXXI	KELTY	KELTY	020		TF		FB	1.0	091.0 (107T)	011.9	09800
	KELTY	KELTY	010	FACF	IF		FB				09800
	DOMVE	DOMVE	011	SDF	TF		FB	0.5	080.9 (097T)	007.1	08000
	AXOBE	AXOBE	020	FAP	TF		FB	0.5	081.1 (097T)	002.0	07400
	CENET	CENET	021	SDF	TF		FB	0.3	086.5 (103T)	002.6	0644006483
	RW09	RW09	030	MAP	TF		FO	0.3	086.5 (103T)	006.8	03914

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SIEBE	040		DF	L	FO	1.0			09000
	SIEBE	050		HM	R	FO	2.0	313.6 (330T)	007.0	09000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HLN	N463624.56	W1115712.51	N4636.409	W11157.209
	AXOBE	N463833.23	W1121309.41	N4638.554	W11213.157
	CENET	N463759.48	W1120929.28	N4637.991	W11209.488
	DOMVE	N463843.02	W1121602.25	N4638.800	W11216.038
	GLUES	N462557.21	W1124338.24	N4625.954	W11243.637
	KELTY	N463939.96	W1122616.33	N4639.666	W11226.272
	PIXXI	N464308.80	W1124245.55	N4643.147	W11242.759
	SIEBE	N465305.19	W1120904.73	N4653.087	W11209.079
	RW09	N463630.29	W1115951.68	N4636.505	W11159.861

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	03864	50

CITY AND STATE
HELENA, MT

ELEVATION: 3877 TDZE: 3864
 AIRPORT NAME:
 HELENA REGIONAL

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) Y RWY 9, AMDT 1A
 07 MAY 2009

SUP: RNAV (GPS) RWY 9
 AMDT: 1
 DATED: 09/25/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
WALLO INT	ELLAS LOM/I-OAJ 7.30 DME	128.69 / 14.81	2100	ILS: DA LOC: 5.97 MILES AFTER ELLAS LOM/OAJ 7.30 DME OR AT I-OAJ 1.33 DME FIX
BEULA INT	ELLAS LOM/I-OAJ 7.30 DME	190.52 / 11.04	2100	
KROVE INT	ELLAS LOM/I-OAJ 7.30 DME	240.90 / 27.69	2600	
HELNA INT (IAF)	AJDOV/13.41 DME (NOPT)	122.00 / 2.91 (HDG) & 052.25 / 5.43	2100	CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2100 DIRECT ELLAS LOM/I-OAJ 7.30 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 600 THEN CLIMBING LEFT TURN TO 3000 DIRECT ACZ NDB AND HOLD E, RT, 267.45 INBOUND (ADF REQUIRED).
GOLLA INT (IAF)	AJDOV/13.41 DME (NOPT)	342.00 / 2.33 (HDG) & 052.28 / 1.36	2100	
AJDOV/13.41 DME (IF)	ELLAS LOM/I-OAJ 7.30 DME	052.28 / 6.11	2100	
				ADDITIONAL FLIGHT DATA: HOLD SW, LT, 052.40 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD E ACZ NDB, RT, 267.45 INBOUND. CHART FAS OBST: 200 TREES 344725N/0773920W CHART VDP AT 2.32 DME; DISTANCE VDP TO THLD 0.99 MILES. CHART IN PLANVIEW: ACZ NDB. CHART (UFISA) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE. CHART (TARUY) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE.

- PT R SIDE OF COURSE 232.40 OUTBOUND 2100 FT WITHIN 10 MILES OF ELLAS LOM (IAF)
-
- FAC: 052.40 FAF: ELLAS LOM/I-OAJ 7.30 DME DIST FAF TO MAP: 5.97 THLD: 5.97
- MIN. ALT: ELLAS LOM 2100
- DIST TO THLD FROM OM: 5.97 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1048
- MIN GS INCPT: 2100 GS ALT AT: GS INTCP OM: 2080 MM: - IM: -
- GS ANGLE: 3.00 TCH: 54.9
- MSA FROM: OA LOM 3100

MAG VAR: 8W

EPOCH YEAR: 1990

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A			ILS: STANDARD #			LOC: STANDARD @		
CATEGORY ==>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 5	290	1/2	200	290	1/2	200	290	1/2	200	290	1/2	200			
S-LOC 5	460	1/2	370	460	1/2	370	460	1/2	370	460	3/4	370			
CIRCLING	500	1	406	560	1	466	560	1 1/2	466	660	2	566			

NOTES:

CHART NOTE: ADF REQUIRED.

CHART PLANVIEW NOTE: ADF OR DME REQUIRED.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILMINGTON ALTIMETER SETTING AND INCREASE ALL DA/MDA 100 FEET, INCREASE S-ILS ALL CATS AND S-LOC CATS C/D VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING WILMINGTON ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 94 TDZE: 90	FACILITY IDENTIFIER: I-OAJ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 5, AMDT 8A	SUP:
JACKSONVILLE, NC	AIRPORT NAME: ALBERT J ELLIS		07 MAY 2009	AMDT: 8
				DATED 11/20/2008

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

CITY AND STATE TAOS, NM	ELEVATION: 7095 TDZE: 7067 AIRPORT NAME: TAOS RGNL	FACILITY IDENTIFIER: SKX	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 4, AMDT 1A, 8/13/2003	SUP AMDT 1 DATE 1/23/2003
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TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 3, STANDARD WITH A MINIMUM CLIMB OF 282 FEET PER NM TO 7300 OR 4700-3 FOR CLIMB IN VISUAL CONDITIONS.
RWY 12, STANDARD WITH A MINIMUM CLIMB OF 386 FEET PER NM TO 7600 OR 4700-3 FOR CLIMB IN VISUAL CONDITIONS.
RWY 21, 30, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 3 - CLIMB HEADING 032.08 TO 8200 BEFORE PROCEEDING ON COURSE OR CLIMB IN VISUAL CONDITIONS TO CROSS BATTLE MOUNTAIN AIRPORT AT OR ABOVE 9100 BEFORE PROCEEDING ON COURSE.
RWY 12 - CLIMB HEADING 122.08 AND BAM R-076 TO 10,000 BEFORE PROCEEDING ON COURSE OR CLIMB IN VISUAL CONDITIONS TO CROSS BATTLE MOUNTAIN AIRPORT AT OR ABOVE 9100 BEFORE PROCEEDING ON COURSE.
RWY 21 - CLIMB DIRECT BAM VORTAC AND BAM R-205 TO 10100 BEFORE PROCEEDING ON COURSE.
RWY 30 - CLIMB HEADING 302.10 AND BAM R-324 TO 9100 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

RWY 3: 6559 MSL AAO 404421.26N-1164458.16W.
RWY 12: 6839 MSL AAO 403429.60N-1164143.09W AND 9880 MSL AAO 402412.60N-1165130.00W.
RWY 21: 9880 MSL AAO 402412.60N-1165130.00W.
RWY 30: 8759 MSL AAO 404030.03N-1170756.87W.
RWY 3, 12 (VCOA): 4829 MSL AAO 403923.41N-1164946.19W AND 9880 MSL AAO 402412.59W-1165141.79W.

(5) City, State

BATTLE MOUNTAIN, NV

(6) Airport

BATTLE MOUNTAIN

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

3



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: HUGVU/1.55 DME
WIKLO/12.00 DME CCW (IAF)	GRAIG/12.00 DME	12.00 DME ARC	8300	CLIMB TO 10000 VIA BAM VORTAC R-031 TO RITYO/BAM 4.25 DME AND LEFT TURN DIRECT BAM VORTAC AND VIA BAM VORTAC R-205 TO FESUD/BAM 15.00 DME AND RIGHT TURN DIRECT BAM VORTAC AND HOLD.
GRAIG/12.00 DME (IF)	ZEPAT/4.00 DME	020.00 / 8.00 (BAM R-200)	6300	
ZEPAT/4.00 DME	BAM VORTAC	020.00 / 4.00	5400	
				ADDITIONAL FLIGHT DATA: HOLD S, LT, 020.00 INBOUND. CHART FAS OBST: 4639 TREE 403427N/1165321W CHART BAM R-246 AT WIKLO. BAM VORTAC TO RW03: 3.41/50.

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. PROFILE STARTS AT GRAIG/12.00 DME
 3. FAC 031.04 FAF BAM VORTAC DIST FAF TO MAP - THLD 2.26
 4. MIN. ALT GRAIG 8300, ZEPAT 6300, BAM VORTAC 5400
 8. MSA FROM: BAM VORTAC 350-080 8700, 080-260 10900, 260-350 10100

MAG VAR: 18E EPOCH YEAR: 1965

MINIMUMS

TAKEOFF:	☐	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE:	NA	☒						
CATEGORY	=====>	A			B			C			D			E		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-3		4960	1	429	4960	1	429		NA			NA				
CIRCLING		4960	1	428	5000	1	488		NA			NA				

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

CITY AND STATE BATTLE MOUNTAIN, NV	ELEVATION: 4532 TDZE: 4531 AIRPORT NAME: BATTLE MOUNTAIN	FACILITY IDENTIFIER: BAM	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 3, AMDT 6 07 MAY 2009	SUP AMDT 5 DATE 04/15/2004
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QUALITY
4
CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 19, STANDARD.

RWY 1, 300-2 OR STANDARD WITH MINIMUM CLIMB OF 275 FT PER NM TO 1000.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1, TREES, VEHICLE ON ROAD AND TOWER BEGINNING 401' FROM DER, 407' RIGHT OF CENTERLINE, UP TO 306' AGL/756' MSL. TREES AND POLE BEGINNING 571' FROM DER, 332' LEFT OF CENTERLINE, UP TO 73' AGL/528' MSL.

NOTE: RWY 19, TREES AND BUILDING BEGINNING 238' FROM DER, 294' RIGHT OF CENTERLINE, UP TO 68' AGL/557' MSL. BUILDING, TREES, POLES, BUSHES AND VEHICLE ON ROAD BEGINNING 189' FROM DER, 270' LEFT OF CENTERLINE, UP TO 57' AGL/556' MSL.

(4) CONTROLLING OBSTACLES:

RWY 1: 756' MSL TOWER 425455.00N/0764627.00W.

(5) City, State

SENECA FALLS, NY

(6) Airport

FINGER LAKES RGNL

(7) Effective Date

07 MAY 2009

(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 07 MAY 2009

CITY AND STATE ADA, OK	ELEVATION: 1016 TDZE: 1016 AIRPORT NAME: ADA MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 17, ORIG-B, 08/23/2006	SUP
				AMDT ORIG-A
				DATE 08/03/2000

QUALITY
5
20

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.																																																																																																																																														
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1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. _____ 3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: _____															MAG VAR: _____		EPOCH YEAR: _____																																																																																																																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>TAKEOFF: _____</td> <td>STANDARD _____</td> <td colspan="6">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="2">ALTERNATE: N A _____</td> <td colspan="4"></td> </tr> <tr> <td colspan="2">CATEGORY =====></td> <td colspan="3" style="text-align: center;">A</td> <td colspan="3" style="text-align: center;">B</td> <td colspan="3" style="text-align: center;">C</td> <td colspan="3" style="text-align: center;">D</td> <td colspan="3" style="text-align: center;">E</td> </tr> <tr> <td></td> <td></td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>															TAKEOFF: _____	STANDARD _____	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A _____						CATEGORY =====>		A			B			C			D			E					MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA																																																																																					
TAKEOFF: _____	STANDARD _____	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A _____																																																																																																																																											
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CITY AND STATE ADA, OK		ELEVATION: 1016 TDZE: 995 AIRPORT NAME: ADA MUNI			FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 35, ORIG-C, 08/23/2006					SUP AMDT ORIG-B DATE 08/30/2001																																																																																																																																							

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	
AFSUJ (IAF)	FEKVO (NOPT) (FB)	083.93 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW17 CLIMB TO 3000 DIRECT TANPY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 353.99 INBOUND. CHART FAS OBST: 1065 TREE 344851N/0964024W CHART FAS OBST: 1083 TREE 344846N/0964035W DISTANCE TO THLD FROM 288 HAT: 0.73 NM. WAAS CHANNEL # 61012 REFERENCE PATH ID: W17A
PRARE (IAF)	FEKVO (NOPT) (FB)	264.05 / 5.00	3000	
FEKVO (IF/IAF)	CEKOX (FB)	173.99 / 6.17	2500	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N FEKVO, RT, 173.99 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 173.99 FAF: CEKOX DIST FAF TO MAP: 4.43 THLD: 4.43
- MIN. ALT: FEKVO 3000, CEKOX 2500
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2500 GS ALT AT: CEKOX OM: MM: IM:
- GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 6E

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A				STANDARD @						
CATEGORY	=====>	A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA		1304	1	288	1304	1	288	1304	1	288			NA			
LNAV/VNAV DA		1335	1	319	1335	1	319	1335	1	319			NA			
LNAV MDA		1380	1	364	1380	1	364	1380	1	364			NA			
CIRCLING		1520	1	504	1520	1	504	1520	1 1/2	504			NA			

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.

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.

CITY AND STATE ADA, OK	ELEVATION: 1016 TDZE: 1016 AIRPORT NAME: ADA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED

**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: CIRCLING TO RWY 31 NA AT NIGHT.****CHART NOTE: BARO-VNAV NA WHEN USING SEMINOLE ALTIMETER SETTING.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SEMINOLE ALTIMETER SETTING AND INCREASE ALL DA 66 FEET AND ALL MDA 80 FEET, INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, AND LNAV CAT C VISIBILITY 1/4 MILE.****TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	084/30 CW 264/30 (NOPT)	FEKVO (IF/IAF) (FB)	3000
2.	264/30 CW 354/30	PRARE (IAF) (FB)	3000
3.	354/30 CW 084/30	AFSUJ (IAF) (FB)	3000

CITY AND STATE

ADA, OK

ELEVATION: 1016 TDZE: 1016

AIRPORT NAME:

ADA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KADH
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	344847.7900N
LTP/FTP LONGITUDE	0964019.1100W
LTP/FTP ELLIPSOIDAL HEIGHT	+02834
FPAP LATITUDE	344718.5400N
FPAP LONGITUDE	0964019.0900W
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	0856
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

252AD7DA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03096
FPAP ORTHOMETRIC HEIGHT	+03096

CITY AND STATE

ADA, OK

ELEVATION: 1016 TDZE: 1016

AIRPORT NAME:

ADA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

QUALITY
5
CHECKED

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

PAGE 4 OF 8 PAGES

QUALITY
CHECK

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/PB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AFSUJ	AFSUJ	010	IAF	IF		FB				
	AFSUJ	FEKVO	020		TF		FB	1.0	083.9 (090T)	005.0	03000
	FEKVO	FEKVO	010		HP	R	FB		174.0 (180T)	004.0	03000
	PRARE	PRARE	010	IAP	IF		FB				
	PRARE	FEKVO	020		TF		FB	1.0	264.1 (270T)	005.0	03000
		FEKVO	010	PACF	IF		FB				03000
		CEKOX	020	PAF	TF		FB	0.5	174.0 (180T)	006.2	02500
		RW17	030	MAP	TF		FO	0.3	174.0 (180T)	004.4	01071

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/PB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	TANPY	040		DF		FO	1.0			03000
	TANPY	050		HM	R	FO	2.0	354.0 (360T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AFSUJ	N345924.63	W0964624.38	N3459.411	W09646.406
	CEKOX	N345314.21	W0964019.17	N3453.237	W09640.320
	FEKVO	N345924.83	W0964019.25	N3459.414	W09640.321
	PRARE	N345924.73	W0963414.12	N3459.412	W09634.235
	TANPY	N343700.37	W0964018.96	N3437.006	W09640.316
	RW17	N344847.79	W0964019.11	N3448.797	W09640.319

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW17	01016		55

CITY AND STATE
 ADA, OK

ELEVATION: 1016 TDZE: 1016
 AIRPORT NAME:
 ADA MUNI

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO / AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 17, ORIG
 07 MAY 2009

SUP:
 AMDT: NONE
 DATED:

QUALITY
 5
 CHECKED

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

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CITY AND STATE
ADA, OK

ELEVATION: 1016 TDZE: 1016
AIRPORT NAME:
ADA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 17, ORIG
07 MAY 2009

SUP:
AMDT: NONE
DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
HELKU (IAF)	TANPY (NOPT) (FB)	083.93 / 5.00	3000	LPV: DA LNAV: RW35 CLIMB TO 3000 DIRECT FEKVO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 173.99 INBOUND. CHART FAS OBST: 1446 TOWER 344552N/0864134W DISTANCE TO THLD FROM 268 HAT: 0.78 NM. WAAS CHANNEL # 70412 REFERENCE PATH ID: W35A
JESAB (IAF)	TANPY (NOPT) (FB)	264.05 / 5.00	3000	
TANPY (IF/IAF)	BETLY (FB)	353.99 / 6.16	2500	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S TANPY, RT, 353.99 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 353.99 FAF: BETLY DIST FAF TO MAP: 4.60 THLD: 4.60
- MIN. ALT: TANPY 3000, BETLY 2500
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCP: 2500 GS ALT AT: BETLY OM: MM: IM:
- GS ANGLE: 3.00 TCH: 34.9 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 6E

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A		STANDARD @								
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1263	1	268	1263	1	268	1263	1	268		NA				
LNAV MDA	1600	1	605	1600	1	605	1600	1 3/4	605		NA				
CIRCLING	1600	1	584	1600	1	584	1600	1 3/4	584		NA				

NOTES:

CHART NOTE: CIRCLING TO RWY 31 NA AT NIGHT.

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.

CITY AND STATE ADA, OK	ELEVATION: 1016 TDZE: 995 AIRPORT NAME: ADA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED
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QUALITY
CHECKED
5

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 SEMINOLE ALTIMETER SETTING AND INCREASE ALL DA 66 FEET AND ALL MDA 80 FEET, INCREASE LPV ALL CATS, LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	264/30 CW 084/30 (NOPT)	284/10 CW 084/10	3400
	264/10 CW 084/10	TANPY (IF/IAF) (FB)	3000
2.	084/30 CW 174/30	HELKU (IAF) (FB)	3000
3.	174/30 CW 264/30	JESAB (IAF) (FB)	3000

CITY AND STATE

ADA, OK

ELEVATION: 1018 TDZE: 995

AIRPORT NAME:

ADA MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KADH
RUNWAY RW35
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W35A
REFERENCE PATH IDENTIFIER (APPROACH ID) 344747.3950N
LTP/FTP LATITUDE 0964019.1000W
LTP/FTP LONGITUDE +02726
LTP/FTP ELLIPSOIDAL HEIGHT 344916.6500N
FPAP LATITUDE 0964019.1200W
FPAP LONGITUDE 00034.9
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0888
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

F9C82B85

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +02989
FPAP ORTHOMETRIC HEIGHT +02989

CITY AND STATE

ADA, OK

ELEVATION: 1016 TDZE: 995

AIRPORT NAME:

ADA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

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

[illegible]

CITY AND STATE ADA, OK	ELEVATION: 1016 TDZE: 995 AIRPORT NAME: ADA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED: 10/1/10

QUALITY
6
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HELKU	HELKU	010	IAF	IF		FB				
	HELKU	TANPY	020		TF		FB	1.0	083.9 (090T)	005.0	03000
	JESAB	JESAB	010	IAF	IF		FB				
	JESAB	TANPY	020		TF		FB	1.0	264.1 (270T)	005.0	03000
	TANPY	TANPY	010		HF	R	FB		354.0 (360T)	004.0	03000
		TANPY	010	FACF	IF		FB				03000
		BETLY	020	FAF	TF		FB	0.5	354.0 (360T)	006.2	02500
		RW35	030	MAP	TF		PO	0.3	354.0 (360T)	004.6	01016

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FEKVO	040		DF		FO	1.0			03000
	FEKVO	050		HM	R	PO	2.0	174.0 (180T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BETLY	N344310.81	W0964019.04	N3443.180	W09640.317
	FEKVO	N345924.83	W0964019.25	N3459.414	W09640.321
	HELKU	N343700.17	W0964622.45	N3437.003	W09646.374
	JESAB	N343700.27	W0963415.47	N3437.005	W09634.258
	TANPY	N343700.37	W0964018.96	N3437.006	W09640.316
	RW35	N344747.40	W0964019.10	N3447.790	W09640.318

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	00981	35

CITY AND STATE

ADA, OK

ELEVATION: 1016 TDZE: 995
AIRPORT NAME:
ADA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, ORIG
07 MAY 2009

SUP:

AMDT: NONE

DATED:

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

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

CITY AND STATE ADA, OK	ELEVATION: 1016 TDZE: 995 AIRPORT NAME: ADA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 07 MAY 2009	SUP:
				AMDT: NONE
				DATED:

QUALITY
5
CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 13 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 307' PER NM TO 1300.

RWY 17 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 326' PER NM TO 1300.

RWY 31, 35 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 17 CLIMB HEADING 173.99 TO 1600 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, BUSH 316' FROM DER, 43' RIGHT OF CENTERLINE, 9' AGL/988' MSL. TOWER 5477' FROM DER, 872' LEFT OF CENTERLINE, 120' AGL/1117' MSL. POST 123' FROM DER, 73' RIGHT OF CENTERLINE, 3' AGL/982' MSL. TOWER 1.08 NM FROM DER, 9' LEFT OF CENTERLINE, 160' AGL/1160' MSL.

NOTE: RWY 17, TOWER 1.02 NM FROM DER, 1411' RIGHT OF CENTERLINE, 165' AGL/1165' MSL. POLE 1017' FROM DER, 449' LEFT OF CENTERLINE, 90' AGL/1053' MSL. TREES BEGINNING 83' FROM DER, 272' LEFT OF CENTERLINE, UP TO 82' AGL/1041' MSL. TREES BEGINNING 32' FROM DER, 100' RIGHT OF CENTERLINE, UP TO 58' AGL/1037' MSL. (CONT'D)

(4) CONTROLLING OBSTACLES:

RWY 13 1160 TOWER 344716.00N-0963903.00W

RWY 17 1446 TOWER 344551.59N-0964134.14W, 1165 TOWER 344645.00N-0964036.00W

(5) City, State ADA, OK	(6) Airport ADA MUNI	(7) Effective Date 07 MAY 2009	(8) Amdt. No. 3
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

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

TAKE OFF OBSTACLES NOTES (CONT'D):

NOTE: RWY 31, TREES BEGINNING 2179' FROM DER, 988' RIGHT OF CENTERLINE, UP TO 64' AGL/1083' MSL. OL ON AMOM 703' FROM DER, 548' RIGHT OF CENTERLINE, 6' AGL/1042' MSL.

NOTE: RWY 35, TREES BEGINNING 75' FROM DER, 72' LEFT OF CENTERLINE, UP TO 56' AGL/1065' MSL. TREES BEGINNING 132' FROM DER, 261' RIGHT OF CENTERLINE, UP TO 51' AGL/1050' MSL.

City, State ADA, OK		Airport ADA MUNI			Effective Date 07 MAY 2009	Amdt. No. 3
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date	

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 14, 32, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 14, TREES 359' FROM DER, 294' RIGHT OF CENTERLINE, 100' AGL/1859' MSL. BARN 1162' FROM DER, 503' LEFT OF CENTERLINE, 50' AGL/1809' MSL.

NOTE: RWY 32, TREES 210' FROM DER, 288' LEFT OF CENTERLINE, 100' AGL/1789' MSL. TREES 219' FROM DER, 253' RIGHT OF CENTERLINE, 100' AGL/1799' MSL. BUILDING 326' FROM DER, 65' RIGHT OF CENTERLINE, 50' AGL/1749' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

CORRY, PA

(6) Airport

CORRY-LAWRENCE

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

ORIG

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 2000 DIRECT FOLUL AND RIGHT TURN VIA 064.93 TRACK TO SANCA. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 220 STACK 261009N/0981335W DISTANCE TO THLD FROM 322 HAT: 0.86 NM. CHART VDP AT 1.02 MILES TO RW31* *LNAV ONLY. WAAS CHANNEL # 78001 REFERENCE PATH ID: W31A DO NOT CHART: HOLD NE, RT, 210.90 INBOUND								
FLATZ		HOGIP (FB)		207.96 / 10.17			2400										
HOGIP (IAF)		FOVUD (FB)		223.67 / 5.00			2100										
FOVUD (IF)		GASHS (FB)		313.64 / 6.90			1800										
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT FOVUD 3. FAC: <u>313.61</u> FAF: <u>GASHS</u> DIST FAF TO MAP: <u>5.10</u> THLD: <u>5.10</u> 4. MIN. ALT: <u>FOVUD 2100, GASHS 1800, CUYAN/2.20 NM TO RW31 840*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>GASHS</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>49.8</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW31 2600</u>																	
MAG VAR: 7E EPOCH YEAR: 1980																	
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A		STANDARD @							
CATEGORY ==>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	424	1	322	424	1	322	424	1	322	424	1	322					
LNAV/VNAV DA	562	1 1/2	460	562	1 1/2	460	562	1 1/2	460	562	1 1/2	460					
LNAV MDA	480	1	378	480	1	378	480	1	378	480	1 1/4	378					
CIRCLING	580	1	473	580	1	473	580	1 1/2	473	660	2	553					
NOTES: CHART NOTE: CIRCLING NA NE OF RWY 13-31. CHART NOTE: BARO-VNAV NA WHEN USING VALLEY INTL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10																	
CITY AND STATE				ELEVATION: 107 TDZE: 102				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
MC ALLEN, TX				AIRPORT NAME: MC ALLEN MILLER INTL				RNAV				RNAV (GPS) RWY 31, AMDT 1A 07 MAY 2009				AMDT: 1	
														DATED 11/20/2008			

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

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NOTES CONT.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FLATZ VIA V17 EASTBOUND.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VALLEY INTL ALTIMETER SETTING AND INCREASE ALL DA 83 FEET AND ALL MDA 100 FEET, LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE, LNAV CATS C AND D VISIBILITY 1/4 MILE. VDP NA WHEN USING VALLEY INTL ALTIMETER SETTING.

CITY AND STATE

MC ALLEN, TX

ELEVATION: 107 TDZE: 102

AIRPORT NAME:

MC ALLEN MILLER INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, AMDT 1A

07 MAY 2009

SUP:

AMDT:

1

DATED:

11/20/2008

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMFE
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	261004.0700N
LTP/FTP LONGITUDE	0981357.1500W
LTP/FTP ELLIPSOIDAL HEIGHT	+00073
FPAP LATITUDE	261058.5400N
FPAP LONGITUDE	0981446.7800W
THRESHOLD CROSSING HEIGHT (TCH)	00049.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 5F4FE250

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00310
FPAP ORTHOMETRIC HEIGHT	+00310

CITY AND STATE MC ALLEN, TX	ELEVATION: 107 TDZE: 102 AIRPORT NAME: MC ALLEN MILLER INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 1A 07 MAY 2009	SUP:
				AMDT: 1
				DATED: 11/20/2008

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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 MC ALLEN, TX	ELEVATION: 107 TDZE: 102 AIRPORT NAME: MC ALLEN MILLER INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 1A 07 MAY 2009	SUP:
				AMDT: 1
				DATED: 11/20/2008

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

[illegible]

SUP:	
AMDT:	1
DATED:	11/20/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	FLATZ	FLATZ	010		IF		FB				
	FLATZ	HOGIP	020	IAF	TF		FB	2.0	208.0 (215T)	010.2	02400
	FLATZ	FOVUD	030		TF		FB	1.0	223.7 (231T)	005.0	02100
		FOVUD	010	FACF	IF		FB				02100
		GASHS	020	PAF	TF		FB	0.5	313.6 (321T)	006.9	01800
		CUYAN	021	SDF	TF		FB	0.3	313.6 (321T)	002.9	0084000857
		RW31	030	MAP	TF		FO	0.3	313.6 (321T)	002.2	00152

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	FOLUL	040		DF		FB	1.0			
	SANCA	050		TF	R	FO	1.0	064.9 (072T)		02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FOVUD	N260045.95	W0980529.65	N2600.766	W09805.494
	CUYAN	N260821.79	W0981224.01	N2608.363	W09812.400
	FLATZ	N261218.22	W0975443.94	N2612.304	W09754.732
	FOLUL	N261520.32	W0981845.57	N2615.339	W09818.760
	GASHS	N260606.72	W0981021.11	N2606.112	W09810.352
	HOGIP	N260356.71	W0980112.06	N2603.945	W09801.201
	SANCA	N261842.02	W0980718.24	N2618.700	W09807.304
	RW31	N261004.07	W0981357.15	N2610.068	W09813.953

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	00102	50

CITY AND STATE

MC ALLEN, TX

ELEVATION: 107 TDZE: 102
AIRPORT NAME:

MC ALLEN MILLER INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, AMDT 1A

07 MAY 2009

SUP:

AMDT: 1

DATED: 11/20/2008

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 04, 10, 17, 22, 28, 35 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 04, TREES BEGINNING 1254' FROM DER, 741' LEFT OF CENTERLINE, UP TO 100' AGL/109' MSL. TREES BEGINNING 1814' FROM DER, 79' RIGHT OF CENTERLINE, UP TO 100' AGL/134' MSL. NOTE: RWY 10, TREES BEGINNING 1252' FROM DER, 818' LEFT OF CENTERLINE, UP TO 100' AGL/124' MSL. NOTE: RWY 17, TREES BEGINNING 169' FROM DER, 218' LEFT OF CENTERLINE, UP TO 100' AGL/119' MSL. NOTE: RWY 22, TREES BEGINNING 793' FROM DER, 315' LEFT OF CENTERLINE, UP TO 100' AGL/129' MSL. NOTE: RWY 28, TREES BEGINNING 945' FROM DER, 495' RIGHT OF CENTERLINE, UP TO 100' AGL/139' MSL. NOTE: RWY 35, TREES BEGINNING 3' FROM DER, 394' LEFT OF CENTERLINE, UP TO 100' AGL/124' MSL. TREES BEGINNING 21' FROM DER, 219' RIGHT OF CENTERLINE, UP TO 100' AGL/124' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

WALLOPS ISLAND, VA

(6) Airport

WALLOPS FLIGHT FACILITY

(7) Effective Date

07 MAY 2009

(8) Amdt. No.

ORIG

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM	TO			COURSE AND DISTANCE			ALTITUDE		LNAV: RW13R CLIMB TO 6400 DIRECT DUANE AND VIA 117.06 TRACK TO BLAKO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6400. ADDITIONAL FLIGHT DATA: HOLD E, RT, 283.00 INBOUND. CHART FAS OBST: 528 BLDG 473351N/1221828W CHART 1071 ANT 473617N/1221951W. CHART 578 TWR 473455N/1222146W. CHART VDP AT 1.98 MILES TO RW13R. FISEN TO RW13R: 3.40/50.						
PAE VOR/DME	ZUVEN (FB)			198.43 / 9.20			4000								
ZUVEN (IAF)	JUGOK (FB)			179.49 / 9.03			2900								
LOFAL (IAF)	JUGOK (FB)			126.85 / 13.87			2900								
JUGOK (IF)	FISEN (FB)			101.10 / 6.00			1700								
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT <u>JUGOK</u> 3. FAC: <u>130.15</u> FAF: <u>FISEN</u> DIST FAF TO MAP: <u>4.54</u> THLD: <u>4.54</u> 4. MIN. ALT: <u>JUGOK 2900, FISEN 1700, ZAGRO/3.40 NM TO RW13R 1280</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>RW13R 6200</u>										MAG VAR: 20E EPOCH YEAR: 1990					
MINIMUMS															
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A		STANDARD @			
CATEGORY =====>	A			B			C			D			E		
DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	720	5000	703	720	5000	703	720	2	703	720	2 1/4	703			
CIRCLING	780	1	759	840	1 1/4	819	900	2 3/4	879	960	3	939			
NOTES: CHART NOTE: CIRCLING TO RWY 13L/31R NA AT NIGHT. @ CAT B 900-2, CAT C 900-2 3/4, CAT D 1000-3 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE			ELEVATION: 21 TDZE: 18			FACILITY IDENTIFIER:			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
SEATTLE, WA			AIRPORT NAME:			RNAV			RNAV (GPS) Y RWY 13R, ORIG-C			AMDT: ORIG-B			
			BOEING FIELD/KING COUNTY INTL						07 MAY 2009			DATED 02/14/2008			

 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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PAE VOR/DME VIA AIRWAY RADIALS 163 CW 236.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LOFAL VIA V4-495 NORTHWEST BOUND.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

CITY AND STATE

SEATTLE, WA

ELEVATION: 21 TDZE: 18

AIRPORT NAME:

BOEING FIELD/KING COUNTY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 13R, ORIG-C

07 MAY 2009

SUP:

AMDT: ORIG-B

DATED: 02/14/2008

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBFIK1FR13RY	ALOFAL	010LOFALK1EA0E	A	IF					18000		0	JS
SUSAP	KBFIK1FR13RY	ALOFAL	020JUGOKK1EA0EE		010TF		12690139	+	02900			0	JS
SUSAP	KBFIK1FR13RY	APAE	010PAE	K1D	0V					18000		0	JS
SUSAP	KBFIK1FR13RY	APAE	020ZUVENK1EA0E	A	020TF		19840092	+	04000			0	JS
SUSAP	KBFIK1FR13RY	APAE	030JUGOKK1EA0EE		010TF		17950090	+	02900			0	JS
SUSAP	KBFIK1FR13RY	R	010JUGOKK1EA0E	I	IF			+	02900	18000		0	JS
SUSAP	KBFIK1FR13RY	R	020FISENK1EA1E	F	051TF		10110060	+	01700		RW13R	K1PG0	JS
SUSAP	KBFIK1FR13RY	R	020FISENK1EA2WN			N	ALNAV						JS
SUSAP	KBFIK1FR13RY	R	021ZAGROK1EA0E	S	031TF		13020011	V	0128001307		-340	0	JS
SUSAP	KBFIK1FR13RY	R	030RW13RK1PG0GY	M	031TF		13020034		00067		-340	0	JS
SUSAP	KBFIK1FR13RY	R	040DUANEK1EA0E	M	010DF							0	JS
SUSAP	KBFIK1FR13RY	R	050BLAKOK1EA0EY		010TF		1171	+	06400			0	JS
SUSAP	KBFIK1FR13RY	R	060BLAKOK1EA0EE		HR020HM		28300050	+	06400			0	JS

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

SUP:	
AMDT:	ORIG-B
DATED:	02/14/2008

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

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RUNWAY 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KBFIK1GRW13R 0100001302 N47322595W122184088+0000 -0018300017000040200I

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

SUSAP KBFIK1SRW13RK1PG 0 18018006225

M

CITY AND STATE
SEATTLE, WA

ELEVATION: 21 TDZE: 18
AIRPORT NAME:
BOEING FIELD/KING COUNTY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 13R, ORIG-C
07 MAY 2009

SUP:
AMDT: ORIG-B
DATED: 02/14/2008

CHECKED

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LOFAL	LOFAL	010	IAF	IF		FB				
	LOFAL	JUGOK	020		TF		FB	1.0	126.9 (147T)	013.9	02900
	PAE	PAE	010		IF		FB				
	PAE	ZUVEN	020	IAF	TF		FB	2.0	198.4 (218T)	009.2	04000
	PAE	JUGOK	030		TF		FB	1.0	179.5 (200T)	009.0	02900
		JUGOK	010	FACF	IF		FB				02900
		FISEN	020	FAF	TF		FB	0.5	101.1 (121T)	006.0	01700
		ZAGRO	021	SDF	TF		FB	0.3	130.2 (150T)	001.1	0128001307
		RW13R	030	MAP	TF		FO	0.3	130.2 (150T)	003.4	00067

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DUANE	040		DF		FB	1.0			
	BLAKO	050		TF		FO	1.0	117.1 (137T)		06400
	BLAKO	060		HM	R	FO	2.0	283.0 (303T)	005.0	06400

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PAE	N475511.40	W1221640.20	N4755.190	W12216.670
	BLAKO	N471935.77	W1220405.28	N4719.596	W12204.088
	DUANE	N472646.94	W1221354.91	N4726.782	W12213.915
	FISEN	N473622.29	W1222201.15	N4736.372	W12222.019
	JUGOK	N473928.37	W1222936.72	N4739.473	W12229.612
	LOFAL	N475105.59	W1224049.86	N4751.093	W12240.831
	ZAGRO	N473522.84	W1222110.71	N4735.381	W12221.179
	ZUVEN	N474758.88	W1222509.26	N4747.981	W12225.154
	RW13R	N473225.95	W1221840.88	N4732.433	W12218.681

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW13R	00017		40

CITY AND STATE
SEATTLE, WA

ELEVATION: 21 TDZE: 18
 AIRPORT NAME:
 BOEING FIELD/KING COUNTY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) Y RWY 13R, ORIG-C
 07 MAY 2009

SUP:
 AMDT: ORIG-B
 DATED: 02/14/2008

U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA											
PAE VOR/DME (40V)	ZUVEN (TF) (FB) (RNP 2.00) (40E) (43A)	198.43/9.20	4000	CLIMB TO 2000 VIA 130.21 TRACK TO DUANE THEN CLIMB TO 6400 VIA 117.06 TRACK TO BLAKO AND HOLD. CONTINUE CLIMB-IN-HOLD TO 6400.											
ZUVEN (IAF) (40E) (43A)	FOGUL (TF) (FB) (RNP 1.00) (40E)	196.01/3.70	3400												
FOGUL (40E)	JAMRO (RF) (FB) (RNP 0.50) (40E) (41E)	(5.00 NM RADIUS CCW YUPTU) /8.31	2100												
LOFAL (40E)	JUGOK (TF) (FB) (RNP 1.00) (40E) (43A)	126.86/13.87	2900												
JUGOK (IAF) (40E) (43A)	JAMRO (TF) (FB) (RNP 0.50) (40E) (41E)	106.37/2.90	2100												
JAMRO (IF) (40E) (43I)	COMMB (TF) (FB) (RNP 0.50) (40E) (43F)	100.68/2.50	1700												
(CONTINUED ON PAGE 2)				ADDITIONAL FLIGHT DATA: HOLD E, RT, 283.00 INBOUND CHART FAS OBST: 363 TREE 473312N/1221829W, 232 TREE 473306N/1221849W, 97 TREE 473250N/1221854W DIST TO THLD FROM 506 HAT: 1.43 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 67.3 MSL (DO NOT CHART) MAG VAR: 20E EPOCH YEAR: 1990											
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 JAMRO															
3. FAC: <u>*</u> FAF: <u>*SEE TERMINAL ROUTES FROM COMMB</u> DIST FAF TO MAP: <u> </u> THLD: <u> </u>															
4. MIN. ALT: JAMRO 2100, COMMB 1700															
5. DIST TO THLD FROM OM: <u>5.06</u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>															
6. MIN GS INCPT: <u>1700</u> GS ALT AT: COMMB 1700, ORABE 1031 OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>50.0#</u> 34:1 IS NOT CLEAR															
8. MSA FROM: RW13R 6200															
MINIMUMS															
TAKEOFF:	☐ STANDARD	☒ X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD										
CATEGORY ==>	A		B		C		D		E						
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.15 DA	523	1 1/2	506	523	1 1/2	506	523	1 1/2	506	523	1 1/2	506			
RNP 0.30 DA	637	2	620	637	2	620	637	2	620	637	2	620			
NOTES: CHART NOTES: GPS AND RF REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -3C (26F) OR ABOVE 48C (119F). FOR INOPERATIVE MALSF, INCREASE RNP 0.15 VISIBILITY TO 1 3/4, RNP 0.30 TO 2 1/4. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART PLANVIEW NOTE AT FOGUL, JUGOK, JAMRO: (RNP 0.50) (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 21 TDZE: 17		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:					
SEATTLE, WA		AIRPORT NAME:		RNAV		07 MAY 2009 RNAV (RNP) Z RWY 13R, ORIG-B				AMDT: ORIG-A					
		BOEING FIELD/ KING COUNTY INTL								DATE 03/13/2008					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
 RNAV **STANDARD INSTRUMENT APPROACH PROCEDURE**
 FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES (CONTINUED FROM PAGE 1):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
COMMB (FAF) (40E) (43F)	ORABE (RF) (TF) (40E)	(4.00 NM RADIUS CW EXAXE) /2.06	
ORABE (40E)	RW13R (TF) (FO) (40G) (41Y) (43M)	130.18/3.00	
RW13R (MAP) (40G) (41Y) (43M)	DUANE (TF) (FB) (RNP 1.00) (40E) (42M)	130.21/6.51	2000
DUANE (40E) (42M)	BLAKO (TF) (FO) (RNP 1.00) (40E) (41E) (43H)	117.06/9.81	6400

NOTES (CONTINUED FROM PAGE 1):

CHART PLANVIEW NOTES: PROCEDURE NA FOR ARRIVALS AT LOFAL VIA V287 WESTBOUND AND V4 NORTHBOUND.
 PROCEDURE NA FOR ARRIVALS AT PAE VOR/DME AIRWAY RADIALS 163 CW 236.

CITY AND STATE SEATTLE, WA	ELEVATION: 21 TDZE: 17	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 07 MAY 2009 RNAV (RNP) Z RWY 13R, ORIG-B	SUP:
	AIRPORT NAME: BOEING FIELD/KING COUNTY INTL			AMDT: ORIG-A
	DATED: 03/13/2008			

QUALITY
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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LOFAL	LOFAL	010		IF		FB				
	LOFAL	JUGOK	020	IAF	TF		FB	1.0	126.9 (147T)	013.9	02900
	LOFAL	JAMRO	030	IF	TF		FB	0.5	106.4 (126T)	002.9	02100
	PAE	PAE	010		IF		FB				
	PAE	ZUVEN	020	IAF	TF		FB	2.0	198.4 (218T)	009.2	04000
	PAE	FOGUL	030	SDF	TF		FB	1.0	196.0 (216T)	003.7	03400
	PAE	JAMRO	040	IF	RF	L	FB	0.5		008.3	02100
		JAMRO	010	FACF	IF		FB				02100
		COMMB	020	FAF	TF		FB	0.5	100.7 (121T)	002.5	01700
		ORABE	021		RF	R	FB	0.3		002.1	
		RW13R	030	MAP	TF		FO	0.3	130.2 (150T)	003.0	00067 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DUANE	040		TF		FB	1.0	130.2 (150T)	006.5	02000
	BLAKO	050		TF		FO	1.0	117.1 (137T)	009.8	06400
	BLAKO	060		HM	R	FO	2.0	283.0 (303T)	005.0	06400

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BLAKO	471935.77N	1220405.28W	4719.596N	12204.088W
	COMMB	473628.78N	1222259.18W	4736.480N	12222.986W
	DUANE	472646.94N	1221354.91W	4726.782N	12213.915W
	EXAXE	473302.67N	1222600.37W	4733.045N	12226.006W
	FOGUL	474459.16N	1222822.89W	4744.986N	12228.382W
	JAMRO	473745.32N	1222609.83W	4737.755N	12226.164W
	JUGOK	473928.37N	1222936.72W	4739.473N	12229.612W
	LOFAL	475105.59N	1224049.86W	4751.093N	12240.831W
	ORABE	473502.06N	1222052.98W	4735.034N	12220.883W
	PAE VOR/DME	475511.40N	1221640.20W	4755.190N	12216.670W
	YUPTU	474203.11N	1222223.19W	4742.052N	12222.387W
	ZUVEN	474758.88N	1222509.26W	4747.981N	12225.154W
	RW13R	473225.95N	1221840.88W	4732.433N	12218.681W

RUNWAY DATA	RWY	THLD ELEV	TCH
	13R	00017	50

CITY AND STATE	ELEVATION: 21 TDZE: 17	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SEATTLE, WA	AIRPORT NAME: BOEING FIELD/KING COUNTY INTL	RNAV	07 MAY 2009 RNAV (RNP) Z RWY 13R, ORIG-B	AMDT: ORIG-A
				DATED: 03/13/2008

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 2, 12, 20, 30 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 2, VEHICLE ON ROAD 926' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 17' AGL/1,116' MSL. TREES BEGINNING 182' FROM DER, 175' RIGHT OF CENTERLINE, UP TO 100' AGL/1,169' MSL. NOTE: RWY 12, TREES BEGINNING 1,234' FROM DER, 655' RIGHT OF CENTERLINE, UP TO 100' AGL/1,189' MSL. NOTE: RWY 20, TREES BEGINNING 712' FROM DER, 288' RIGHT OF CENTERLINE, UP TO 100' AGL/1,129' MSL. NOTE: RWY 30, TREES BEGINNING 1,918' FROM DER, 87' RIGHT OF CENTERLINE, UP TO 100' AGL/1,209' MSL. VEHICLE ON ROAD 1,166' FROM DER, 157' RIGHT OF CENTERLINE, UP TO 17' AGL/1,126' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State MONROE, WI	(6) Airport MONROE MUNI	(7) Effective Date 07 MAY 2009	(8) Amdt. No. 2
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[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No.30655 Amdt. No 3311]

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.

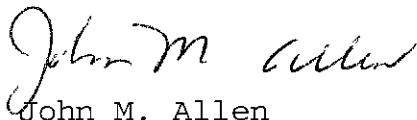
CONCLUSION

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 February 20,2009



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:

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, ISMLS, MLS/DME, MLS/RNAV; §97.31 RADAR SIAPs; §97.33 RNAV SIAPs; and §97.35 COPTER SIAPs,

FDC Date	STATE	CITY	AIRPORT	FDC NUMBER	SUBJECT
01/23/09	NY	CANANDAIGUA	CANANDAIGUA	9/2878	THIS NOTAM PUBLISHED IN TL09-06 IS HEREBY RESCINDED IN ITS' ENTIRETY. RNAV (GPS) RWY 13, ORIG
02/09/09	IN	GREENSBURG	GREENSBURG-DECATUR COUNTY	9/4397	RNAV (GPS) RWY 36, ORIG
02/09/09	IN	GREENSBURG	GREENSBURG-DECATUR COUNTY	9/4398	VOR-A, AMDT 2B
02/05/09	CA	HAWTHORNE	JACK NORTHROP FIELD/HAWTHORNE MUNI	9/4403	VOR OR GPS RWY 25, AMDT 15B
02/05/09	WA	OAK HARBOR	WES LUPIEN	9/4405	RNAV (GPS) RWY 7, AMDT 2
02/05/09	WA	OAK HARBOR	WES LUPIEN	9/4414	RADAR-1, AMDT 1
02/09/09	IN	GREENSBURG	GREENSBURG-DECATUR COUNTY	9/4453	TAKEOFF MINIMUMS AND (OBSTACLE) DP, AMDT 1
02/05/09	WA	OAK HARBOR	WES LUPIEN	9/4454	TAKEOFF MINIMUMS AND (OBSTACLE) DP, ORIG
02/06/09	NY	LE ROY	LE ROY	9/4664	VOR OR GPS-A, ORIG
02/06/09	NY	ROCHESTER	GREATER ROCHESTER INTL	9/4803	ILS OR LOC RWY 22, AMDT 6A
02/09/09	PR	PONCE	MERCEDITA	9/4996	RNAV (GPS) RWY 12, ORIG
02/10/09	CA	CARLSBAD	MC CLELLAN-PALOMAR	9/5094	ILS OR LOC RWY 24, AMDT 8C
02/10/09	CA	CARLSBAD	MC CLELLAN-PALOMAR	9/5095	RNAV (GPS) RWY 24, AMDT 1
02/11/09	CA	LOS ANGELES	LOS ANGELES INTL	9/5297	ILS OR LOC RWY 7R, AMDT 6
02/12/09	PA	PHILADELPHIA	PHILADELPHIA INTL	9/5433	ILS OR LOC RWY 17, AMDT 7
02/12/09	CA	ARCATA/EUREKA	ARCATA	9/5477	ILS OR LOC/DME RWY 32, AMDT 1D
02/13/09	CT	HARTFORD	HARTFORD-BRAINARD	9/5768	LDA RWY 2, AMDT 1E
02/17/09	NV	ELY	ELY ARPT-YELLAND FLD	9/6034	RNAV (GPS) RWY 18, ORIG-B
02/18/09	IA	ANKENY	ANKENY REGIONAL	9/6097	RNAV (GPS) RWY 22, ORIG
02/18/09	IA	ANKENY	ANKENY REGIONAL	9/6100	RNAV (GPS) RWY 18, ORIG
02/18/09	UT	OGDEN	OGDEN-HINCKLEY	9/6135	ILS OR LOC RWY 3, AMDT 4A
02/18/09	AK	DILLINGHAM	DILLINGHAM	9/6173	LOC/DME RWY 19, AMDT 6

FDC 9/4397 I34 FI/P GREENSBURG-DECATUR COUNTY, GREENSBURG, IN. RNAV (GPS) RWY 36, ORIG...CHANGE ALL REFERENCE TO GREENSBURG-DECATUR COUNTY TO GREENSBURG MUNI. THIS IS RNAV (GPS) RWY 36, ORIG-A

FDC 9/4398 I34 FI/P GREENSBURG-DECATUR COUNTY, GREENSBURG, IN. VOR A, AMDT 2B...CHANGE ALL REFERENCE TO GREENSBURG-DECATUR COUNTY TO GREENSBURG MUNI. THIS IS VOR A, AMDT 2C.

FDC 9/4403 HHR FI/P JACK NORTHROP FIELD/HAWTHORNE MUNI, HAWTHORNE, CA. VOR OR GPS RWY 25, AMDT 15B...S-25 MDA 680/HAT 617 ALL CATS. VIS CAT C 1 3/4, CAT D 2. CIRCLING MDA 680/HAA 614 ALL CATS. VIS CAT C 1 3/4. DELETE VDP AT 6.6 DME. DELETE DISTANCE VDP TO THLD 1.3 MILES. THIS IS VOR OR GPS RWY 25, AMDT 15C.

FDC 9/4405 OKH FI/P WES LUPIEN, OAK HARBOR, WA. RNAV (GPS) RWY 7, AMDT 2...CHANGE ALL REFERENCE TO WES LUPIEN, OAK HARBOR, WA TO A J EISENBERG, OAK HARBOR, WA. THIS IS RNAV (GPS) RWY 7, AMDT 2A.

FDC 9/4414 OKH FI/P WES LUPIEN, OAK HARBOR, WA. RADAR-1, AMDT 1...CHANGE ALL REFERENCE TO WES LUPIEN, OAK HARBOR, WA TO A J EISENBERG, OAK HARBOR, WA. THIS IS RADAR-1, AMDT 1A.

FDC 9/4453 I34 FI/P GREENSBURG-DECATUR COUNTY, GREENSBURG, IN TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURE AMDT 1 CHANGE ALL REFERENCE TO GREENSBURG-DECATUR COUNTY TO GREENSBURG MUNI. THIS IS TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURE AMDT 1A.

FDC 9/4454 OKH FI/P WES LUPIEN, OAK HARBOR, WA. TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG...CHANGE ALL REFERENCE TO WES LUPIEN, OAK HARBOR, WA TO A J EISENBERG, OAK HARBOR, WA. THIS IS TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURES, ORIG-A.

FDC 9/4664 5G0 FI/P LE ROY, LE ROY, NY. VOR OR GPS A, ORIG...CIRCLING CAT A MDA 1400/HAA 615. CHART: ROC R-227 AT UNITS INT. THIS IS VOR OR GPS A, ORIG-A.

FDC 9/4803 ROC FI/P GREATER ROCHESTER INTL, ROCHESTER, NY. ILS OR LOC RWY 22, AMDT 6A...CHANGE ALL REFERENCE TO KECKE TO READ KECKE/ROC 12.1 DME/RADAR AND ALL REFERENCE TO MAPES TO READ MAPES OM/ROC 6.0 DME. THIS IS ILS OR LOC RWY 22, AMDT 6B.

FDC 9/4996 PSE FI/P MERCEDITA, PONCE, PR. RNAV (GPS) RWY 12, ORIG...DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 12 AND CIRCLING RWY 30 NA AT NIGHT. CHART NOTE: PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 12, ORIG-A.

FDC 9/5094 CRQ FI/P MC CLELLAN-PALOMAR, CARLSBAD, CA. ILS OR LOC RWY 24, AMDT 8C...S-ILS 24 DA 526/HAT 200 CATS A/B, 576/HAT 250 CAT C. S-LOC 24 MDA 1000/HAT 674 CATS A/B/C. VIS CAT C 1 1/2. CIRCLING CAT A MDA 1000/HAA 669. DELETE NOTE: FOR INOPERATIVE MALSR INCREASE S-LOC CATEGORY A/B VISIBILITY TO RVR 5000. DELETE PLANVIEW NOTE: CAUTION: 3800 FT. DRAG STRIP UNDERLYING THE FINAL APPROACH COURSE MAY BE MISTAKEN FOR RUNWAY. CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-ILS-24 CAT C VISIBILITY TO RVR 5000. INCREASE S-LOC-24 CAT A/B VISIBILITY TO RVR 5000. THIS IS ILS OR LOC RWY 24, AMDT 8D.

FDC 9/5095 CRQ FI/P MC CLELLAN-PALOMAR, CARLSBAD, CA. RNAV (GPS) RWY 24, AMDT 1...LPV DA 737/HAT 411 CATS A/B/C. LNAV/VNAV DA 1387/HAT 1061 CATS A/B/C. VIS CATS A/B 2, CAT C 3. LNAV MDA 1100/HAT 774 CATS A/B/C. VIS CATS A/B RVR 4000, CAT C 1 3/4. CIRCLING CATS A/B/C MDA 1100/HAA 769, VIS CAT A 1, CAT B 1 1/4, CAT C 2 1/4. ALT MINS: STANDARD EXCEPT CAT C 800-2 1/4. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. DELETE NOTE: BARO-VNAV NA BELOW -15C (5F). CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54 C (130F). DELETE VDP: 1.42 MILES TO RW24 (ASTERISK). (ASTERISK) LNAV ONLY. DELETE WAAS SYMBOL. DELETE PLANVIEW NOTE: CAUTION: 3800 FT. DRAG STRIP UNDERLYING FINAL APPROACH COURSE MAY BE MISTAKEN FOR RUNWAY. THIS IS RNAV (GPS) RWY 24, AMDT 1A.

FDC 9/5297 LAX FI/P LOS ANGELES INTL, LOS ANGELES, CA. ILS OR LOC RWY 7R, AMDT 6...CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 264. THIS IS ILS OR LOC RWY 7R, AMDT 6A.

FDC 9/5433 PHL FI/P PHILADELPHIA INTL, PHILADELPHIA, PA. ILS OR LOC RWY 17, AMDT 7...MISSED APPROACH: CLIMB TO 3000 VIA HEADING 155 AND ARD R-207 TO JEPUG INT AND HOLD. THIS IS ILS OR LOC RWY 17, AMDT 7A.

FDC 9/5477 ACV FI/P ARCATA, ARCATA/EUREKA, CA. ILS OR LOC/DME RWY 32, AMDT 1D...ADD PLANVIEW NOTE: DME REQUIRED. THIS IS ILS OR LOC/DME RWY 32, AMDT 1E.

FDC 9/5768 HFD FI/P HARTFORD-BRAINARD, HARTFORD, CT. LDA RWY 2, AMDT 1E...CHANGE ALL REFERENCE TO LOMIS LOM TO LOMIS LOM/INT. THIS IS LDA RWY 2, AMDT 1F.

FDC 9/6034 ELY FI/P ELY ARPT-YELLAND FLD, ELY, NV. RNAV (GPS) RWY 18, ORIG-B...DELETE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. CHART VDP AT 3.97 NM TO RWY 18. THIS IS RNAV (GPS) RWY 18, ORIG-C.

FDC 9/6097 IKV FI/P ANKENY REGIONAL, ANKENY, IA. RNAV (GPS) RWY 22, ORIG...ADD NOTE: PROCEDURE NA AT NIGHT. ADD NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DES MOINES INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE. CHART: DESCENT ANGLE FROM CABOX TO RW22 3.02/TCH 45. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. DELETE ALL REFERENCE TO VDP. 34:1 IS NOT CLEAR. ALTERNATE MINIMUMS STANDARD. ASTERISK NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS RNAV (GPS) RWY 22, ORIG-A.

FDC 9/6100 IKV FI/P ANKENY REGIONAL, ANKENY, IA. RNAV (GPS) RWY 18, ORIG...LNAV/VNAV DA 1478/HAT 575 ALL CATS, VISIBILITY 2 ALL CATS. ADD NOTE: CIRCLING RWY 22 NA AT NIGHT. ADD NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DES MOINES INTL ALTIMETER SETTING AND INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. CHANGE BARO-VNAV NA BELOW - 16C (4F) NOTE TO READ: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW - 16C (4F) OR ABOVE 54C (130F). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING DES MOINES INTL ALTIMETER SETTING. CHANGE VGSI NOT COINCIDENT NOTE TO READ: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. ALTERNATE MINIMUMS STANDARD. POUND SYMBOL NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS RNAV (GPS) RWY 18, ORIG-A.

FDC 9/6135 OGD FI/P OGDEN-HINCKLEY, OGDEN, UT. ILS OR LOC RWY 3, AMDT 4A...DELETE PLANVIEW NOTE: DME REQUIRED. CHART PLANVIEW NOTE: RADAR REQUIRED. THIS IS ILS OR LOC RWY 3, AMDT 4B.

FDC 9/6173 DLG FI/P DILLINGHAM, DILLINGHAM, AK. LOC/DME RWY 19, AMDT 6...TERMINAL ROUTE FROM YONXU/DLG 15.00 DME CCW TO INDRA/I-DLG 12.21 DME: ADD (DGL LR-019). TERMINAL ROUTE FROM UVHAL/DLG 15.00 DME CCW TO INDRA/I-DLG 12.21 DME: ADD (DGL LR-019). TERMINAL ROUTE FROM UTKOW/DLG 15.00 DME CW TO INDRA/I-DLG 12.21 DME: ADD (DGL LR-003). THIS IS THIS IS LOC/DME RWY 19, AMDT 6A.