

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 12-25

October 26, 2012

**PREPARED BY THE PRODUCT SUPPORT GROUP, AJV-34
(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.**

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [30869](#); Amdt. No. [3504](#)]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

SUMMARY: This rule establishes, amends, suspends, or revokes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures for operations at certain airports. These regulatory actions are needed because of the adoption of new or revised criteria, or because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, adding new obstacles, or changing air traffic requirements. These changes are designed to provide safe and efficient use of the navigable airspace and to promote safe flight operations under instrument flight rules at the affected airports.

DATES: This rule is effective [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER]. The compliance date for each SIAP, associated Takeoff Minimums, and ODP is specified in the amendatory provisions.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the

Federal Register as of [INSERT DATE OF PUBLICATION IN THE
FEDERAL REGISTER].

ADDRESSES: Availability of 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: Richard A. Dunham III, 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 [OCTOBER 26, 2012](#).



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 13 DECEMBER 2012

Fayetteville, AR, Drake Field, LDA/DME RWY 34, Amdt 4
Hutchinson, KS, Hutchinson Muni, ILS OR LOC RWY 13, Amdt 16C

Effective 10 JANUARY 2013

Gustavus, AK, Gustavus, RNAV (GPS) Y RWY 29, Amdt 1
Middleton Island, AK, Middleton Island, Takeoff Minimums and Obstacle DP, Orig-A
Middleton Island, AK, Middleton Island, VOR RWY 2, Amdt 3A
Middleton Island, AK, Middleton Island, VOR/DME RWY 20, Amdt 6A
Tatitlek, AK, Tatitlek, Takeoff Minimums and Obstacle DP, Orig-A
Birmingham, AL, Birmingham-Shuttlesworth Intl, Takeoff Minimums and Obstacle DP, Amdt 7
Bentonville, AR, Bentonville Muni/Louise M Thaden Field, RNAV (GPS) RWY 18, Amdt 1
Bentonville, AR, Bentonville Muni/Louise M Thaden Field, RNAV (GPS) RWY 36, Amdt 1
Bentonville, AR, Bentonville Muni/Louise M Thaden Field, VOR-A, Amdt 13
Bentonville, AR, Bentonville Muni/Louise M Thaden Field, VOR/DME-B, Amdt 6
Meriden, CT, Meriden Markham Muni, GPS RWY 36, Orig-A, CANCELED
Meriden, CT, Meriden Markham Muni, RNAV (GPS) RWY 36, Orig
St Marys, GA, St Marys, Takeoff Minimums and Obstacle DP, Amdt 4
Tifton, GA, Henry Tift Myers, NDB RWY 33, Amdt 1A
Tifton, GA, Henry Tift Myers, RNAV (GPS) RWY 28, Orig-A
Tifton, GA, Henry Tift Myers, RNAV (GPS) RWY 33, Orig-B
Tifton, GA, Henry Tift Myers, VOR RWY 28, Amdt 10A
Tifton, GA, Henry Tift Myers, VOR RWY 33, Amdt 11C
Lewiston, ID, Lewiston-Nez Perce County, ILS RWY 26, Amdt 13
Salem, IL, Salem-Leckrone, Takeoff Minimums and Obstacle DP, Amdt 7
Alexandria, LA, Esler Rgnl, ILS OR LOC/DME RWY 27, Amdt 16
Alexandria, LA, Esler Rgnl, NDB RWY 27, Amdt 1, CANCELED
Alexandria, LA, Esler Rgnl, RNAV (GPS) RWY 9, Amdt 2
Alexandria, LA, Esler Rgnl, RNAV (GPS) RWY 27, Amdt 2
Millinocket, ME, Millinocket Muni, NDB RWY 29, Amdt 4, CANCELED
Butler, MO, Butler Memorial, GPS RWY 18, Orig-B, CANCELED
Butler, MO, Butler Memorial, RNAV (GPS) RWY 18, Orig
Butler, MO, Butler Memorial, RNAV (GPS) RWY 36, Orig
Butler, MO, Butler Memorial, VOR-A, Amdt 5
Deer Lodge, MT, Deer Lodge-City-County, RNAV (GPS)-A, Orig
Deer Lodge, MT, Deer Lodge-City-County, Takeoff Minimums and Obstacle DP, Orig
Mount Olive, NC, Mount Olive Muni, VOR-A, Amdt 2
Tioga, ND, Tioga Muni, RNAV (GPS) RWY 30, Amdt 1
Albuquerque, NM, Albuquerque Intl Sunport, RNAV (RNP) Y RWY 26, Orig
Taos, NM, Taos Rgnl, Takeoff Minimums and Obstacle DP, Amdt 1
Mount Pocono, PA, Pocono Mountains Muni, RNAV (GPS) RWY 13, Amdt 3
Mount Pocono, PA, Pocono Mountains Muni, RNAV (GPS) RWY 31, Amdt 2
Florence, SC, Florence Rgnl, RADAR-1, Amdt 1, CANCELED
Marlin, TX, Marlin, Takeoff Minimums and Obstacle DP, Orig

Olney, TX, Olney Muni, GPS RWY 17, Orig, CANCELED
Olney, TX, Olney Muni, RNAV (GPS) RWY 17, Orig
Olney, TX, Olney Muni, RNAV (GPS) RWY 35, Orig
Olney, TX, Olney Muni, Takeoff Minimums and Obstacle DP, Orig
Spokane, WA, Spokane Intl, ILS OR LOC RWY 3, ILS RWY 3 (SA CAT I), ILS RWY 3 (CAT II), ILS RWY 3 (CAT III), Amdt 6A
Mosinee, WI, Central Wisconsin, Takeoff Minimums and Obstacle DP, Amdt 1

RESCINDED: On October 15, 2012 (77 FR 62429), the FAA published an Amendment in Docket No. 30864, Amdt No. 3499 to Part 97 of the Federal Aviation Regulations under section 97.33. The following entry for Mount Olive, NC, effective 15 November, 2012, is hereby rescinded in its entirety:

Mount Olive, NC, Mount Olive Muni, VOR-A, Amdt 2

LDA/DME - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.25							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.														
TERMINAL ROUTES																	MISSED APPROACH				
FROM			TO			COURSE AND DISTANCE				ALTITUDE		LDA/GS: DA LDA: IVOYI/I-LFH 0.29 DME CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 4000 HEADING 260 AND DAK VOR/DME R-246 TO SUMMO INT/DAK 12.35 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 4000 HEADING 260 AND RZC VORTAC R-221 TO SUMMO INT/RZC 22.11 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 066.34 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE SUMMO INT/RZC 22.11 DME, RT, 220.66 INBOUND. FAS OBST: 1759 AAO 355635N/0940918W CHART: ASR CHART FINAL APPROACH AIMING POINT AT THRESHOLD. FAC CROSSES C/L AT RWY 34 THLD. CHART PLANVIEW NOTE: LOC OFFSET 5.53 DEGREES.									
RZC VORTAC			WATUG/I-LFH 10.12 DME			178.92 / 25.26				4000											
FSM VORTAC (IAF)			WATUG/I-LFH 10.12 DME (NOPT)			005.99 / 26.87				4000											
WATUG/I-LFH 10.12 DME (IF/IAF)			WULIL/I-LFH 5.71 DME			352.48 / 4.41 (I-LFH)				3100											
WULIL/I-LFH 5.71 DME			TRIUM/I-LFH 4.11 DME			352.48 / 1.60 (I-LFH)				2900											
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)																					
2. HOLD S WATUG, LT, 352.48 INBOUND, 4000 FT. IN LIEU OF PT (IAF)																					
3. FAC: <u>352.48</u> FAF: <u>TRIUM</u> DIST FAF TO MAP: <u> </u> THLD: <u>4.32</u>																					
4. MIN. ALT: WATUG 4000, WULIL 3100, TRIUM 2900, OLEXE 2.90 DME 2540*																					
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>943</u>																					
6. MIN GS INCP: <u>2900</u> GS ALT AT: <u>TRIUM 2900</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>																					
7. GS ANGLE: <u>3.50</u> TCH: <u>57.0</u>																					
8. MSA FROM: DAK VOR/DME 090-180 4500, 180-090 3600																					
MINIMUMS																					
TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>										ALTERNATE: <u>N A</u>			LDA/GS: <u>STANDARD #</u>				LDA: <u>STANDARD @</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-LDA/GS 34		1589	1 1/4	351	1589	1 1/4	351	1589	1 1/4	351		NA									
S-LDA 34		2020	1 1/4	782	2020	1 1/2	782	2020	2 1/2	782		NA									
CIRCLING		2020	1 1/4	768	2020	1 1/2	768	2020	2 1/2	768		NA									
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: CIRCLING NA E OF RWY 16-34. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FSM VORTAC AIRWAY RADIALS 359 CW 036. (SEE FORM 8260-10)																					
CITY AND STATE FAYETTEVILLE, AR				ELEVATION: 1252 THRE: 1238 AIRPORT NAME: DRAKE FIELD				FACILITY IDENTIFIER: I-LFH		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LDA/DME RWY 34, AMDT 4 13 DECEMBER 2012				SUP: AMDT: 3 DATED 11/20/2008							

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
LDA/DME - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.25

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

NOTES, (CONT.):

CHART PLANVIEW NOTE: LDA/GLIDE SLOPE

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

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SPRINGDALE ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET.

CHART IN PROFILE: *LDA ONLY

CITY AND STATE

FAYETTEVILLE, AR

ELEVATION: 1252

THRE: 1238

AIRPORT NAME:

DRAKE FIELD

FACILITY
IDENTIFIER:
I-LFH

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LDA/DME RWY 34, AMDT 4

13 DECEMBER 2012

SUP:

AMDT: 3

DATED: 11/20/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
HUT VOR/DME	SALTT LOM	353.64 / 7.61	3200	ILS: DA LOC: 3.98 MILES AFTER SALTT LOM			
GUTER INT	SALTT LOM	211.03 / 13.95	3300				
SPELT INT	SALTT LOM	085.39 / 16.42	3200	CLIMB TO 2400 THEN CLIMBING RIGHT TURN TO 3100 DIRECT HUT VOR/DME AND HOLD.			
WUPNU/HUT 16.00 DME CW (IAF)	OSNIE/HUT 16.00 DME (NOPT)	16.00 DME ARC (HUT LR-321)	3800				
ZUPAB/HUT 16.00 DME CCW (IAF)	OSNIE/HUT 16.00 DME (NOPT)	16.00 DME ARC (HUT LR-336)	3800	ADDITIONAL FLIGHT DATA: HOLD SW, LT, 033.00 INBOUND. CHART FAS OBST: 1734 TREE 380645N/0975413W CHART HUT R-240 AT WUPNU. CHART HUT R-016 AT ZUPAB.			
OSNIE/HUT 16.00 DME (IF)	SALTT LOM	132.27 / 9.65 (I-HUT)	2900				

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)							
2. HOLD NW SALTT LOM, LT, 132.27 INBOUND, 3200 FT. IN LIEU OF PT (IAF)							
3. FAC: <u>132.27</u> FAF: SALTT LOM DIST FAF TO MAP: <u>3.98</u> THLD: <u>3.98</u>							
4. MIN. ALT: SALTT LOM 2900							
5. DIST TO THLD FROM OM: <u>3.98</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>903</u>							
6. MIN GS INCPT: <u>2900</u> GS ALT AT: <u>-</u> OM: <u>2854</u> MM: <u>-</u> IM: <u>-</u>							
7. GS ANGLE: <u>3.00</u> TCH: <u>47.0</u>							
8. MSA FROM: HU LOM 4100							

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @	
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 13**	1725	2400	200	1725	2400	200	1725	2400	200		NA				
S-LOC 13	2000	2400	475	2000	2400	475	2000	5000	475		NA				
CIRCLING	2080	1	537	2080	1	537	2080	1 1/2	537		NA				

NOTES:
 CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
 CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 17, 22, AND 31 NA AT NIGHT.
 CHART PLANVIEW NOTE: ADF OR DME REQUIRED.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEWTON ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10)

CITY AND STATE HUTCHINSON, KS	ELEVATION: 1543	THRE: 1525	FACILITY IDENTIFIER: I-HUT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13, AMDT 16C 13 DECEMBER 2012	SUP:
	AIRPORT NAME: HUTCHINSON MUNI				AMDT: 16B
					DATED 06/28/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

ALL DA 66 FEET AND ALL MDA 80 FEET, INCREASE S-LOC CAT C VISIBILITY TO RVR 6000 AND INCREASE CIRCLING CAT C VISIBILITY TO 1 3/4 MILE.

CITY AND STATE

HUTCHINSON, KS

ELEVATION: 1543

THRE: 1525

AIRPORT NAME:

HUTCHINSON MUNI

FACILITY
IDENTIFIER:

I-HUT

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 13, AMDT 16C

13 DECEMBER 2012

SUP:

AMDT: 16B

DATED: 06/28/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHUTK3FI13	AGUTER	010GUTERK3EA0E	IF							18000		0	NS
SUSAP KHUTK3FI13	AGUTER	020HU K3PN0NY	TF					+ 03300				0	NS
SUSAP KHUTK3FI13	AGUTER	030HU K3PN0NE AL	HF IHUTK3		312300521323T010PI			+ 03200				0	NS
SUSAP KHUTK3FI13	AHUT	010HUT K3D 0V	IF							18000		0	NS
SUSAP KHUTK3FI13	AHUT	020HU K3PN0NY	TF					+ 03200				0	NS
SUSAP KHUTK3FI13	AHUT	030HU K3PN0NE AL	HF IHUTK3		312300521323T010PI			+ 03200				0	NS
SUSAP KHUTK3FI13	ASPELT	010SPELT K3EA0E	IF							18000		0	NS
SUSAP KHUTK3FI13	ASPELT	020HU K3PN0NY	TF					+ 03200				0	NS
SUSAP KHUTK3FI13	ASPELT	030HU K3PN0NE AL	HF IHUTK3		312300521323T010PI			+ 03200				0	NS
SUSAP KHUTK3FI13	AWUPNU	010WUPNUK3EA0E A	IF HUT K3		24040160		D			18000		0	NS
SUSAP KHUTK3FI13	AWUPNU	020OSNIEK3EA0EE BR	AF HUT K3		328601602404		D	+ 03800				0	NS
SUSAP KHUTK3FI13	AZUPAB	010ZUPABK3EA0E A	IF HUT K3		01600160		D			18000		0	NS
SUSAP KHUTK3FI13	AZUPAB	020OSNIEK3EA0EE BL	AF HUT K3		328601600160		D	+ 03800				0	NS
SUSAP KHUTK3FI13	I	010OSNIEK3EA0E I	IF IHUTK3		31230149		PI	J 038000290018000				0	NS
SUSAP KHUTK3FI13	I	020SALTTK3EA0E F	CF IHUTK3		3123005213200097PI		H	0290002854		-300HU	K3PNO	NS	
SUSAP KHUTK3FI13	I	030RW13 K3PG0GY M	CF IHUTK3		3123001313200040PI			01572		-300		0	NS
SUSAP KHUTK3FI13	I	040 0 M	CA		1323			+ 02400				0	NS
SUSAP KHUTK3FI13	I	050HUT K3D 0VY R	DF					+ 03100				0	NS
SUSAP KHUTK3FI13	I	060HUT K3D 0VE L	HM		0330T010			+ 03100				0	NS

SUP:	
AMDT:	16B
DATED:	06/28/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

SUSAP KHUTK3GRW13 0070041323 N38042715W097521590-0100 +0436801525000047100IIHUT1

SUSAP KHUTK3IIHUT1 011010RW13 N38033054W0975112031323N38042319W0975204550670 09030523300E00604701525

SUSAP KHUTK3SHU	K3PN	0	18018004125	M
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SUSAPNKHUTK3 HU K3004040HOLW N38072538W097553726 E0060 NARSALTT

SUP:	
AMDT:	16B
DATED:	06/28/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	GUTER	GUTER	010		IF		FB					
	GUTER	HU	020		TF		FO				AA 03300	
	GUTER	HU	030	IAF	HF	L	FO		132.3()	T01.0	AA 03200	
	HUT	HUT	010		IF		FB					
	HUT	HU	020		TF		FO				AA 03200	
	HUT	HU	030	IAF	HF	L	FO		132.3()	T01.0	AA 03200	
	SPELT	SPELT	010		IF		FB					
	SPELT	HU	020		TF		FO				AA 03200	
	SPELT	HU	030	IAF	HF	L	FO		132.3()	T01.0	AA 03200	
	WUPNU	WUPNU	010	IAF	IF		FB					
	WUPNU	OSNIE	020		AF	R	FB		240.4()		AA 03800	
	ZUPAB	ZUPAB	010	IAF	IF		FB					
	ZUPAB	OSNIE	020		AF	L	FB		016.0()		AA 03800	
		OSNIE	010	FACF	IF		FB				AA 03800	GI 02900
		SALT	020	FAF	CF		FB		132.0()	009.7	GI 02900	GS 02854
		RW13	030	MAP	CF		FO		132.0()	004.0	AT 01572	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		132.3()		AA 02400	
	HUT	050		DF	R	FO				AA 03100	
	HUT	060		HM	L	FO		033.0()	T01.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HUT	N375948.91	W0975602.94	N3759.815	W09756.049
	GUTER	N381833.72	W0974456.90	N3818.562	W09744.948
	OSNIE	N381437.32	W0980346.68	N3814.622	W09803.778
	SALT	N380725.41	W0975537.22	N3807.424	W09755.620
	SPELT	N380747.48	W0981625.49	N3807.791	W09816.425
	WUPNU	N375409.69	W0981458.53	N3754.162	W09814.976
	ZUPAB	N381419.59	W0974727.94	N3814.327	W09747.466
	RW13	N380427.15	W0975215.90	N3804.453	W09752.265
	IHUT (LOC)	N380330.54	W0975112.03	N3803.509	W09751.201
	HU	N380725.38	W0975537.26	N3807.423	W09755.621

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	
RW13	01525	47

CITY AND STATE
HUTCHINSON, KSELEVATION: 1543 THRE: 1525
AIRPORT NAME:
HUTCHINSON MUNIFACILITY
IDENTIFIER:
I-HUTPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 13, AMDT 16C
13 DECEMBER 2012SUP:
AMDT: 16B
DATED: 06/28/2012

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHUTK3FL13	AGUTER	010GUTERK3EA0E	IF						18000		0	NS	
SUSAP KHUTK3FL13	AGUTER	020HU K3PN0NY	TF					+ 03300			0	NS	
SUSAP KHUTK3FL13	AGUTER	030HU K3PN0NE AL	HF IHUTK3	312300521323T010PI				+ 03200			0	NS	
SUSAP KHUTK3FL13	AHUT	010HUT K3D 0V	IF						18000		0	NS	
SUSAP KHUTK3FL13	AHUT	020HU K3PN0NY	TF					+ 03200			0	NS	
SUSAP KHUTK3FL13	AHUT	030HU K3PN0NE AL	HF IHUTK3	312300521323T010PI				+ 03200			0	NS	
SUSAP KHUTK3FL13	ASPELT	010SPELT K3EA0E	IF						18000		0	NS	
SUSAP KHUTK3FL13	ASPELT	020HU K3PN0NY	TF					+ 03200			0	NS	
SUSAP KHUTK3FL13	ASPELT	030HU K3PN0NE AL	HF IHUTK3	312300521323T010PI				+ 03200			0	NS	
SUSAP KHUTK3FL13	AWUPNU	010WUPNUK3EA0E A	IF HUT K3	24040160			D		18000		0	NS	
SUSAP KHUTK3FL13	AWUPNU	020OSNIEK3EA0EE BR	AF HUT K3	328601602404			D	+ 03800			0	NS	
SUSAP KHUTK3FL13	AZUPAB	010ZUPABK3EA0E A	IF HUT K3	01600160			D		18000		0	NS	
SUSAP KHUTK3FL13	AZUPAB	020OSNIEK3EA0EE BL	AF HUT K3	328601600160			D	+ 03800			0	NS	
SUSAP KHUTK3FL13	L	010OSNIEK3EA0E I	IF IHUTK3	31230149			PI	+ 03800	18000		0	NS	
SUSAP KHUTK3FL13	L	020SALTTK3EA0E F	CF IHUTK3	3123005213200097PI				+ 02900		HU	K3PN0	NS	
SUSAP KHUTK3FL13	L	030RW13 K3PG0GY M	CF IHUTK3	3123001313200040PI				01572		-315		0	NS
SUSAP KHUTK3FL13	L	040	0 M	CA			1323	+ 02400				0	NS
SUSAP KHUTK3FL13	L	050HUT K3D 0VY R	DF					+ 03100				0	NS
SUSAP KHUTK3FL13	L	060HUT K3D 0VE L	HM				0330T010	+ 03100				0	NS

SUP:	
AMDT:	16B
DATED:	06/28/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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RUNWAY 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KHUTK3GRW13 0070041323 N38042715W097521590-0100 +0436801525000047100IIHUT1

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

SUSAP KHUTK3IIHUT1 011010RW13 N38033054W0975112031323N38042319W0975204550670 09030523300E00604701525

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

SUSAP KHUTK3SHU K3PN 0 18018004125

M

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

SUSAPNKHUTK3 HU K3004040HOLW N38072538W097553726

E0060

NARSALTT

CITY AND STATE
HUTCHINSON, KS

ELEVATION: 1543 THRE: 1525
AIRPORT NAME:
HUTCHINSON MUNI

FACILITY
IDENTIFIER:
I-HUT

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 13, AMDT 16C
13 DECEMBER 2012

SUP:

AMDT: 16B

DATED: 06/28/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GUTER	GUTER	010		IF		FB					
	GUTER	HU	020		TF		FO				AA 03300	
	GUTER	HU	030	IAF	HF	L	FO		132.3()	T01.0	AA 03200	
	HUT	HUT	010		IF		FB					
	HUT	HU	020		TF		FO				AA 03200	
	HUT	HU	030	IAF	HF	L	FO		132.3()	T01.0	AA 03200	
	SPELT	SPELT	010		IF		FB					
	SPELT	HU	020		TF		FO				AA 03200	
	SPELT	HU	030	IAF	HF	L	FO		132.3()	T01.0	AA 03200	
	WUPNU	WUPNU	010	IAF	IF		FB					
	WUPNU	OSNIE	020		AF	R	FB		240.4()		AA 03800	
	ZUPAB	ZUPAB	010	IAF	IF		FB					
	ZUPAB	OSNIE	020		AF	L	FB		016.0()		AA 03800	
		OSNIE	010	FACF	IF		FB				AA 03800	
		SALT	020	FAF	CF		FB		132.0()	009.7	AA 02900	
		RW13	030	MAP	CF		FO		132.0()	004.0	AT 01572	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		132.3()		AA 02400	
	HUT	050		DF	R	FO				AA 03100	
	HUT	060		HM	L	FO		033.0()	T01.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
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	SPELT	N380747.48	W0981625.49	N3807.791	W09816.425
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	ZUPAB	N381419.59	W0974727.94	N3814.327	W09747.466
	RW13	N380427.15	W0975215.90	N3804.453	W09752.265
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RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	01525	47

CITY AND STATE
HUTCHINSON, KSELEVATION: 1543 THRE: 1525
AIRPORT NAME:
HUTCHINSON MUNIFACILITY IDENTIFIER:
I-HUTPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 13, AMDT 16C
13 DECEMBER 2012SUP:
AMDT: 16B
DATED: 06/28/2012

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		LP: RW29 LNAV: RW29 CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 4000 DIRECT ODEPE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 105.00 INBOUND. CHART ARRIVAL HOLDING AT SSR VORTAC: HOLD E, LT, 252.00 INBOUND, 5000'. CHART FAS OBST: 190 TOWER 582452N/1354200W CHART FAS OBST: 147 TREE 582501N/1354051W WAAS CHANNEL # 53525 REFERENCE PATH ID: W29B OBST: 499 TREE 582228N/1353757W OBST: 349 TREE 582243N/1353759W PEREE TO RW29: 3.00/40 LTP HAE: 11.6 M							
CSPER		RUKIE (FB)		065.82 / 32.00			5500									
RUKIE		ODEPE (FB)		035.00 / 4.03			4500									
ODEPE (IAF)		MITBE (FB)		005.99 / 5.01			2500									
SSR VORTAC (IAF)		MITBE (FB)		293.68 / 8.92			2500									
MITBE (IF)		PEREE (FB)		290.23 / 5.97			1700									
PEREE (FAF)		YEBUR/3.30 NM TO RW29 (FB)		290.14 / 1.83												
(SEE FORM 8260-10)																
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)												MAG VAR: 25E EPOCH YEAR: 2000				
2. PROFILE STARTS AT MITBE																
3. FAC: <u>290.14</u> FAF: <u>PEREE</u> DIST FAF TO MAP: <u>5.13</u> THLD: <u>5.13</u>																
4. MIN. ALT: MITBE 2500, PEREE 1700, YEBUR/3.30 NM TO RW29 1100																
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>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR																
8. MSA FROM: RW29 7100																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD							
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LP MDA	400	1	372	400	1	372	400	1	372	400	1	372				
LNAV MDA	500	1	472	500	1	472	500	1 3/8	472	500	1 3/8	472				
CIRCLING	540	1	505	540	1	505	540	1 1/2	505	600	2	565				
NOTES: CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: CIRCLING NA NORTHEAST OF RWY 11-29 *DESCEND IN SSR VORTAC HOLDING PATTERN TO 5000 BEFORE COMMENCING APPROACH																
CITY AND STATE		ELEVATION: 35 THRE: 28			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
GUSTAVUS, AK		AIRPORT NAME: GUSTAVUS					RNAV (GPS) Y RWY 29, AMDT 1					AMDT: ORIG-A				
							10 JANUARY 2013					DATED 07/02/2009				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
YEBUR/3.30 NM TO RW29	RW29 (MAP) (FO)	290.10 / 3.30	
RW29 (MAP)	1400 MSL	290.10	1400
1400 MSL	ODEPE (FO)		4000

CITY AND STATE

GUSTAVUS, AK

ELEVATION: 35

THRE: 28

AIRPORT NAME:

GUSTAVUS

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 29, AMDT 1

10 JANUARY 2013

SUP:

AMDT: ORIG-A

DATED: 07/02/2009

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAGS
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29B
LTP/FTP LATITUDE	582510.9385N
LTP/FTP LONGITUDE	1354133.0020W
LTP/FTP ELLIPSOIDAL HEIGHT	+00116
FPAP LATITUDE	582613.8200N
FPAP LONGITUDE	1354332.7700W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0704
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

5E5D1ABF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00085
FPAP ORTHOMETRIC HEIGHT	+00085

CITY AND STATE

GUSTAVUS, AK

ELEVATION: 35

THRE: 28

AIRPORT NAME:

GUSTAVUS

FACILITY
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PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 29, AMDT 1

10 JANUARY 2013

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

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ARINC PACKET - 424-18 - RNAV (GPS)

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SCAND	SSR	PA011400VTHA	N58103958W135153191	N58103958W135153191	E0290000402	NARSISTERS ISLAND							

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
SCANEAE	NRT	CSPER	PA0	C	L	N58114447W136383744	E0206	NAR	CSPER				
SCANEAE	NRT	MITBE	PA0	W	N58172001W135264130	E0208	NAR	MITBE					
SCANEAE	NRT	ODEPE	PA0	W	N58130278W135313474	E0207	NAR	ODEPE					
SCANEAE	NRT	PEREE	PA0	W	N58213368W135344054	E0208	NAR	PEREE					
SCANEAE	NRT	RUKIE	PA0	C	L	N58110264W135381107	E0207	NAR	RUKIE				
SCANEAE	NRT	YEBUR	PA0	W	N58225109W135370726	E0208	NAR	YEBUR					

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
SCANP	PAGSPAAGST	0	067YHN58253100W135422670E025000035	1800018000C	MNAR	GUSTAVUS							

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SCANP	PAGSPA	FR29-Y	ACSPER	010CSPERPAEA0E	IF					18000		A	JS
SCANP	PAGSPA	FR29-Y	ACSPER	020RUKIEPAEA0E	020TF		06580320					A	JS
SCANP	PAGSPA	FR29-Y	ACSPER	030ODEPEPAEA0E	A 020TF		03500040	+ 04500				A	JS
SCANP	PAGSPA	FR29-Y	ACSPER	040MITBEPAEA0EE	B 010TF		00600050	+ 02500				A	JS
SCANP	PAGSPA	FR29-Y	ASSR	010SSR PAD 0V	C IF					18000		A	JS
SCANP	PAGSPA	FR29-Y	ASSR	020MITBEPAEA0EE	B 010TF		29370089	+ 02500				A	JS
SCANP	PAGSPA	FR29-Y	R	010MITBEPAEA0E	I IF					18000		A	JS
SCANP	PAGSPA	FR29-Y	R	020PEREPAEA1E	F 051TF		29020060	+ 01700			RW29	PAGA	JS
SCANP	PAGSPA	FR29-Y	R	020PEREPAEA2WALP	N	ALNAV						JS	
SCANP	PAGSPA	FR29-Y	R	021YEBURPAEA0E	S 031TF		29010018	V 0110001118		-300		A	JS
SCANP	PAGSPA	FR29-Y	R	030RW29 PAPG0GY	M 031TF		29010033	00068		-300		A	JS
SCANP	PAGSPA	FR29-Y	R	040	0 M CA		2901	+ 01400				A	JS
SCANP	PAGSPA	FR29-Y	R	050ODEPEPAEA0EY	L DF			+ 04000				A	JS
SCANP	PAGSPA	FR29-Y	R	060ODEPEPAEA0EE	L HM		10500040	+ 04000				A	JS

RUNWAY	1	2	3	4	5	6	7	8	9	0	1	2	3
SCANP	PAGSPA	GRW29	0067212900	N58251094W135413300+0100	+0011600028000040150R								

CITY AND STATE
GUSTAVUS, AK

ELEVATION: **35** **THRE: 28**
 AIRPORT NAME:
GUSTAVUS

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 29, AMDT 1
10 JANUARY 2013

SUP:
 AMDT: **ORIG-A**
 DATED: **07/02/2009**

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

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PP 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SCANP PAGSPAPR29-Y RW29 001Y0000W29B0N5825109385W13541330020+001160300N5826138200W13543327700106750704000400F4000005E5D1ABF
SCANP PAGSPAPR29-Y RW29 002E +00085+00085LP 53525

MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SCANP PAGSPASRW29 PAPG 0 18018007125 M

CITY AND STATE
GUSTAVUS, AK

ELEVATION: 35 THRE: 28
AIRPORT NAME:
GUSTAVUS

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) Y RWY 29, AMDT 1
10 JANUARY 2013

SUP:
AMDT: ORIG-A
DATED: 07/02/2009

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CSPER	CSPER	010		IF		FB					
	CSPER	RUKIE	020		TF		FB	2.0	065.8(090.8T)	032.0		
	CSPER	ODEPE	030	IAF	TF		FB	2.0	035.0(060.0T)	004.0	AA 04500	
	CSPER	MITBE	040		TF		FB	1.0	006.0(031.0T)	005.0	AA 02500	
	SSR	SSR	010	IAF	IF		FB					
	SSR	MITBE	020		TF		FB	1.0	293.7(318.7T)	008.9	AA 02500	
		MITBE	010	FACF	IF		FB				AA 02500	
		PEREE	020	FAF	TF		FB	0.5	290.2(315.2T)	006.0	AA 01700	
		YEBUR	021	SDF	TF		FB	0.3	290.1(315.1T)	001.8	AA 01100	GS 01118
		RW29	030	MAP	TF		FO	0.3	290.1(315.1T)	003.3	AT 00068	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		290.1(315.1T)		AA 01400	
	ODEPE	050		DF	L	FO				AA 04000	
	ODEPE	060		HM	L	FO		105.0(130.0T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SSR	N581039.58	W1351531.91	N5810.660	W13515.532
	CSPER	N581144.47	W1363837.44	N5811.741	W13638.624
	MITBE	N581720.01	W1352641.30	N5817.334	W13526.688
	ODEPE	N581302.78	W1353134.74	N5813.046	W13531.579
	PEREE	N582133.68	W1353440.54	N5821.561	W13534.676
	RUKIE	N581102.64	W1353811.07	N5811.044	W13538.185
	YEBUR	N582251.09	W1353707.26	N5822.852	W13537.121
	RW29	N582510.94	W1354133.00	N5825.182	W13541.550

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29	00028	40

CITY AND STATE GUSTAVUS, AK	ELEVATION: 35 THRE: 28	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GUSTAVUS	RNAV	RNAV (GPS) Y RWY 29, AMDT 1	AMDT: ORIG-A
			10 JANUARY 2013	DATED: 07/02/2009

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
MIDDLETON ISLAND, AK	MIDDLETON ISLAND	01/10/2013	ORIG-A

TAKEOFF MINIMUMS:

RWY 13, 31, NA – ENVIRONMENTAL.
RWY 2, 20 STANDARD

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2: AIRCRAFT ON TAXIWAY, 5 FT FROM DER, 195 FT LEFT OF CENTERLINE, UP TO 20 FT AGL/119 FT MSL. VEHICLE ON TAXIWAY, 131 FT FROM DER, 193 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/114 FT MSL.

NOTE: RWY 20: VEHICLES ON ROAD BEGINNING 3 FT FROM DER, 124 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/164 FT MSL.

CONTROLLING OBSTACLES:



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet 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: 1.76 MILES AFTER MDO VOR/DME OR AT 1.76 DME FIX							
MODDS INT/ 40.53 DME		MDO VOR/DME		111.07 / 40.53				2500		CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 1500 DIRECT MDO VOR/DME AND HOLD.							
DEALS INT/ 40.33 DME		MDO VOR/DME		100.27 / 40.33				2500									
										ADDITIONAL FLIGHT DATA: HOLD S, RT, 022.18 INBOUND. CHART FAS OBST: 170 TOWER 592540N/1462017W MDO VOR/DME TO RW02: 2.97/45.							
1. PT <u>L</u> SIDE OF COURSE <u>202.18</u> OUTBOUND <u>1500</u> FT WITHIN <u>10</u> MILES OF <u>MDO VOR/DME</u> (IAF) 2. _____ 3. FAC <u>022.18</u> FAF <u>MDO VOR/DME</u> DIST FAF TO MAP <u>1.76</u> THLD <u>1.76</u> 4. MIN. ALT <u>MDO VOR/DME 700</u> 8. MSA FROM: <u>MDO VOR/DME 1500</u>														MAG VAR: 18E		EPOCH YEAR: 2015	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N/A		STANDARD					
CATEGORY =====>		A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
S-2	560	1	460	560	1	460	560	1 3/8	460		NA						
CIRCLING	600	1	500	600	1	500	600	1 1/2	500		NA						
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.																	
CITY AND STATE		ELEVATION: 100		THRE: 100		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP		VOR RWY 1			
MIDDLETON ISLAND, AK		AIRPORT NAME:		MIDDLETON ISLAND		MDO		VOR RWY 2, AMDT 3A, 01/10/2013				AMDT		3			
												DATE		11/15/2012			



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: MUDKE/ 2.28 DME					
MODDS INT/40.53 DME		NICIC/12.00 DME		111.07 / 28.53 (MDO R-291)				2500		CLIMB TO 2000 DIRECT MDO VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2000.					
DEALS INT/40.33 DME		INZAT/12.00 DME		100.27 / 28.33 (MDO R-280)				2500							
IDAME/24.00 DME		INVOW/12.00 DME		247.62 / 12.00 (MDO R-068)				2500		ADDITIONAL FLIGHT DATA: HOLD S, RT, 020.05 INBOUND. FAC CROSSES RWY C/L EXTENDED 2906 FT FROM THLD. CHART FAS OBST: 153 TOWER 592741N/1461811W CHART MDO R-068 AT INVOW. CHART MDO R-291 AT NICIC. CHART MDO R-280 AT INZAT. IKGUT TO RW20: 2.92/45.					
MDO VOR/DME		IKGUT/6.00 DME		020.05 / 6.00				2000							
NICIC/12.00 DME CW (IAF)		LODIC/12.00 DME (NOPT)		12.00 DME ARC				1500							
INZAT/12.00 DME CW (IAF)		LODIC/12.00 DME (NOPT)		12.00 DME ARC				1500							
INVOW/12.00 DME CW (IAF)		LODIC/12.00 DME (NOPT)		12.00 DME ARC				1500							
LODIC/12.00 DME (IF)		IKGUT/6.00 DME		200.05 / 6.00 (MDO R-020)				1300							
1. PT <u>L</u> SIDE OF COURSE <u>020.05</u> OUTBOUND <u>1500</u> FT WITHIN <u>10</u> MILES OF <u>IKGUT</u> (IAF) 2. _____ 3. FAC <u>200.05</u> FAF <u>IKGUT/6.00 DME</u> DIST FAF TO MAP _____ THLD <u>3.72</u> 4. MIN. ALT <u>IKGUT 1300</u> 8. MSA FROM: <u>MDO VOR/DME 1500</u>															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD					
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-20	660	1	560	660	1	560	660	1 5/8	560		NA				
CIRCLING	660	1	560	660	1	560	660	1 5/8	560		NA				
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.															
CITY AND STATE MIDDLETON ISLAND, AK		ELEVATION: 100 AIRPORT NAME: MIDDLETON ISLAND		THRE: 100		FACILITY IDENTIFIER: MDO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 20, AMDT 6A, 01/10/2013				SUP VOR/DME RWY 19			
												AMDT 6			
												DATE 11/15/2012			

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
TATITLEK, AK	TATITLEK	01/10/2013	ORIG-A

TAKEOFF MINIMUMS:

RWY 13, STANDARD WITH MINIMUM CLIMB OF 358 FT PER NM TO 2500 OR 3400-2 FOR CLIMB IN VISUAL CONDITIONS.
RWY 31, STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 900, OR 3400-2 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 13 - CLIMBING RIGHT TURN HEADING 145.82 AND JOH R-338 TO JOH VOR/DME BEFORE PROCEEDING ON COURSE OR...
RWY 31 - CLIMBING LEFT TURN HEADING 252.00 TO INTERCEPT JOH R-316 TO JOH VOR/DME BEFORE PROCEEDING ON COURSE DO NOT EXCEED 180 KIAS UNTIL ESTABLISHED ON JOH R-316 OR...

RWY 13, 31 - ...FOR CLIMB IN VISUAL CONDITIONS: CROSS TATITLEK AIRPORT AT OR ABOVE 3300 THEN VIA JOH R-336 TO JOH VOR/DME BEFORE PROCEEDING ON COURSE DO NOT EXCEED 180 KIAS UNTIL ESTABLISHED ON JOH R-336 TO JOH VOR/DME.

NOTE: RAPIDLY RISING TERRAIN NORTHWEST OF PROCEDURE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, TREES 335 FT FROM DER, 411 FT RIGHT OF CENTERLINE, 39 FT AGL/79 FT MSL. TREES 11 FT FROM DER, 467 FT LEFT OF CENTERLINE, 34 FT AGL/74 FT MSL. BUSH 429 FT FROM DER, 48 FT RIGHT OF CENTERLINE, 12 FT AGL/52 FT MSL. VENT ON BUILDING 1172 FT FROM DER, 767 FT LEFT OF CENTERLINE, 58 FT AGL/98 FT MSL. POLE 3072 FT FROM DER, 194 FT LEFT OF CENTERLINE, 99 FT AGL/139 FT MSL.

NOTE: RWY 31, TREES BEGINNING 23 FT FROM DER, 339 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/703 FT MSL.

CONTROLLING OBSTACLES:

RWY 13: 850 FT MSL TREE 604939.37N/1463734.47W, 1899 FT MSL AAO 604332.77N/1463555.31W.

RWY 31: 649 FT MSL TREE 605144.79N/1464641.31W, 549 FT MSL TREE 605413.14N/1464252.96W,

RWY 13, 31 (VCOA): 2999 FT MSL AAO 605435.22N/1464028.85W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

ALL RWYS: 5178 FT MSL AAO 610048.00N/1462406.00W, 5574 FT MSL AAO 611021.54N/1461341.91W, 6086 FT MSL AAO 605402.60N/1462134.80W.

RWY 31: 703 FT MSL TREE 605415.82N/1464242.50W.

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
BIRMINGHAM, AL	BIRMINGHAM-SHUTTLESWORTH INTL	10 JANUARY 2013	7

TAKEOFF MINIMUMS:

RWY 24, STANDARD WITH MINIMUM CLIMB OF 271 FT PER NM TO 1400.

RWY 6, 300-1 ¼ WITH MINIMUM CLIMB OF 279 FT PER NM TO 1800 OR STANDARD WITH MINIMUM CLIMB OF 421 FT PER NM TO 1300.

RWY 18, 600-3 WITH MINIMUM CLIMB OF 215 PER NM TO 1400 OR STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 1500.

RWY 36, 300-2 ¼ OR STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 1000.

TEXTUAL DEPARTURE PROCEDURES:

RWY 6 – CLIMB HEADING 058.47 TO 1500 BEFORE PROCEEDING ON COURSE.

RWY 18 – CLIMB HEADING 183.03 TO 2300 BEFORE PROCEEDING ON COURSE.

RWY 24 – CLIMB HEADING 238.48 TO 2300 BEFORE PROCEEDING ON COURSE.

RWY 36 – CLIMB HEADING 003.03 TO 1400 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, TREE 1456 FT FROM DER, 854 FT RIGHT OF CENTERLINE, 61 FT AGL/767 FT MSL. TERRAIN 1759 FT FROM DER, 2 FT RIGHT OF CENTERLINE, 722 FT MSL.

NOTE: RWY 18, RISING TERRAIN BEGINNING 135 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 670 FT MSL. TREE, AND POLES BEGINNING 536 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 46 FT AGL/701 FT MSL. POLES, TOWER, AND TREES BEGINNING 1483 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 64 FT AGL/749 FT MSL.

NOTE: RWY 24, TREE 991 FT FROM DER, 562 FT LEFT OF CENTERLINE, 38 FT AGL/642 FT MSL. SIGN 2394 FT FROM DER, 1018 FT LEFT OF CENTERLINE, 54 FT AGL/671 FT MSL.

NOTE: RWY 36, FENCE, TREE, AND VEHICLES ON ROAD BEGINNING 130 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 28 FT AGL/662 FT MSL. TREE AND POLE BEGINNING 467 FROM DER, 470 FT RIGHT OF CENTERLINE, UP TO 63 FT AGL/726 FT MSL. TREES BEGINNING 637 FT FROM DER, 420 FT LEFT OF CENTERLINE, UP TO 13 FT AGL/696 FT MSL. POLE AND TREE BEGINNING 1353 FT FROM DER, 669 FT LEFT OF CENTERLINE, UP TO 37 FT AGL/739 FT MSL. TREES, POLES, AND FENCE BEGINNING 1279 FT FROM DER, 492 FT RIGHT OF CENTERLINE, UP TO 19 FT AGL/713 FT MSL. TERRAIN BEGINNING 43 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 794 FT MSL.

CONTROLLING OBSTACLES:

RWY 6: 870 FT MSL TREE 333548.10N/0864349.52W. 897 FT MSL TOWER 333508.00N/0864341.00W. 879 FT MSL TREE 333526.51N/0864312.91W. 1479 FT MSL AAO 333600.83N/0864002.53W.

RWY 18: 1219 FT MSL TOWER 333131.00N/0864430.00W. 1119 FT MSL TREE 333040.31N/0864544.08W. 1199 FT MSL AAO 332951.60N/0864340.14W.

RWY 24: 1174 FT MSL BLDG 333107.80N/0864826.22W.

RWY 36: 875 FT MSL TREE 333506.55N/0864435.68W. 919 FT MSL TREE 333610.19N/0864452.92W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 6: 1444 FT MSL TOWER 333343.50N/0864206.50W.

RWY 18: 2049 FT MSL TOWER 332925.00N/0864748.00W.

RWY 24: 2049 FT MSL TOWER 332921.00N/0864756.00W.

RWY 36: 2049 FT MSL TOWER 332925.00N/0864748.00W.

QUALITY
1
CHECKED

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.								
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION												
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 3400 DIRECT KANGE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 356.41 INBOUND. CHART FAS OBST: 1446 TOWER 362145N/0941321W CHART 1595 TOWER 362300N/0941328W. CHART 1403 TREE 362207N/0941303W. DISTANCE TO THLD FROM 250 HATH: 0.64 NM. WAAS CHANNEL # 77830 REFERENCE PATH ID: W18A LTP HAE: 364.8 M								
ZATEB (IF/IAF)	OHGUP (FB)	176.41 / 5.84	3000									
OHGUP (FAF)	MANBE/1.70 NM TO RW18 (FB)	176.41 / 3.53										
MANBE/1.70 NM TO RW18	RW18 (MAP) (FO)	176.41 / 1.70										
RW18 (MAP)	1539 MSL	176.41										
1539 MSL	KANGE (FO)		3400									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N ZATEB, RT, 176.41 INBOUND, 3200 FT. IN LIEU OF PT (IAF) 3. FAC: <u>176.41</u> FAF: <u>OHGUP</u> DIST FAF TO MAP: <u>5.23</u> THLD: <u>5.23</u> 4. MIN. ALT: ZATEB 3200, OHGUP 3000, MANBE/1.70 NM TO RW18 1900* 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>OHGUP 3000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>45.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>				MAG VAR: 4E EPOCH YEAR: 2000								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A								
				STANDARD @								
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1539	1	250	1539	1	250	1539	1	250		NA	
LNAV/VNAV DA	1679	1 1/4	390	1679	1 1/4	390	1679	1 1/4	390		NA	
LNAV MDA	1700	1	411	1700	1	411	1700	1 1/8	411		NA	
CIRCLING	1780	1	482	1780	1	482	1780	1 1/2	482		NA	
NOTES: CHART NOTE: CIRCLING TO RWY 36 NA AT NIGHT. CHART NOTE: BARO-VNAV NA WHEN USING FAYETTEVILLE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 17C (2F) OR ABOVE 54C (130F). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FAYETTEVILLE ALTIMETER SETTING AND (SEE FORM 8260-10) @ NA WHEN LOCAL WEATHER NOT AVAILABLE.												
CITY AND STATE		ELEVATION: 1298 THRE: 1289		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
BENTONVILLE, AR		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 18, AMDT 1		AMDT: ORIG				
		BENTONVILLE MUNI/LOUISE M THADEN FIELD				10 JANUARY 2013		DATED 07/05/2007				



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

INCREASE ALL DA 15 FEET AND ALL MDA 20 FEET.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

*LNAV ONLY

TAA

	FROM	TO	ALT
1.	086/30 CW 266/30 (NOPT)	ZATEB (IF/IAF) (FB)	3200
2.	266/30 CW 086/30	ZATEB (IF/IAF) (FO)	3400

QUALITY
3
CHECKED

CITY AND STATE BENTONVILLE, AR	ELEVATION: 1298 THRE: 1289 AIRPORT NAME: BENTONVILLE MUNI/LOUISE M THADEN FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1 10 JANUARY 2013	SUP:
				AMDT: ORIG
				DATED: 07/05/2007

**RNAV 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	KVBT
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W18A
REFERENCE PATH IDENTIFIER (APPROACH ID)	362102.5085N
LTP/FTP LATITUDE	0941309.4295W
LTP/FTP LONGITUDE	+03648
LTP/FTP ELLIPSOIDAL HEIGHT	361933.2900N
FPAP LATITUDE	0941310.2200W
FPAP LONGITUDE	00045.0
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	1472
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	

CRC REMAINDER

7391E0B7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03929
FPAP ORTHOMETRIC HEIGHT	+03929

CITY AND STATE

BENTONVILLE, AR

ELEVATION: 1298

THRE: 1289

AIRPORT NAME:

BENTONVILLE MUNI/LOUISE M THADEN FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 1

10 JANUARY 2013

SUP:

AMDT:

ORIG

DATED:

07/05/2007

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KVBTK4FR18	AZATEB	010ZATEBK3EA0EE	AR	HF		17640040	+	03200	18000		A	JS
SUSAP	KVBTK4FR18	R	010ZATEBK3EA0E	I	IF			+	03200	18000		A	JS
SUSAP	KVBTK4FR18	R	0200HGUPK4EA1E	F	051TF		17640058	+	03000			A	JS
SUSAP	KVBTK4FR18	R	0200HGUPK4EA2WALPV			ALNAV/VNAV						JS	
SUSAP	KVBTK4FR18	R	021MANBEK4EA0E	S	031TF		17640034	V	0190001907		-300	A	JS
SUSAP	KVBTK4FR18	R	030RW18	K4PGOGY	M	031TF	17640018		01334		-300	A	JS
SUSAP	KVBTK4FR18	R	040		O	M	1764	+	01539			A	JS
SUSAP	KVBTK4FR18	R	050KANGEK4EA0EY		DF			+	03400			A	JS
SUSAP	KVBTK4FR18	R	060KANGEK4EA0EE	R	HM		35640040	+	03400			A	JS

[illegible][illegible]

QUALITY
CHECKED

CITY AND STATE BENTONVILLE, AR	ELEVATION: 1298 THRE: 1299 AIRPORT NAME: BENTONVILLE MUNI/LOUISE M THADEN FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1 10 JANUARY 2013	SUP:
				AMDT: ORIG
				DATED: 07/05/2007

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

RCUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ZATEB	ZATEB	010	IAF	HF	R	FO		176.4 (180.4T)	004.0	AA 03200	
		ZATEB	010	FACF	IF		FB				AA 03200	
		OHGUP	020	FAF	TF		FB	0.5	176.4 (180.4T)	005.8	AA 03000	
		MANBE	021	SDF	TF		FB	0.3	176.4 (180.4T)	003.4	AA 01900 GS 01907	
		RW18	030	MAP	TF		FO	0.3	176.4 (180.4T)	001.8	AT 01334	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		176.4 (180.4T)		AA 01539	
	KANGE	050		DF		FO				AA 03400	
	KANGE	060		HM	R	FO		356.4 (000.4T)	004.0	AA 03400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	KANGE	N360919.31	W0941315.64	N3609.322	W09413.261
	MANBE	N362250.66	W0941308.47	N3622.844	W09413.141
	OHGUP	N362616.78	W0941306.65	N3626.280	W09413.111
	ZATEB	N363207.61	W0941303.53	N3632.127	W09413.059
	RW18	N362102.51	W0941309.43	N3621.042	W09413.157

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	01289	45

CITY AND STATE
BENTONVILLE, AR

ELEVATION: 1298 THRE: 1289
 AIRPORT NAME:
 BENTONVILLE MUNI/LOUISE M THADEN
 FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) RWY 18, AMDT 1
 10 JANUARY 2013

SUP:
 AMDT: ORIG
 DATED: 07/05/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

TAA

	FROM	TO	ALT
1.	266/30 CW 086/30 (NOPT)	266/8 CW 086/8	4500
2.	266/8 CW 086/8	KANGE (IF/IAF) (FB)	3400
3.	086/30 CW 266/30	KANGE (IF/IAF) (FO)	3500

CITY AND STATE

BENTONVILLE, AR

ELEVATION: 1298

THRE: 1292

AIRPORT NAME:

BENTONVILLE MUNI/LOUISE M THADEN FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 1

10 JANUARY 2013

SUP:

AMDT: ORIG

DATED: 07/05/2007

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KVBT
RUNWAY RW36
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W36A
REFERENCE PATH IDENTIFIER (APPROACH ID) 362024.4330N
LTP/FTP LATITUDE 0941309.7715W
LTP/FTP LONGITUDE +03656
LTP/FTP ELLIPSOIDAL HEIGHT 362153.6500N
FPAP LATITUDE 0941308.9800W
FPAP LONGITUDE 00045.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 1504
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

7EA3FF4D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +03937
FPAP ORTHOMETRIC HEIGHT +03937

CITY AND STATE

BENTONVILLE, AR

ELEVATION: 1298

THRE: 1292

AIRPORT NAME:

BENTONVILLE MUNI/LOUISE M THADEN FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 1

10 JANUARY 2013

SUP:

AMDT: ORIG

DATED: 07/05/2007

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KVBTK4FR36	AKANGE	010KANGEK4EA0EE	AR	HF		35640040	+	03400	18000		A	JS
SUSAP	KVBTK4FR36	R	010KANGEK4EA0E	I	IF			+	03400	18000		A	JS
SUSAP	KVBTK4FR36	R	020IDOMYK4EA1E	F	051TF		35640059	+	03000			A	JS
SUSAP	KVBTK4FR36	R	020IDOMYK4EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KVBTK4FR36	R	030RW36	K4PGOGY	M	031TF	35640052		01337	-300		A	JS
SUSAP	KVBTK4FR36	R	040		0	M	3564	+	01542			A	JS
SUSAP	KVBTK4FR36	R	050ZATEBK3EA0EY		DF			+	03200			A	JS
SUSAP	KVBTK4FR36	R	060ZATEBK3EA0EE	R	HM		17640040	+	03200			A	JS

[illegible][illegible]

QUALITY
CHECKED

CITY AND STATE BENTONVILLE, AR	ELEVATION: 1298	THRE: 1292	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 10 JANUARY 2013	SUP:
	AIRPORT NAME: BENTONVILLE MUNI/LOUISE M THADEN FIELD		RNAV		AMDT: ORIG
					DATED: 07/05/2007

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	KANGE	KANGE	010	IAF	HF	R	FO		356.4(000.4T)	004.0	AA 03400	
		KANGE	010	FACF	IF		FB				AA 03400	
		IDOMY	020	FAF	TF		FB	0.5	356.4(000.4T)	005.9	AA 03000	
		RW36	030	MAP	TF		FO	0.3	356.4(000.4T)	005.2	AT 01337	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		356.4(000.4T)		AA 01542	
	ZATEB	050		DF		FO				AA 03200	
	ZATEB	060		HM	R	FO		176.4(180.4T)	004.0	AA 03200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IDOMY	N361510.61	W0941312.54	N3615.177	W09413.209
	KANGE	N360919.31	W0941315.64	N3609.322	W09413.261
	ZATEB	N363207.61	W0941303.53	N3632.127	W09413.059
	RW36	N362024.43	W0941309.77	N3620.407	W09413.163

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	01292	45

4
CHECKED

CITY AND STATE BENTONVILLE, AR	ELEVATION: 1298	THRE: 1292	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 36, AMDT 1	AMDT: ORIG
	BENTONVILLE MUNI/LOUISE M THADEN FIELD	RNAV		10 JANUARY 2013	DATED: 07/05/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES										MISSED APPROACH										
FROM		TO			COURSE AND DISTANCE				ALTITUDE		MAP: 7.31 MILES AFTER RZC VORTAC OR AT WAMSE/ 7.31 DME FIX CLIMBING RIGHT TURN TO 3100 DIRECT RZC VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1471 TOWER 362012N/0941209W CHART 1633 TOWER 361754N/0941021W. CHART 1610 TOWER 362008N/0941034W. FAC CROSSES MID POINT OF RWY 18/36.									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE RZC VORTAC, RT, 317.29 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC 317.29 FAF RZC VORTAC <u> </u> DIST FAF TO MAP <u> </u> THLD <u> </u> 4. MIN. ALT RZC VORTAC 3100, TAGSE/6.31 DME 1960 8. MSA FROM: RZC VORTAC 090-180 4500, 180-090 3600										MAG VAR: 4E EPOCH YEAR:1995										
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @								
CATEGORY >>>>>		A			B			C			D			E						
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA					
CIRCLING	1960	1	662	1960	1	662	1960	1 3/4	662		NA									
TAGSE FIX MINIMUMS																				
CIRCLING	1780	1	482	1780	1	482	1780	1 1/2	482		NA									
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FAYETTEVILLE/SPRINGDALE ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET, INCREASE CAT C VISIBILITY 1/4 MILE. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.																				
CITY AND STATE BENTONVILLE, AR				ELEVATION: 1298 TDZE: AIRPORT NAME: BENTONVILLE MUNI/LOUISE M THADEN FIELD				FACILITY IDENTIFIER: RZC		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 13 10 JANUARY 2013				SUP AMDT 12 DATE 11/25/2006						

PAGE 1 OF 1 PAGES

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

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TERMINAL ROUTES

MISSSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

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

ALTERNATE: N A

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 10 JANUARY 2013

CITY AND STATE
MERIDEN, CT

ELEVATION: 103 TDZE: 99
AIRPORT NAME:
MERIDEN MARKHAM MUNI

FACILITY
IDENTIFIER:
GPS

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
GPS RWY 36, ORIG-A, 08/22/2001

SUP
AMDT ORIG
DATE 05/22/1997

QUALITY
CHECKED

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		LP: RW36 LNAV: RW36 CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2500 DIRECT WEGOT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 212.33 INBOUND. FAS OBST: 400 AAO 412807N/0724836W FAS OBST: 500 AAO 412754N/0724812W OBST: 500 AAO 412754N/0724812W OBST: 480 AAO 412759N/0724812W OBST: 610 AAO 412551N/0724616W CHART VDP AT 1.40 MILES TO RW36 WAAS CHANNEL # 81832 REFERENCE PATH ID: W36A NESSA TO RW36: 3.00/40 LTP HAE: .3 M MAG VAR: 14W EPOCH YEAR: 1995							
YODEL (IAF)		DIKIE (FB)		265.78 / 5.10				2000									
MAD VOR/DME (IAF)		DIKIE (FB)		326.02 / 4.47				2000									
DIKIE (IF)		NESSA (FB)		355.71 / 4.00				1700									
NESSA (FAF)		JANOL/2.60 NM TO RW36 (FB)		355.69 / 2.30													
JANOL/2.60 NM TO RW36		RW36 (MAP) (FO)		355.68 / 2.60													
RW36 (MAP)		800 MSL		355.68				800									
800 MSL		WEGOT (FO)						2500									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT DIKIE 3. FAC: 355.69 FAF: NESSA DIST FAF TO MAP: 4.90 THLD: 4.90 4. MIN. ALT: DIKIE 2000, NESSA 1700, JANOL/2.60 NM TO RW36 960 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: RW36 3100																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @							
CATEGORY =====>	A			B			C			D			E				
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LP MDA	660	1	561	660	1	561		NA			NA						
LNAV MDA	760	1	661	760	1	661		NA			NA						
CIRCLING	780	1	677	780	1	677		NA			NA						
NOTES: CHART NOTE: CIRCLING TO RWY 18 NA AT NIGHT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARTFORD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 103 THRE: 99				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
MERIDEN, CT				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 36, ORIG				AMDT: NONE	
				MERIDEN MARKHAM MUNI								10 JANUARY 2013				DATED	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MAD VOR/DME AIRWAY RADIALS 258 CW 317.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

CHART NOTE: VDP NA WITH HARTFORD ALTIMETER SETTING.

QUALITY
2
CHECKED

CITY AND STATE MERIDEN, CT	ELEVATION: 103 AIRPORT NAME: MERIDEN MARKHAM MUNI	THRE: 99 FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 10 JANUARY 2013	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KMMK
RUNWAY RW36
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W36A
LTP/FTP LATITUDE 413016.8360N
LTP/FTP LONGITUDE 0724939.7190W
LTP/FTP ELLIPSOIDAL HEIGHT +00003
FPAP LATITUDE 413141.4560N
FPAP LONGITUDE 0725017.0270W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1808
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 0.0

CRC REMAINDER

46D4DC65

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00301
FPAP ORTHOMETRIC HEIGHT +00301

QUALITY
2
CHECKED

CITY AND STATE MERIDEN, CT	ELEVATION: 103	THRE: 99	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 10 JANUARY 2013	SUP:
	AIRPORT NAME: MERIDEN MARKHAM MUNI	AMDT: NONE			
	DATED:				

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMMKK6FR36	AMAD	010MAD	K6D 0V	A	IF				18000		A JS	
SUSAP	KMMKK6FR36	AMAD	020DIKIEK6EA0EE	B	010TF		32600045		+ 02000			A JS	
SUSAP	KMMKK6FR36	AYODEL	010YODELK6EA0E	A	IF					18000		A JS	
SUSAP	KMMKK6FR36	AYODEL	020DIKIEK6EA0EE	B	010TF		26580051		+ 02000			A JS	
SUSAP	KMMKK6FR36	R	010DIKIEK6EA0E	I	IF				+ 02000	18000		A JS	
SUSAP	KMMKK6FR36	R	020NESSAK6EA1E	F	051TF		35570040		+ 01700		RW36	K6PGA	JS
SUSAP	KMMKK6FR36	R	020NESSAK6EA2WALP			N		ALNAV					JS
SUSAP	KMMKK6FR36	R	021JANOLK6EA0E	S	031TF		35570023		V 0096000967		-300		A JS
SUSAP	KMMKK6FR36	R	030RW36	K6PGOGY	M	031TF	35570026		00139		-300		A JS
SUSAP	KMMKK6FR36	R	040		0	M	CA	3557		+ 00800			A JS
SUSAP	KMMKK6FR36	R	050WEGOTK6EA0EY	R	DF				+ 02500				A JS
SUSAP	KMMKK6FR36	R	060WEGOTK6EA0EE	L	HM		21230040		+ 02500				A JS

[illegible][illegible]

CITY AND STATE
MERIDEN, CT

ELEVATION: 103 THRE: 999
AIRPORT NAME:
MERIDEN MARKHAM MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 36, ORIG
 10 JANUARY 2013

SUP:	
AMDT:	NONE
DATED:	

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

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

SUSAP KMMKK6PR36 RW36 002E +00301+00301LP 81832

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

SUSAP KMMKK6SRW36 K6PG 0 18018003125 M

QUALITY
2
CHECKED

CITY AND STATE MERIDEN, CT	ELEVATION: 103	THRE: 99	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 10 JANUARY 2013	SUP:
	AIRPORT NAME: MERIDEN MARKHAM MUNI	AMDT: NONE			
	DATED:				

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MAD	MAD	010	IAP	IF		FB					
	MAD	DIKIE	020		TF		FB	1.0	326.0(312.0T)	004.5	AA 02000	
	YODEL	YODEL	010	IAP	IF		FB					
	YODEL	DIKIE	020		TF		FB	1.0	265.8(251.8T)	005.1	AA 02000	
		DIKIE	010	FACF	IF		FB				AA 02000	
		NESSA	020	FAF	TF		FB	0.5	355.7(341.7T)	004.0	AA 01700	
		JANOL	021	SDF	TF		FB	0.3	355.7(341.7T)	002.3	AA 00960	GS 00967
		RW36	030	MAP	TF		FO	0.3	355.7(341.7T)	002.6	AT 00139	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		355.7(341.7T)		AA 00800	
	WEGOT	050		DF	R	FO				AA 02500	
	WEGOT	060		HM	L	FO		212.3(198.3T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MAD	N411849.81	W0724131.89	N4118.830	W07241.532
	DIKIE	N412149.44	W0724556.61	N4121.824	W07245.944
	JANOL	N412748.67	W0724834.47	N4127.811	W07248.575
	NESSA	N412537.42	W0724736.73	N4125.624	W07247.612
	WEGOT	N413225.38	W0723532.19	N4132.423	W07235.537
	YODEL	N412325.37	W0723930.52	N4123.423	W07239.509
	RW36	N413016.84	W0724939.72	N4130.281	W07249.662

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW36	00099	40

QUALITY
2
CHECKED

CITY AND STATE MERIDEN, CT	ELEVATION: 103	THRE: 99	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 10 JANUARY 2013	SUP:
	AIRPORT NAME: MERIDEN MARKHAM MUNI				AMDT: NONE
					DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
ST MARYS, GA	ST MARYS	10 JANUARY 2013	4

TAKEOFF MINIMUMS:

RWY 4, NA – RESTRICTED AIRSPACE.
RWY 13, 22, 31 STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 31 – CLIMBING RIGHT TURN HEADING 320 TO 2100 BEFORE PROCEEDING NORTHWEST BOUND.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, TREES BEGINNING 129 FT FROM DER, 224 FT LEFT OF CENTERLINE, UP TO 94 FT AGL/117 FT MSL. STACK 4532 FT FROM DER, 369 FT LEFT OF CENTERLINE, 150 FT AGL/164 FT MSL. POLE 901 FT FROM DER, 296 FT LEFT OF CENTERLINE, 49 FT AGL/63 FT MSL.

NOTE: RWY 22, BUILDINGS BEGINNING 7 FT FROM DER, 31 FT LEFT OF CENTERLINE, UP TO 41 FT AGL/64 FT MSL. POLES BEGINNING 455 FT FROM DER, 5 FT LEFT OF CENTERLINE, UP TO 35 FT AGL/58 FT MSL. POLES BEGINNING 601 FT FROM DER, 14 FT RIGHT OF CENTERLINE, UP TO 908 FT AGL/931 FT MSL. TREES BEGINNING 309 FT FROM DER, 91 FT LEFT OF CENTERLINE, UP TO 70 FT AGL/93 FT MSL. TREES BEGINNING 493 FT FROM DER, 29 FT RIGHT OF CENTERLINE, UP TO 91 FT AGL/114 FT MSL. TREES BEGINNING 1025 FT FROM DER, 20 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/104 FT MSL. TREES BEGINNING 1073 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 84 FT AGL/107 MSL. TREES BEGINNING 2003 FT FROM DER, 65 FT LEFT OF CENTERLINE, UP TO 97 FT AGL/120 FT MSL. TREES BEGINNING 2016 FT FROM DER, 79 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/123 FT MSL.

NOTE: RWY 31, TREES AND POLE BEGINNING 16 FT FROM DER, 327 FT RIGHT OF CENTERLINE, UP TO 94 FT AGL/118 FT MSL. TREES BEGINNING 588 FT FROM DER, 546 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/ 86 FT MSL. TREES BEGINNING 1674 FT FROM DER, 229 FT LEFT OF CENTERLINE, UP TO 97 FT AGL/120 FT MSL.

CONTROLLING OBSTACLES:

RWY 31: 1641 MSL TOWER 304918.00N-0814412.00W



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE				ALTITUDE		MAP: 4.05 MILES AFTER TIFTO NDB							
PZD VORTAC			TIFTO NDB			113.65 / 46.93				2500		CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 2200 DIRECT TO TIFTO NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 331.08 INBOUND. CHART FAS OBST: 523 TANK 312459N/0832936W TIFTO NDB TO RW33: 3.28/51.							
1. PT <u> L </u> SIDE OF COURSE <u> 151.08 </u> OUTBOUND <u> 2200 </u> FT WITHIN <u> 10 </u> MILES OF <u> TIFTO NDB </u> (IAF) 2. _____ 3. FAC <u> 331.08 </u> FAF <u> TIFTO NDB </u> DIST FAF TO MAP <u> 4.05 </u> THLD <u> 4.05 </u> 4. MIN. ALT <u> TIFTO NDB 1800 </u> 8. MSA FROM: <u> TIFTO NDB 2500 </u>										MAG VAR: 3W EPOCH YEAR: 1990									
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD@							
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
S-33	880	3/4	526	880	3/4	526	880	1	526	880	1 1/2	526							
CIRCLING	900	1	545	920	1	565	1040	2	685	1060	2 1/4	705							
NOTES: CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOULTRIE MUNI ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE S-33 CAT C AND D VISIBILITY 1/4 MILE AND INCREASE CIRCLING CAT D VISIBILITY 1/4 MILE. (SEE FORM 8260-10)																			
CITY AND STATE TIFTON, GA				ELEVATION: 355 TDZE: 354 AIRPORT NAME: HENRY TIFT MYERS				FACILITY IDENTIFIER: TM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 33, AMDT 1A 10 JANUARY 2013				SUP AMDT 1 DATE 09/23/2010					

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

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

NOTES, (CONT.):

CHART NOTE: CIRCLING TO RWYS 10/15/28 NA AT NIGHT.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CITY AND STATE

TIFTON, GA

ELEVATION: 355**TDZE:** 354**AIRPORT NAME:**

HENRY TIFT MYERS

**FACILITY
IDENTIFIER:**

TM

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

NDB RWY 33, AMDT 1A

10 JANUARY 2013

SUP:**AMDT:** 1**DATED:** 09/23/2010

PAGE 1 OF 4 PAGES

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

NOTES, (CONT.):

CHART NOTE: RWY 28 STRAIGHT-IN AND CIRCLING AND CIRCLING TO RWY 10/15 NA AT NIGHT.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IFM VOR ON V578 WESTBOUND.

CITY AND STATE

TIFTON, GA

ELEVATION: 355

TDZE: 350

AIRPORT NAME:

HENRY TIFT MYERS

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, ORIG-A

10 JANUARY 2013

SUP:

AMDT: ORIG

DATED: 09/23/2010

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTMAK7FR28	AIFM	010IFM	K7D 0V	IF					18000		B JS	
SUSAP	KTMAK7FR28	AIFM	020ZOKADK7EA0EY	020TF		09650116		+ 02000				B JS	
SUSAP	KTMAK7FR28	AIFM	030ZOKADK7EA0EE	AR HF		27760040		+ 02000				B JS	
SUSAP	KTMAK7FR28	AOTK	0100TK	K7D 0V A	IF					18000		B JS	
SUSAP	KTMAK7FR28	AOTK	020ZOKADK7EA0EE	B 010TF		00420381		+ 02000				B JS	
SUSAP	KTMAK7FR28	R	010ZOKADK7EA0E	I IF						18000		B JS	
SUSAP	KTMAK7FR28	R	020YEPUBK7EA1E	F 051TF		27760061		+ 02000			RW28	K7PGB JS	
SUSAP	KTMAK7FR28	R	020YEPUBK7EA2WN		N	ALNAV						JS	
SUSAP	KTMAK7FR28	R	030RW28	K7PG0GY M 031TF		27750050		00379		-304		B JS	
SUSAP	KTMAK7FR28	R	040	0 M CA		2775		+ 00755				B JS	
SUSAP	KTMAK7FR28	R	050ZOKADK7EA0EY	R DF				+ 02000				B JS	
SUSAP	KTMAK7FR28	R	060ZOKADK7EA0EE	R HM		27760040		+ 02000				B JS	

[illegible][illegible]

CITY AND STATE TIFTON, GA	ELEVATION: 355	TDZE: 350	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 28, ORIG-A	AMDT: ORIG
	HENRY TIFT MYERS		RNAV	10 JANUARY 2013	DATED: 09/23/2010

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	IFM	IFM	010		IF		FB					
	IFM	ZOKAD	020		TF		FO	2.0	096.5 (093.5T)	011.6	AA 02000	
	IFM	ZOKAD	030	IAF	HF	R	FO		277.6 (274.6T)	004.0	AA 02000	
	OTK	OTK	010	IAF	IF		FB					
	OTK	ZOKAD	020		TF		FB	1.0	004.2 (001.2T)	038.1	AA 02000	
		ZOKAD	010	FACF	IF		FB				AA 02000	
		YEPUB	020	FAF	TF		FB	0.5	277.6 (274.6T)	006.1	AA 02000	
		RW28	030	MAP	TF		FO	0.3	277.5 (274.5T)	005.0	AT 00379	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		277.5 (274.5T)		AA 00755	
	ZOKAD	050		DF	R	FO				AA 02000	
	ZOKAD	060		HM	R	FO		277.6 (274.6T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IFM	N312543.17	W0832919.99	N3125.720	W08329.333
	OTK	N304649.60	W0831647.02	N3046.827	W08316.784
	YEPUB	N312528.72	W0832257.13	N3125.479	W08322.952
	ZOKAD	N312459.81	W0831550.79	N3124.997	W08315.847
	RW28	N312552.23	W0832848.15	N3125.871	W08328.803

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00339	40

CITY AND STATE TIFTON, GA	ELEVATION: 355	TDZE: 350	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: HENRY TIFT MYERS		RNAV	RNAV (GPS) RWY 28, ORIG-A	AMDT: ORIG
				10 JANUARY 2013	DATED: 09/23/2010

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33									Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES										MISSED APPROACH											
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW33											
IFM VOR		JUNOK (FO)		152.88 / 10.99				2200													
JUNOK (IF/IAF)		HOPRO (FB)		332.39 / 6.10				1800													
HOPRO (FAF)		RW33 (MAP) (FO)		332.36 / 4.40																	
RW33 (MAP)		604 MSL		332.36																	
604 MSL		CUNDI (FB)																			
CUNDI		YUSUL (FB)		213.00 / 8.20																	
YUSUL		JUNOK (FO)		123.43 / 14.82				2200													
										CLIMB TO 2200 DIRECT CUNDI AND LEFT TURN ON TRACK 213.00 TO YUSUL AND ON TRACK 123.43 TO JUNOK AND HOLD.											
										ADDITIONAL FLIGHT DATA: CHART FAS OBST: 523 TANK 312459N/0832936W CHART 356 POLE 312507N/0832910W. DISTANCE TO THLD FROM 250 HAT: 0.69 NM. CHART VDP AT 1.41 MILES TO RW33+ *LNAV ONLY. WAAS CHANNEL # 61118 REFERENCE PATH ID: W33A LTP HAE: 76.7 M											
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)																					
2. HOLD SE JUNOK, RT, 332.39 INBOUND, 2200 FT. IN LIEU OF PT (IAF)																					
3. FAC: 332.36 FAF: HOPRO DIST FAF TO MAP: 4.40 THLD: 4.40																					
4. MIN. ALT: JUNOK 2200, HOPRO 1800																					
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:																					
6. MIN GS INCPT: 1800 GS ALT AT: HOPRO 1800 OM: MM: IM:																					
7. GS ANGLE: 3.00 TCH: 43.2 34:1 IS NOT CLEAR																					
8. MSA FROM: RW33 2500										MAG VAR: 3W EPOCH YEAR: 1990											
MINIMUMS																					
TAKEOFF: 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	604	3/4	250	604	3/4	250	604	3/4	250	604	3/4	250									
LNAV/VNAV DA	823	1 1/4	469	823	1 1/4	469	823	1 1/4	469	823	1 1/4	469									
LNAV MDA	840	3/4	486	840	3/4	486	840	3/4	486	840	1	486									
CIRCLING	900	1	545	920	1	565	1040	2	685	1060	2 1/4	705									
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING MOULTRIE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)																					
CITY AND STATE		ELEVATION: 355 TDZE: 354		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:											
TIFTON, GA		AIRPORT NAME: HENRY TIFT MYERS				RNAV (GPS) RWY 33, ORIG-B 10 JANUARY 2013				AMDT: ORIG-A DATED 07/28/2011											

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOULTRIE MUNI ALTIMETER SETTING AND INCREASE LPV AND LNAV/VNAV DA 69 FEET AND ALL MDA 80 FEET AND INCREASE LNAV/VNAV VISIBILITY ALL

CATS 1/4 MILE AND LNAV CATS C AND D VISIBILITY 1/4 MILE, CIRCLING CATS C AND D 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSRs INCREASE LNAV CAT A AND B VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSRs WHEN USING MOLTRIE MUNI ALTIMETER SETTING, INCREASE LPV VISIBILITY ALL CATS 1/2 MILE AND LNAV VISIBILITY CATS A AND B 1/4 MILE.

CHART NOTE: CIRCLING NA AT NIGHT TO RWYS 10/15/28.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CITY AND STATE

TIFTON, GA

ELEVATION: 355

TDZE: 354

AIRPORT NAME:

HENRY TIFT MYERS

**FACILITY
IDENTIFIER:**

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, ORIG-B

10 JANUARY 2013

SUP:

AMDT: ORIG-A

DATED: 07/28/2011

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTMA
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	312514.4400N
LTP/FTP LONGITUDE	0832908.5900W
LTP/FTP ELLIPSOIDAL HEIGHT	+00767
FPAP LATITUDE	312631.2500N
FPAP LONGITUDE	0833001.7000W
THRESHOLD CROSSING HEIGHT (TCH)	00043.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

<u>CRC REMAINDER</u>	745C9886
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ADDITIONAL PATH POINT RECORD INFORMATION

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

CITY AND STATE TIFTON, GA	ELEVATION: 355 TDZE: 354 AIRPORT NAME: HENRY TIFT MYERS	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO/EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG-B 10 JANUARY 2013	SUP:
				AMDT: ORIG-A
				DATED: 07/28/2011

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KTMAK7FR33	AIFM	010IFM	K7D	OV	IF					18000		A JS	
SUSAP KTMAK7FR33	AIFM	020JUNOKK7EA0EY	020TF			15290110	+ 02200					A JS	
SUSAP KTMAK7FR33	AIFM	030JUNOKK7EA0EE	AR	HF		33240040	+ 02200					A JS	
SUSAP KTMAK7FR33	R	010JUNOKK7EA0E	I	IF			+ 02200		18000			A JS	
SUSAP KTMAK7FR33	R	020HOPROK7EA1E	F	051TF		33240061	+ 01800				RW33	K7PGA	JS
SUSAP KTMAK7FR33	R	020HOPROK7EA2WALPV			ALNAV/VNAV ALNAV								JS
SUSAP KTMAK7FR33	R	030RW33	K7PGOGY	M	031TF	33240044	00383		-300			A JS	
SUSAP KTMAK7FR33	R	040	0	M	CA	3324	+ 00604					A JS	
SUSAP KTMAK7FR33	R	050CUNDIK7EA0E		DF								A JS	
SUSAP KTMAK7FR33	R	060YUSULK7EA0E	L	010TFY		2130						A JS	
SUSAP KTMAK7FR33	R	070JUNOKK7EA0EY	010TF			1234						A JS	
SUSAP KTMAK7FR33	R	080JUNOKK7EA0EE	R	HM		33240040	+ 02200					A JS	

[illegible][illegible]

CITY AND STATE TIFTON, GA	ELEVATION: 355	TDZE: 354	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 33, ORIG-B	AMDT: ORIG-A
	HENRY TIFT MYERS		RNAV	10 JANUARY 2013	DATED: 07/28/2011

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

[illegible]

CITY AND STATE TIFTON, GA	ELEVATION: 355	TDZE: 354	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: HENRY TIFT MYERS			RNAV (GPS) RWY 33, ORIG-B	AMDT: ORIG-A
		RNAV		10 JANUARY 2013	DATED: 07/28/2011

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	IFM	IFM	010		IF		FB					
	IFM	JUNOK	020		TF		FO	2.0	152.9 (149.9T)	011.0	AA 02200	
	IFM	JUNOK	030	IAF	HF	R	FO		332.4 (329.4T)	004.0	AA 02200	
		JUNOK	010	FACF	IF		FB				AA 02200	
		HOPRO	020	FAF	TF		FB	0.5	332.4 (329.4T)	006.1	AA 01800	
		RW33	030	MAP	TF		FO	0.3	332.4 (329.4T)	004.4	AT 00383	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		332.4 (329.4T)		AA 00604	
	CUNDI	050		DF		FB					
	YUSUL	060		TF	L	FB	1.0	213.0 (210.0T)			
	JUNOK	070		TF		FO	1.0	123.4 (120.4T)			
	JUNOK	080		HM	R	FO		332.4 (329.4T)	004.0	AA 02200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IFM	N312543.17	W0832919.99	N3125.720	W08329.333
	CUNDI	N313050.67	W0833301.11	N3130.845	W08333.019
	HOPRO	N312127.00	W0832631.49	N3121.450	W08326.525
	JUNOK	N311611.16	W0832253.74	N3116.186	W08322.896
	YUSUL	N312343.56	W0833748.53	N3123.726	W08337.809
	RW33	N312514.44	W0832908.59	N3125.241	W08329.143

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW33	00340	43

CITY AND STATE
TIFTON, GA

ELEVATION: 355
AIRPORT NAME:
HENRY TIFT MYERS

TDZE: 354

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 33, ORIG-B
10 JANUARY 2013

SUP:

AMDT: ORIG-A

DATED: 07/28/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE				ALTITUDE			MAP: IFM VOR						
													CLIMBING LEFT TURN TO 1500 ON IFM VOR R-180 THEN CLIMBING LEFT TURN TO 2000 DIRECT IFM VOR AND HOLD.						
													ADDITIONAL FLIGHT DATA: HOLD E, RT, 264.00 INBOUND. FAS OBST: 559 AAO 312644N/0832449W FAC CROSSES RWY C/L EXTENDED 2888 FROM THLD.						
1. PT <u> L </u> SIDE OF COURSE <u> 084.00 </u> OUTBOUND <u> 2000 </u> FT WITHIN <u> 10 </u> MILES OF <u> IFM VOR </u> (IAF) 2. _____ 3. FAC <u> 264.00 </u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: <u> IFM VOR 2500 </u>										MAG VAR: 1W EPOCH YEAR: 1980									
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
S-28	860	1	510	860	1	510	860	1 1/2	510	860	1 1/2	510							
CIRCLING	900	1	545	920	1	565	1040	2	685	1060	2 1/4	705							
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOULTRIE MUNI ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE S-28 CAT D VISIBILITY 1/4 MILE AND CIRCLING VISIBILITY CATS C AND D 1/4 MILE. @ CAT D 800-2 1/4 CHART NOTE: STRAIGHT-IN AND CIRCLING TO RWY 28 AND CIRCLING TO RWYS 10/15 NA AT NIGHT.																			
CITY AND STATE				ELEVATION: 355 TDZE: 350				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP			
TIFTON, GA				AIRPORT NAME:				IFM				VOR RWY 28, AMDT 10A 10 JANUARY 2013				AMDT 10			
				HENRY TIFT MYERS												DATE 09/23/2010			

FAA FORM 8260-5 / April 2006 (computer generated) PAGE 1 OF 2 PAGES

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

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

NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-33 CATS A/B VISIBILITY TO 1, CAT C VISIBILITY TO 1 1/4, AND CAT D VISIBILITY TO 1 1/2.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING MOULTRIE MUNI ALTIMETER SETTING, INCREASE S-33 CATS C/D VISIBILITY TO 1 3/4.

CITY AND STATE

TIFTON, GA

ELEVATION: 355

TDZE: 354

AIRPORT NAME:

HENRY TIFT MYERS

FACILITY
IDENTIFIER:

IFM

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 33, AMDT 11C

10 JANUARY 2013

SUP:

AMDT: 11B

DATED: 08/23/1986

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA							
MQG VOR/DME		CUPEV INT/MQG 2.30 DME		119.59 / 2.26				5500		CLIMB TO 3000 THEN CLIMBING LEFT TURN TO 5300 DIRECT MQG VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5300.							
WHELE/MQG 13.00 DME CW (IAF)		WIXOP/MQG 13.00 DME (NOPT)		13.00 DME ARC (MQG LR-076)				5400									
PIYOL/MQG 13.00 DME CCW (IAF)		ZAGIM/MQG 13.00 DME (NOPT)		13.00 DME ARC				6400									
ZAGIM/MQG 13.00 DME CCW		WIXOP/MQG 13.00 DME		13.00 DME ARC (MQG LR-095)				5400									
WIXOP/MQG 13.00 DME (IF)		(CFLSK)		263.81 / 7.21 (I-LWS)				5000		ADDITIONAL FLIGHT DATA: HOLD NE, RT, 225.00 INBOUND. CHART MQG R-095 AT ZAGIM. CHART MQG R-300 AT WHELE. CHART MQG R-144 AT PIYOL. CHART OM IN HALF-TONE. CHART MAX 6000 AT CUPEV.							
1. PT <u>L</u> SIDE OF COURSE <u>083.81</u> OUTBOUND <u>5500</u> FT WITHIN <u>10</u> MILES OF <u>CUPEV INT</u> (IAF)																	
2. _____																	
3. FAC: <u>263.81</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____																	
4. MIN. ALT: WIXOP 5400, (CFLSK) 5000																	
5. DIST TO THLD FROM OM: <u>11.05</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>902</u>																	
6. MIN GS INCPT: <u>5000</u> GS ALT AT: (CFLSK) 5000 OM: <u>3391</u> MM: <u>-</u> IM: <u>-</u>																	
7. GS ANGLE: <u>3.00</u> TCH: <u>48.1</u>																	
8. MSA FROM: MQG VOR/DME 090-270 7300, 270-090 6200																	
MAG VAR: 15E EPOCH YEAR: 2010																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		ILS: STANDARD #					
CATEGORY =====>		A			B			C			D			E			
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 26		1634	1/2	200	1634	1/2	200	1634	1/2	200	1634	1/2	200				
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 2500. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MQG VOR/DME AIRWAY RADIALS 054 CW 144.																	
# NA WHEN LOCAL WEATHER NOT AVAILABLE. # NA WHEN CONTROL TOWER CLOSED.																	
CITY AND STATE LEWISTON, ID		ELEVATION: 1442 THRE: 1434 AIRPORT NAME: LEWISTON-NEZ PERCE COUNTY			FACILITY IDENTIFIER: I-LWS			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS RWY 26, AMDT 13 10 JANUARY 2013						SUP: AMDT: 12A DATED 07/29/2010			

FLIGHT STANDARDS SERVICES - FAR PART 97.29

ARINC PACKET - 424-18 - ILS

1	2	3	4	5	6	7	8	9	0	1	2	3
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Page 2 of 4 Pages

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	MQG	MQG	010		IF		FB					
	MQG	CUPEV	020		TF		FB				BT 0600005500	
	MQG	CUPEV	030	IAF	PI	R	FB		038.8 ()	010.0	AA 05500	
	PIYOL	PIYOL	010	IAF	IF		FB					
	PIYOL	ZAGIM	020		AF	L	FB		143.7 ()		AA 06400	
	PIYOL	WIXOP	030		AF	L	FB		095.0 ()		AA 05400	
	WHELE	WHELE	010	IAF	IF		FB					
	WHELE	WIXOP	020		AF	R	FB		300.3 ()		AA 05400	
		WIXOP	010	FACF	IF		FB				AA 05400	GI 05000
		CFLSK	020	FAF	CF		FB		264.0 ()	007.2	GI 05000	GS 05000
		RW26	030	MAP	CF		FO		264.0 ()	011.1	AT 01482	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		263.8 ()		AA 03000	
	MQG	050		DF	L	FO				AA 05300	
	MQG	060		HM	R	FO		225.0 ()	T01.0	AA 05300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MQG	N462253.61	W1165210.24	N4622.894	W11652.171
	CFLSK	N462033.14	W1164422.05	N4620.552	W11644.368
	CUPEV	N462110.44	W1165003.42	N4621.174	W11650.057
	PIYOL	N461025.20	W1164654.65	N4610.420	W11646.911
	WHELE	N463252.72	W1170412.42	N4632.879	W11704.207
	WIXOP	N461926.08	W1163405.04	N4619.435	W11634.084
	ZAGIM	N461722.82	W1163510.84	N4617.380	W11635.181
	RW26	N462215.71	W1170007.52	N4622.262	W11700.125
	ILWS (LOC)	N462227.07	W1170153.54	N4622.451	W11701.892

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	
RW26	01434	48

CITY AND STATE
LEWISTON, IDELEVATION: 1442 THRE: 1434
AIRPORT NAME:
LEWISTON-NEZ PERCE COUNTYFACILITY
IDENTIFIER:
I-LWSPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS RWY 26, AMDT 13
10 JANUARY 2013

SUP:

AMDT: 12A

DATED: 07/29/2010

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
SALEM, IL	SALEM-LECKRONE	10 JANUARY 2013	7

TAKEOFF MINIMUMS:

RWY 36 STANDARD

RWY 18, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 291 FT PER NM TO 900 FT MSL.

TEXTUAL DEPARTURE PROCEDURES:

RWY 18 - CLIMB HEADING 181.39 TO 1900 BEFORE TURNING EAST.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, TREES BEGINNING 272 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/635 FT MSL. ANTENNA TOWER 1.0 NM FROM DER, 257 FT RIGHT OF CENTERLINE, 200 FT AGL/739 FT MSL. TOWER 1.0 NM FROM DER, 126 FT LEFT OF CENTERLINE, 188 FT AGL/724 FT MSL.

NOTE: RWY 36, TREES BEGINNING 59 FT FROM DER, 249 FT RIGHT OF CENTERLINE, UP TO 20 FT AGL/588 FT MSL.

CONTROLLING OBSTACLES:

RWY 18: 724 FT MSL TOWER 383711.64N/0885750.21W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 18 - 1550 FT MSL TOWER 383239.00N/0885526.00W



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: I-ESF 1.21 DME FIX CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 120 AND ON AEX VORTAC R-067 TO LARTO/AEX 24.05 DME/RADAR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 247.35 INBOUND. CHART FAS OBST: 177 TREE 312336N/0921620W 279 AAO 312403N/0921315W CHART IN PLANVIEW: AEX 24.00 DME AT LARTO CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. CHART VDP AT 2.09 DME*; DISTANCE VDP TO THLD 0.89 MILES. *LOC ONLY.											
AEX VORTAC	ESEME/I-ESF 7.02 DME/RADAR	061.10 / 18.69	3000												
LARTO/I-ESF 12.85 DME/RADAR (IF/IAF)	ESEME/I-ESF 7.02 DME/RADAR (NOPT)	269.87 / 5.83 (I-ESF)	2000												
1. PT <u>L</u> SIDE OF COURSE <u>089.87</u> OUTBOUND <u>2500</u> FT WITHIN <u>10</u> MILES OF <u>ESEME</u> (IAF) 2. _____ 3. FAC: <u>269.87</u> FAF: <u>ESEME/I-ESF 7.02 DME/RADAR</u> DIST FAF TO MAP: <u>5.81</u> THLD: <u>5.81</u> 4. MIN. ALT: <u>ESEME 2000, FIDRU/I-ESF 4.11 DME 1060*</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>1208</u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>ESEME 2000</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>59.4</u> 8. MSA FROM: <u>AEX VORTAC 2800</u>				MAG VAR: 1E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A X												
CATEGORY =====>	A		B		C	D	E								
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 27	290	1/2	200	290	1/2	200	290	1/2	200	290	1/2	200			
S-LOC 27	440	1/2	350	440	1/2	350	440	5/8	350	440	5/8	350			
CIRCLING	600	1	488	600	1	488	600	1 1/2	488	740	2	628			
NOTES: CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 14-32 NA AT NIGHT. CHART NOTE: DME OR RADAR REQUIRED. CHART NOTE: VDP NA WITH ALEXANDRIA INTL ALTIMETER SETTING. *LOC ONLY (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 112 THRE: 90		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
ALEXANDRIA, LA		AIRPORT NAME:		I-ESF		ILS OR LOC/DME RWY 27, AMDT 16				AMDT: 15					
		ESLER RGNL				10 JANUARY 2013				DATED 04/08/2010					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALEXANDRIA INTL ALTIMETER SETTING AND INCREASE ALL DA 35 FT AND ALL MDA 40 FT.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 27 CAT C/D VISIBILITY TO 1 1/8 MILE.



CITY AND STATE

ALEXANDRIA, LA

ELEVATION: 112

THRE: 90

AIRPORT NAME:

ESLER RGNL

FACILITY
IDENTIFIER:
I-ESF

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 27, AMDT 16

10 JANUARY 2013

SUP:

AMDT: 15

DATED: 04/08/2010

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

ARINC PACKET - 424-18 - ILS

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KESFK4FI27	AAEX	010AEX	K4D 0V	IF					18000			0	NS
SUSAP KESFK4FI27	AAEX	020ESEMEX4EA0E	TF				- 03000					0	NS
SUSAP KESFK4FI27	AAEX	030ESEMEX4EA0EE	AR	PI	IESFK4	0899007004490100	PI	+	02500			0	NS
SUSAP KESFK4FI27	I	010LARTOK4EA0E	D	IF	IESFK4	08990128	PI	J	025000200018000			0	NS
SUSAP KESFK4FI27	I	020ESEMEX4EA0E	F	CF	IESFK4	0899007027000058	PI	H	0200002000		-300AEX	K4D	0
SUSAP KESFK4FI27	I	030RW27	K4PGOGY M	CF	IESFK4	0899001227000058	PI		00149		-300		0
SUSAP KESFK4FI27	I	040	0 M	CA		2699		+	01500				0
SUSAP KESFK4FI27	I	050	0 R	VIY		1200							0
SUSAP KESFK4FI27	I	060LARTOK4EA0EY		CF	AEX K4	0674024006740090	D	+	03000				0
SUSAP KESFK4FI27	I	070LARTOK4EA0EE	R	HM		2474T010		+	03000				0

[illegible][illegible][illegible]

SUP:	
AMDT:	15
DATED:	04/08/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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SUSAP KESFK4SAEX K4D

0 18018002825

M

CITY AND STATE
ALEXANDRIA, LA

ELEVATION: 112 THRE: 90
AIRPORT NAME:
ESLER RGNL

FACILITY
IDENTIFIER:
I-ESF

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 27, AMDT 16
10 JANUARY 2013

SUP:
AMDT: 15
DATED: 04/08/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	ESEME	020		TF		FB				AA 03000	
	AEX	ESEME	030	IAF	PI	R	FB		044.9()	010.0	AA 02500	
		LARTO	010	FACF	IF		FB				AA 02500 GI 02000	
		ESEME	020	FAF	CF		FB		270.0()	005.8	GI 02000 GS 02000	
		RW27	030	MAP	CF		FO		270.0()	005.8	AT 00149	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		269.9()		AA 01500	
		050		VI	R	FB		120.0()			
	LARTO	060		CF		FO		067.4()	009.0	AA 03000	
	LARTO	070		HM	R	FO		247.4()	001.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	IESF (DME)	N312342.55	W0921836.96	N3123.709	W09218.616
	ESEME	N312333.61	W0921025.00	N3123.560	W09210.417
	LARTO	N312327.75	W0920336.04	N3123.463	W09203.601
	RW27	N312339.10	W0921712.40	N3123.652	W09217.207
	IESF (LOC)	N312340.20	W0921836.60	N3123.670	W09218.610

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW27	00090		59

CITY AND STATE
ALEXANDRIA, LA

ELEVATION: 112 THRE: 90
AIRPORT NAME:
ESLER RGNL

FACILITY
IDENTIFIER:
I-ESF

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 27, AMDT 16
10 JANUARY 2013

SUP:
AMDT: 15
DATED: 04/08/2010

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KESFK4FL27	AAEX	010AEX	K4D	OV	IF				18000			0	DS
SUSAP KESFK4FL27	AAEX	020ESEMEX	4EA0E		TF			+ 03000				0	DS
SUSAP KESFK4FL27	AAEX	030ESEMEX	4EA0EE	AR	PI	IESFK4	0899007004490100	PI	+ 02500			0	DS
SUSAP KESFK4FL27	L	010LARTOK	4EA0E	D	IF	IESFK4	08990128	PI	+ 02500	18000		0	DS
SUSAP KESFK4FL27	L	020ESEMEX	4EA0E	F	CF	IESFK4	0899007027000058	PI	+ 02000		AEX	K4D	0 DS
SUSAP KESFK4FL27	L	021FIDRUK	4EA0E	S	CF	IESFK4	0899004127000029	PI	+ 01060		-301	0	DS
SUSAP KESFK4FL27	L	030RW27	K4PG0GY	M	CF	IESFK4	0899001227000029	PI	00149		-301	0	DS
SUSAP KESFK4FL27	L	040	0	M	CA		2699		+ 01500			0	DS
SUSAP KESFK4FL27	L	050	0	R	VIY		1200					0	DS
SUSAP KESFK4FL27	L	060LARTOK	4EA0EY		CF	AEX K4	0674024006740090	D	+ 03000			0	DS
SUSAP KESFK4FL27	L	070LARTOK	4EA0EE	R	HM		2474T010		+ 03000			0	DS

[illegible][illegible]

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

CITY AND STATE ALEXANDRIA, LA	ELEVATION: 112	THRE: 90	FACILITY IDENTIFIER: I-ESF	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC/DME RWY 27, AMDT 16	SUP:
	AIRPORT NAME: ESLER RGNL			10 JANUARY 2013	AMDT: 15
					DATED: 04/08/2010

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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MSA 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KESFK4SAEX K4D 0 18018002825 M

SUP:	
AMDT:	15
DATED:	04/08/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	ESEME	020		TF		FB				AA 03000	
	AEX	ESEME	030	IAF	PI	R	FB		044.9 ()	010.0	AA 02500	
		LARTO	010	FACF	IF		FB				AA 02500	
		ESEME	020	FAF	CF		FB		270.0 ()	005.8	AA 02000	
		FIDRU	021	SDF	CF		FB		270.0 ()	002.9	AA 01060	
		RW27	030	MAP	CF		FO		270.0 ()	002.9	AT 00149	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		269.9 ()		AA 01500	
		050		VI	R	FB		120.0 ()			
	LARTO	060		CF		FO		067.4 ()	009.0	AA 03000	
	LARTO	070		HM	R	FO		247.4 ()	001.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	IESF (DME)	N312342.55	W0921836.96	N3123.709	W09218.616
	ESEME	N312333.61	W0921025.00	N3123.560	W09210.417
	FIDRU	N312336.41	W0921349.13	N3123.607	W09213.819
	LARTO	N312327.75	W0920336.04	N3123.463	W09203.601
	RW27	N312339.10	W0921712.40	N3123.652	W09217.207
	IESF (LOC)	N312340.20	W0921836.60	N3123.670	W09218.610

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW27	00090		59

CITY AND STATE
ALEXANDRIA, LAELEVATION: 112 THRE: 90
AIRPORT NAME:
ESLER RGNLFACILITY
IDENTIFIER:
I-ESFPROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC/DME RWY 27, AMDT 16
10 JANUARY 2013SUP:
AMDT: 15
DATED: 04/08/2010

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
AEX VORTAC	JEVOB (FO)	349.97 / 8.51	2000	LPV: DA LNAV/VNAV: DA LNAV: RW09											
NUBOY	IBVUW (FB)	079.28 / 18.40	4000												
IBVUW (IAF)	JEVOB (NOPT) (FB)	151.01 / 11.22	2000	CLIMB TO 3000 DIRECT ILULE AND HOLD.											
JEVOB (IF/IAF)	ICIVI (FB)	089.75 / 6.48	1700												
ICIVI (FAF)	HOLAB/2.50 NM TO RW09 (FB)	089.81 / 2.37		ADDITIONAL FLIGHT DATA: HOLD E, RT, 269.99 INBOUND. CHART FAS OBST: 299 TREE 312413N/0921931W CHART R 3801 A-B. DISTANCE TO THLD FROM 200 HATH: 0.46 NM. CHART VDP AT 1.29 MILES TO RW09* *LNAV ONLY. WAAS CHANNEL # 77617 REFERENCE PATH ID: W09A LTP HAE: 3 M											
HOLAB/2.50 NM TO RW09	RW09 (MAP) (FO)	089.83 / 2.50													
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W JEVOB, RT, 089.75 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 089.81 FAF: ICIVI DIST FAF TO MAP: 4.87 THLD: 4.87 4. MIN. ALT: JEVOB 2000, ICIVI 1700, HOLAB/2.50 NM TO RW09 940* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 1700 GS ALT AT: ICIVI 1700 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 52.6 34:1 IS CLEAR 8. MSA FROM: RW09 2800				MAG VAR: 1E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @									
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	296	3/4	200	296	3/4	200	296	3/4	200	296	3/4	200			
LNAV/VNAV DA	609	1 3/4	513	609	1 3/4	513	609	1 3/4	513	609	1 3/4	513			
LNAV MDA	560	1	464	560	1	464	560	1 3/8	464	560	1 3/8	464			
CIRCLING	600	1	488	600	1	488	600	1 1/2	488	740	2	628			
NOTES: CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 14/32 NA AT NIGHT. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ALEXANDRIA INTL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -6C (22F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 112 THRE: 96		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
ALEXANDRIA, LA		AIRPORT NAME: ESLE RGNL				RNAV (GPS) RWY 9, AMDT 2 10 JANUARY 2013				AMDT: 1					
										DATED 04/08/2010					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW09 (MAP)	296 MSL	089.83	
296 MSL	ILULE (FO)		3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AEX VORTAC ON V245-570 SOUTHWEST BOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALEXANDRIA INTL ALTIMETER SETTING AND INCREASE ALL DA 35 FT AND ALL MDA 40 FT; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE.

CITY AND STATE

ALEXANDRIA, LA

ELEVATION: 112

THRE: 96

AIRPORT NAME:

ESLER RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, AMDT 2

10 JANUARY 2013

SUP:

AMDT: 1

DATED: 04/08/2010

RNAV 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	KESF
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	312339.9980N
LTP/FTP LONGITUDE	0921821.5960W
LTP/FTP ELLIPSOIDAL HEIGHT	+00030
FPAP LATITUDE	312338.6500N
FPAP LONGITUDE	0921637.5100W
THRESHOLD CROSSING HEIGHT (TCH)	00052.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

8D8C41E5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00294
FPAP ORTHOMETRIC HEIGHT	+00294

CITY AND STATE

ALEXANDRIA, LA

ELEVATION: 112

THRE: 96

AIRPORT NAME:

ESLER RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, AMDT 2

10 JANUARY 2013

SUP:

AMDT: 1

DATED: 04/08/2010

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KESFK4FR09	AAEX	010AEX	K4D 0V	IF					18000		A JS	
SUSAP	KESFK4FR09	AAEX	020JEVOBK4EA0EY	020TF		35000085	+	02000				A JS	
SUSAP	KESFK4FR09	AAEX	030JEVOBK4EA0EE	AR HF		08980040	+	02000				A JS	
SUSAP	KESFK4FR09	ANUBOY	010NUBOYK4EA0E	IF						18000		A JS	
SUSAP	KESFK4FR09	ANUBOY	020IBVUWK4EA0E	A 020TF		07930184	+	04000				A JS	
SUSAP	KESFK4FR09	ANUBOY	030JEVOBK4EA0EE	B 010TF		15100112	+	02000				A JS	
SUSAP	KESFK4FR09	R	010JEVOBK4EA0E	I IF						18000		A JS	
SUSAP	KESFK4FR09	R	020ICIVIK4EA1E	F 051TF		08980065	+	01700			RW09	K4PGA	JS
SUSAP	KESFK4FR09	R	020ICIVIK4EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KESFK4FR09	R	021HOLABK4EA0E	S 031TF		08980024	V	0094000945		-300		A JS	
SUSAP	KESFK4FR09	R	030RW09	K4PG0GY M 031TF		08980025		00149		-300		A JS	
SUSAP	KESFK4FR09	R	040	0 M	CA	0898	+	00296				A JS	
SUSAP	KESFK4FR09	R	050ILULEK4EA0EY	DF			+	03000				A JS	
SUSAP	KESFK4FR09	R	060ILULEK4EA0EE	R HM		27000040	+	03000				A JS	

[illegible]

CITY AND STATE
ALEXANDRIA, LA

ELEVATION: 112 THRE: 96
AIRPORT NAME: ESLE RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 9, AMDT 2
 10 JANUARY 2013

SUP:	
AMDT:	1
DATED:	04/08/2010

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[illegible]

QUALITY
CHECKED

CITY AND STATE ALEXANDRIA, LA	ELEVATION: 112	THRE: 96	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: ESLER RGNL		RNAV	RNAV (GPS) RWY 9, AMDT 2	AMDT: 1
				10 JANUARY 2013	DATED: 04/08/2010

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
AEX		AEX	010		IF		FB					
AEX		JEVOB	020		TF		FO	2.0	350.0(351.0T)	008.5	AA 02000	
AEX		JEVOB	030	IAF	HF	R	FO		089.8(090.8T)	004.0	AA 02000	
NUBOY		NUBOY	010		IF		FB					
NUBOY		IBVUW	020	IAF	TF		FB	2.0	079.3(080.3T)	018.4	AA 04000	
NUBOY		JEVOB	030		TF		FB	1.0	151.0(152.0T)	011.2	AA 02000	
		JEVOB	010	FACF	IF		FB				AA 02000	
		ICIVI	020	FAF	TF		FB	0.5	089.8(090.8T)	006.5	AA 01700	
		HOLAB	021	SDF	TF		FB	0.3	089.8(090.8T)	002.4	AA 00940	GS 00945
		RW09	030	MAP	TF		FO	0.3	089.8(090.8T)	002.5	AT 00149	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		089.8(090.8T)		AA 00296	
	ILULE	050		DF		FO				AA 03000	
	ILULE	060		HM	R	FO		270.0(271.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	HOLAB	N312342.22	W0922116.83	N3123.704	W09221.281
	IBVUW	N313345.33	W0923746.27	N3133.756	W09237.771
	ICIVI	N312344.27	W0922403.01	N3123.738	W09224.050
	ILULE	N312327.06	W0920250.29	N3123.451	W09202.838
	JEVOB	N312349.56	W0923137.18	N3123.826	W09231.620
	NUBOY	N313040.32	W0925859.68	N3130.672	W09258.995
	RW09	N312340.00	W0921821.60	N3123.667	W09218.360

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00096	53

QUALITY
CHECKED

CITY AND STATE ALEXANDRIA, LA	ELEVATION: 112	THRE: 96	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 9, AMDT 2	AMDT: 1
	ESLER RGNL	RNAV	10 JANUARY 2013	DATED: 04/08/2010	

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.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW27 CLIMB TO 3000 DIRECT HOVUS AND ON TRACK 214.03 TO AEX VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 081.24 INBOUND. CHART FAS OBST: 239 TREE 312415N/0921659W CHART R 3801 A-B. DISTANCE TO THLD FROM 200 HATH: 0.44 NM. CHART VDP AT 1.10 MILES TO RW27* *LNAV ONLY. WAAS CHANNEL # 61103 REFERENCE PATH ID: W27A LTP HAE: .9 M											
AEX VORTAC	ILULE (FO)	069.88 / 24.66	3000												
JOHON (IAF)	ILULE (NOPT) (FB)	298.02 / 14.23	3000												
ILULE (IF/IAF)	ESEME (FB)	269.99 / 6.49	2000												
ESEME (FAF)	FIDRU/2.90 NM TO RW27 (FB)	269.93 / 2.91													
FIDRU/2.90 NM TO RW27	RW27 (MAP) (FO)	269.90 / 2.90													
RW27 (MAP)	290 MSL	269.90													
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 1E EPOCH YEAR: 2010											
2. HOLD E ILULE, RT, 269.99 INBOUND, 3000 FT. IN LIEU OF PT (IAF)															
3. FAC: 269.93 FAF: ESEME DIST FAF TO MAP: 5.81 THLD: 5.81															
4. MIN. ALT: ILULE 3000, ESEME 2000, FIDRU/2.90 NM TO RW27 1060*															
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 2000 GS ALT AT: ESEME 2000 OM: MM: IM:															
7. GS ANGLE: 3.00 TCH: 59.4 34:1 IS CLEAR															
8. MSA FROM: RW27 2800															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	290	1/2	200	290	1/2	200	290	1/2	200	290	1/2	200			
LNAV/VNAV DA	420	5/8	330	420	5/8	330	420	5/8	330	420	5/8	330			
LNAV MDA	500	1/2	410	500	1/2	410	500	3/4	410	500	3/4	410			
CIRCLING	600	1	488	600	1	488	600	1 1/2	488	740	2	628			
NOTES: CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 14-32 NA AT NIGHT. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ALEXANDRIA INTL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -6C (22F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)								@ NA WHEN LOCAL WEATHER NOT AVAILABLE.							
CITY AND STATE		ELEVATION: 112 THRE: 90		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
ALEXANDRIA, LA		AIRPORT NAME:		ESLER RGNL		RNAV (GPS) RWY 27, AMDT 2				AMDT: 1					
						10 JANUARY 2013				DATED 04/08/2010					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
290 MSL	HOVUS (FB)		
HOVUS	AEX VORTAC (FO)	214.03 / 10.14	3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON AEX VORTAC AIRWAY RADIALS 067 CW 123.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALEXANDRIA INTL ALTIMETER SETTING AND INCREASE ALL DA 35 FT AND ALL MDA 40 FT, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY 1/8 MILE.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 MILE AND LNAV CAT C/D VISIBILITY TO 1 1/8.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING ALEXANDRIA INTL ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 MILE.



CITY AND STATE
 ALEXANDRIA, LA

ELEVATION: 112 THRE: 90
 AIRPORT NAME:
 ESLER RGNL

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 27, AMDT 2
 10 JANUARY 2013

SUP:
 AMDT: 1
 DATED: 04/08/2010

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KESF
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	312339.1040N
LTP/FTP LONGITUDE	0921712.3950W
LTP/FTP ELLIPSOIDAL HEIGHT	+00009
FPAP LATITUDE	312340.4400N
FPAP LONGITUDE	0921856.4900W
THRESHOLD CROSSING HEIGHT (TCH)	00059.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

5BB1E0CF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00273
FPAP ORTHOMETRIC HEIGHT	+00273

CITY AND STATE

ALEXANDRIA, LA

ELEVATION: 112

THRE: 90

AIRPORT NAME:

ESLER RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, AMDT 2

10 JANUARY 2013

SUP:

AMDT:

1

DATED: 04/08/2010

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KESFK4FR27	AAEX	010AEX	K4D 0V	IF					18000		A JS	
SUSAP	KESFK4FR27	AAEX	020ILULEK4EA0EY	020TF			06990247	+ 03000				A JS	
SUSAP	KESFK4FR27	AAEX	030ILULEK4EA0EE	AR HF			27000040	+ 03000				A JS	
SUSAP	KESFK4FR27	AJOHON	010JOHONK4EA0E	A IF						18000		A JS	
SUSAP	KESFK4FR27	AJOHON	020ILULEK4EA0EE	B 010TF			29800142	+ 03000				A JS	
SUSAP	KESFK4FR27	R	010ILULEK4EA0E	I IF				+ 03000		18000		A JS	
SUSAP	KESFK4FR27	R	020ESEMEX4EA1E	F 051TF			27000065	+ 02000			RW27	K4PGA JS	
SUSAP	KESFK4FR27	R	020ESEMEX4EA2WALPV		ALNAV/VNAV	ALNAV						JS	
SUSAP	KESFK4FR27	R	021FIDRUK4EA0E	S 031TF			26990029	V 0106001073		-300		A JS	
SUSAP	KESFK4FR27	R	030RW27	K4PG0GY M 031TF			26990029	00149		-300		A JS	
SUSAP	KESFK4FR27	R	040	0 M CA			2699	+ 00290				A JS	
SUSAP	KESFK4FR27	R	050HOVUSK4EA0E	DF								A JS	
SUSAP	KESFK4FR27	R	060AEX	K4D 0VY 010TF			2140	+ 03000				A JS	
SUSAP	KESFK4FR27	R	070AEX	K4D 0VE R HM			08120040	+ 03000				A JS	

[illegible][illegible]

CITY AND STATE
ALEXANDRIA, LA

ELEVATION: 112	THRE: 90
AIRPORT NAME:	ESLER RGNL

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 27, AMDT 2
 10 JANUARY 2013

SUP:	
AMDT:	1
DATED:	04/08/2010

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

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

SUSAP KESFK4PR27 RW27 001 0000W27A0N3123391040W09217123950+000090300N3123404400W09218564900106750920000594F4003505BB1E0CF
SUSAP KESFK4PR27 RW27 002E +00273+00273LPV 61103

MSA 1 2 3 4 5 6 7 8 9 0 1 2 3
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
SUSAP KESFK4SRW27 K4PG 0 18018002825 M

CITY AND STATE
ALEXANDRIA, LA

ELEVATION: 112 THRE: 90
AIRPORT NAME:
ESLER RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 27, AMDT 2
10 JANUARY 2013

SUP:
AMDT: 1
DATED: 04/08/2010

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	ILULE	020		TF		FO	2.0	069.9(070.9T)	024.7	AA 03000	
	AEX	ILULE	030	IAF	HF	R	FO		270.0(271.0T)	004.0	AA 03000	
	JOHON	JOHON	010	IAF	IF		FB					
	JOHON	ILULE	020		TF		FB	1.0	298.0(299.0T)	014.2	AA 03000	
		ILULE	010	FACF	IF		FB				AA 03000	
		ESEME	020	FAF	TF		FB	0.5	270.0(271.0T)	006.5	AA 02000	
		FIDRU	021	SDF	TF		FB	0.3	269.9(270.9T)	002.9	AA 01060	GS 01073
		RW27	030	MAP	TF		FO	0.3	269.9(270.9T)	002.9	AT 00149	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		269.9(270.9T)		AA 00290	
	HOVUS	050		DF		FB					
	AEX	060		TF		FO	1.0	214.0(215.0T)		AA 03000	
	AEX	070		HM	R	FO		081.2(082.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	ESEME	N312333.61	W0921025.00	N3123.560	W09210.417
	FIDRU	N312336.41	W0921349.13	N3123.607	W09213.819
	HOVUS	N312343.70	W0922316.01	N3123.728	W09223.267
	ILULE	N312327.06	W0920250.29	N3123.451	W09202.838
	JOHON	N311632.64	W0914817.87	N3116.544	W09148.298
	RW27	N312339.10	W0921712.40	N3123.652	W09217.207

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27	00090	59

CITY AND STATE ALEXANDRIA, LA	ELEVATION: 112	THRE: 90	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	ESLER RGNL	RNAV	RNAV (GPS) RWY 27, AMDT 2	AMDT: 1
				10 JANUARY 2013	DATED: 04/08/2010

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

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

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

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

MAG VAR: _____ EPOCH YEAR: _____

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

ALTERNATE: NA

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 10 JANUARY 2013

CITY AND STATE MILLINOCKET, ME	ELEVATION: 408 AIRPORT NAME: MILLINOCKET MUNI	TDZE: 408	FACILITY IDENTIFIER: LNT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 29, AMDT 4, 07/30/2009	SUP	NDB OR GPS RWY 29
					AMDT	3A
					DATE	10/03/1995

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

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

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

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

MAG VAR: _____ EPOCH YEAR: _____

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

ALTERNATE: N A

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 10 JANUARY 2013

CITY AND STATE BUTLER, MO	ELEVATION: 892 TDZE: 888 AIRPORT NAME: BUTLER MEMORIAL	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 18, ORIG-B, 08/15/1996	SUP AMDT ORIG-A DATE 04/30/1999
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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.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 4000 DIRECT FONIE AND HOLD, CONTINUE CLIMB IN HOLD TO 4000. ADDITIONAL FLIGHT DATA: HOLD S, RT, 357.91 INBOUND. CHART FAS OBST: 990 TK 381920N/0941959W DISTANCE TO THLD FROM 332 HATH: 0.93 NM. WAAS CHANNEL # 82630 REFERENCE PATH ID: W18A LTP HAE: 233.2 M											
BUM VORTAC	ANIFO (FB)	004.21 / 11.69	3000												
ANIFO (IAF)	LADSY (NOPT) (FB)	087.84 / 5.66	3000												
INRAM (IAF)	LADSY (NOPT) (FB)	177.92 / 11.21	3000												
LADSY (IF/IAF)	REMDY (FB)	177.91 / 5.00	2500												
REMDY (FAF)	FABUV/2.50 NM TO RW18 (FB)	177.91 / 2.50													
FABUV/2.50 NM TO RW18 (SEE FORM 8260-10)	RW18 (MAP) (FO)	177.91 / 2.50													
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N LADSY, RT, 177.91 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>177.91</u> FAF: <u>REMDY</u> DIST FAF TO MAP: <u>5.00</u> THLD: <u>5.00</u> 4. MIN. ALT: LADSY 3000, REMDY 2500, FABUV/2.50 NM TO RW18 1700* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2500</u> GS ALT AT: <u>REMDY 2500</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>37.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW18 2900</u>				MAG VAR: 4E EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A X											
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1203	1 1/8	332	1203	1 1/8	332		NA			NA				
LNAV/VNAV DA	1203	1 1/8	332	1203	1 1/8	332		NA			NA				
LNAV MDA	1340	1	469	1340	1	469		NA			NA				
CIRCLING	1420	1	526	1520	1	626		NA			NA				
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: USE CLINTON ALTIMETER SETTING; WHEN NOT RECEIVED, USE CHARLES B. WHEELER DOWNTOWN ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 894 THRE: 871		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
BUTLER, MO		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 18, ORIG 10 JANUARY 2013				AMDT: NONE					
		BUTLER MEMORIAL								DATED					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW18 (MAP)	1203 MSL	177.91	
1203 MSL	FONIE (FO)		4000

NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BUM VORTAC AIRWAY RADIALS 309 CW 085.

*LNAV ONLY

CITY AND STATE

BUTLER, MO

ELEVATION: 894

THRE: 871

AIRPORT NAME:

BUTLER MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

10 JANUARY 2013

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBUM
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	381742.9190N
LTP/FTP LONGITUDE	0942023.6170W
LTP/FTP ELLIPSOIDAL HEIGHT	+02332
FPAP LATITUDE	381613.7800N
FPAP LONGITUDE	0942027.3900W
THRESHOLD CROSSING HEIGHT (TCH)	00037.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

C95C7EBB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02654
FPAP ORTHOMETRIC HEIGHT	+02654

CITY AND STATE

BUTLER, MO

ELEVATION: 894

THRE: 871

AIRPORT NAME:

BUTLER MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

10 JANUARY 2013

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBUMK3FR18	ABUM	010	BUM K3D 0V	IF						18000		A	JS
SUSAP KBUMK3FR18	ABUM	020	ANIFOK3EA0E	A 020TF			00420117	+	03000			A	JS
SUSAP KBUMK3FR18	ABUM	030	LADSYK3EA0EE	B 010TF			08780057	+	03000			A	JS
SUSAP KBUMK3FR18	AINRAM	010	INRAMK3EA0E	A IF						18000		A	JS
SUSAP KBUMK3FR18	AINRAM	020	LADSYK3EA0EE	B 010TF			17790112	+	03000			A	JS
SUSAP KBUMK3FR18	ALADSY	010	LADSYK3EA0EE	AR HF			17790040	+	03000	18000		A	JS
SUSAP KBUMK3FR18	R	010	LADSYK3EA0E	I IF				+	03000	18000		A	JS
SUSAP KBUMK3FR18	R	020	REMDYK3EA1E	F 051TF			17790050	+	02500		RW18	K3PGA	JS
SUSAP KBUMK3FR18	R	020	REMDYK3EA2W	ALPV	ALNAV/VNAV	ALNAV							JS
SUSAP KBUMK3FR18	R	021	FABUVK3EA0E	S 031TF			17790025	V	0170001703		-300	A	JS
SUSAP KBUMK3FR18	R	030	RW18 K3PGOGY	M 031TF			17790025		00908		-300	A	JS
SUSAP KBUMK3FR18	R	040		0 M CA			1779	+	01203			A	JS
SUSAP KBUMK3FR18	R	050	FONIEK3EA0EY	DF				+	04000			A	JS
SUSAP KBUMK3FR18	R	060	FONIEK3EA0EE	R HM			35790040	+	04000			A	JS

[illegible]

CITY AND STATE BUTLER, MO	ELEVATION: 894	THRE: 871	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 10 JANUARY 2013	SUP:
	AIRPORT NAME: BUTLER MEMORIAL				AMDT: NONE
					DATED:

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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

[illegible]

CITY AND STATE
BUTLER, MO

ELEVATION: 894	THRE: 871
AIRPORT NAME: BUTLER MEMORIAL	

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 18, ORIG
10 JANUARY 2013

SUP:	
AMDT:	NONE
DATED:	

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

RCUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
BUM		BUM	010		IF		FB					
BUM		ANIFO	020	IAF	TF		FB	2.0	004.2(008.2T)	011.7	AA 03000	
BUM		LADSY	030		TF		FB	1.0	087.8(091.8T)	005.7	AA 03000	
INRAM		INRAM	010	IAF	IF		FB					
INRAM		LADSY	020		TF		FB	1.0	177.9(181.9T)	011.2	AA 03000	
LADSY		LADSY	010	IAF	HF	R	FO		177.9(181.9T)	004.0	AA 03000	
		LADSY	010	FACF	IF		FB				AA 03000	
		REMDY	020	FAF	TF		FB	0.5	177.9(181.9T)	005.0	AA 02500	
		FABUV	021	SDF	TF		FB	0.3	177.9(181.9T)	002.5	AA 01700	GS 01703
		RW18	030	MAP	TF		FO	0.3	177.9(181.9T)	002.5	AT 00908	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		177.9(181.9T)		AA 01203	
	FONIE	050		DF		FO				AA 04000	
	FONIE	060		HM	R	FO		357.9(001.9T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BUM	N381619.49	W0942917.74	N3816.325	W09429.296
	ANIFO	N382754.33	W0942710.30	N3827.906	W09427.172
	FABUV	N382013.00	W0942017.27	N3820.217	W09420.288
	FONIE	N380607.87	W0942052.96	N3806.131	W09420.883
	INRAM	N383855.91	W0941929.49	N3838.932	W09419.492
	LADSY	N382743.22	W0941958.16	N3827.720	W09419.969
	REMDY	N382243.08	W0942010.90	N3822.718	W09420.182
	RW18	N381742.92	W0942023.62	N3817.715	W09420.394

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW18	00871		37

CITY AND STATE BUTLER, MO	ELEVATION: 894	THRE: 871	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV(GPS) RWY 18, ORIG 10 JANUARY 2013	SUP:
	AIRPORT NAME: BUTLER MEMORIAL				AMDT: NONE
					DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
BUM VORTAC	FONIE (FO)	142.88 / 12.15	4000	LPV: DA LNAV/VNAV: DA LNAV: RW36
DIZZI (IAF)	FONIE (NOPT) (FB)	021.35 / 13.94	4000	
STARE (IAF)	FONIE (NOPT) (FB)	293.25 / 8.51	4000	CLIMB TO 3000 DIRECT LADSY AND HOLD.
FONIE (IF/IAF)	CEKBO (FB)	357.91 / 5.99	2500	
CEKBO (FAF)	RW36 (MAP) (FO)	357.91 / 4.93		ADDITIONAL FLIGHT DATA: HOLD N, RT, 177.91 INBOUND. CHART FAS OBST: 1293 TOWER 381437N/0942052W DISTANCE TO THLD FROM 332 HATH: 0.93 NM. WAAS CHANNEL # 90530 REFERENCE PATH ID: W36A LTP HAE: 240 M
RW36 (MAP)	1225 MSL	357.91		
1225 MSL	LADSY (FO)		3000	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD S FONIE, RT, 357.91 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 357.91 FAF: CEKBO DIST FAF TO MAP: 4.93 THLD: 4.93
4. MIN. ALT: FONIE 4000, CEKBO 2500
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2500 GS ALT AT: CEKBO 2500 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 35.9 34:1 IS NOT CLEAR
8. MSA FROM: RW36 2900

MAG VAR: 4E

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		X						
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1225	1 1/8	332	1225	1 1/8	332		NA			NA				
LNAV/VNAV DA	1522	2 1/4	629	1522	2 1/4	629		NA			NA				
LNAV MDA	1640	1	747	1640	1 1/4	747		NA			NA				
CIRCLING	1640	1	746	1640	1 1/4	746		NA			NA				

NOTES:
CHART NOTE: BARO-VNAV NA.
CHART NOTE: USE CLINTON ALTIMETER SETTING; WHEN NOT RECEIVED, USE CHARLES B. WHEELER DOWNTOWN
ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY
1/4 MILE.
(SEE FORM 8260-10)

CITY AND STATE BUTLER, MO	ELEVATION: 894 THRE: 893 AIRPORT NAME: BUTLER MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 10 JANUARY 2013	SUP:
				AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BUM VORTAC AIRWAY RADIALS 085 CW 200.

CITY AND STATE

BUTLER, MO

ELEVATION: 894

THRE: 893

AIRPORT NAME:

BUTLER MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, ORIG

10 JANUARY 2013

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KBUM
RUNWAY RW36
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W36A
LTP/FTP LATITUDE 381703.4075N
LTP/FTP LONGITUDE 0942025.2945W
LTP/FTP ELLIPSOIDAL HEIGHT +02400
FPAP LATITUDE 381832.5500N
FPAP LONGITUDE 0942021.5200W
THRESHOLD CROSSING HEIGHT (TCH) 00035.9
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1528
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

4A9388A1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +02721
FPAP ORTHOMETRIC HEIGHT +02721

CITY AND STATE

BUTLER, MO

ELEVATION: 894

THRE: 893

AIRPORT NAME:

BUTLER MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, ORIG

10 JANUARY 2013

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBUMK3FR36	ABUM	010BUM	K3D	0V	IF					18000		A	JS
SUSAP KBUMK3FR36	ABUM	020FONIEK3EA0EY	020TF			14290122	+	04000				A	JS
SUSAP KBUMK3FR36	ABUM	030FONIEK3EA0EE	AR	HF		35790040	+	04000				A	JS
SUSAP KBUMK3FR36	ADIZZI	010DIZZIK3EA0E	A	IF						18000		A	JS
SUSAP KBUMK3FR36	ADIZZI	020FONIEK3EA0EE	B	010TF		02140139	+	04000				A	JS
SUSAP KBUMK3FR36	ASTARE	010STAREK3EA0E	A	IF						18000		A	JS
SUSAP KBUMK3FR36	ASTARE	020FONIEK3EA0EE	B	010TF		29330085	+	04000				A	JS
SUSAP KBUMK3FR36	R	010FONIEK3EA0E	I	IF			+	04000		18000		A	JS
SUSAP KBUMK3FR36	R	020CEKBOK3EA1E	F	051TF		35790060	+	02500			RW36	K3PGA	JS
SUSAP KBUMK3FR36	R	020CEKBOK3EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KBUMK3FR36	R	030RW36	K3PGOGY	M	031TF	35790049		00929		-300		A	JS
SUSAP KBUMK3FR36	R	040	0	M	CA	3579	+	01225				A	JS
SUSAP KBUMK3FR36	R	050LADSYK3EA0EY		DF			+	03000				A	JS
SUSAP KBUMK3FR36	R	060LADSYK3EA0EE	R	HM		17790040	+	03000				A	JS

[illegible][illegible]

CITY AND STATE BUTLER, MO	ELEVATION: 894 THRE: 893 AIRPORT NAME: BUTLER MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 10 JANUARY 2013	SUP:
				AMDT: NONE
				DATED:

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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SUSAP KBUMK3PR36	RW36	001	0000W36A0N3817034075W09420252945+024000300N3818325500W09420215200106751528000359F4005004A9388A1
SUSAP KBUMK3PR36	RW36	002E	+02721+02721LPV 90530

[illegible]

CITY AND STATE BUTLER, MO	ELEVATION: 894 THRE: 893	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BUTLER MEMORIAL	RNAV	RNAV (GPS) RWY 36, ORIG 10 JANUARY 2013	AMDT: NONE
				DATED:

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
BUM		BUM	010		IF		FB					
BUM		FONIE	020		TF		FO	2.0	142.9 (146.9T)	012.2	AA 04000	
BUM		FONIE	030	IAF	HF	R	FO		357.9 (001.9T)	004.0	AA 04000	
DIZZI		DIZZI	010	IAF	IF		FB					
DIZZI		FONIE	020		TF		FB	1.0	021.4 (025.4T)	013.9	AA 04000	
STARE		STARE	010	IAF	IF		FB					
STARE		FONIE	020		TF		FB	1.0	293.3 (297.3T)	008.5	AA 04000	
		FONIE	010	FACF	IF		FB				AA 04000	
		CEKBO	020	FAF	TF		FB	0.5	357.9 (001.9T)	006.0	AA 02500	
		RW36	030	MAP	TF		FO	0.3	357.9 (001.9T)	004.9	AT 00929	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		357.9 (001.9T)		AA 01225	
	LADSY	050		DF		FO				AA 03000	
	LADSY	060		HM	R	FO		177.9 (181.9T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BUM	N381619.49	W0942917.74	N3816.325	W09429.296
	CEKBO	N381207.21	W0942037.81	N3812.120	W09420.630
	DIZZI	N375331.34	W0942826.63	N3753.522	W09428.444
	FONIE	N380607.87	W0942052.96	N3806.131	W09420.883
	LADSY	N382743.22	W0941958.16	N3827.720	W09419.969
	STARE	N380214.08	W0941117.58	N3802.235	W09411.293
	RW36	N381703.41	W0942025.29	N3817.057	W09420.422

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	00893	36

CITY AND STATE
BUTLER, MO

ELEVATION: 894 THRE: 893
 AIRPORT NAME:
 BUTLER MEMORIAL

FACILITY IDENTIFIER:
 RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) RWY 36, ORIG
 10 JANUARY 2013

SUP:
 AMDT: NONE
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 7.02 MILES AFTER BUM VORTAC OR AT BUM 7.02 DME FIX							
CUNON/BUM 7.00 DME CCW (IAF)		WUBIN/BUM 7.00 DME (NOPT)		7.00 DME ARC				2600		CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 2600 DIRECT BUM VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 290.00 INBOUND. CHART BUM R-309 AT CUNON. CHART BUM R-171 AT ZOSKI. FAC CROSSES MIDPOINT OF RWY 18-36							
ZOSKI/BUM 7.00 DME CW (IAF)		WUBIN/BUM 7.00 DME (NOPT)		7.00 DME ARC				2600									
WUBIN/BUM 7.00 DME (IF)		BUM VORTAC		074.34 / 7.00				2600									
1. PT <u>L</u> SIDE OF COURSE <u>254.34</u> OUTBOUND <u>2600</u> FT WITHIN <u>10</u> MILES OF <u>BUM VORTAC</u> (IAF) 2. _____ 3. FAC <u>074.34</u> FAF <u>BUM VORTAC</u> DIST FAF TO MAP <u>7.02</u> THLD _____ 4. MIN. ALT <u>BUM VORTAC 2600</u> 8. MSA FROM: <u>BUM VORTAC 2600</u>														MAG VAR: 7E		EPOCH YEAR: 1965	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A ☒ X ☐									
CATEGORY =====>		A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
CIRCLING	1480	1	586	1520	1	626		NA			NA						
NOTES: CHART NOTE: USE CLINTON ALTIMETER SETTING; WHEN NOT RECEIVED, USE CHARLES B. WHEELER DOWNTOWN ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.																	
CITY AND STATE BUTLER, MO				ELEVATION: 894 AIRPORT NAME: BUTLER MEMORIAL		TDZE:		FACILITY IDENTIFIER: BUM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 5 10 JANUARY 2013				SUP AMDT 4A DATE 01/06/2000			

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33									Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH													
FROM			TO			COURSE AND DISTANCE			ALTITUDE		LNAV: CITSU												
CPN VOR/DME (IAF)			ZISON (FB)			336.65 / 9.53			8300														
ZISON (IF)			AYUNO (FB)			358.99 / 4.82			6900														
AYUNO (FAF)			CITSU (MAP) (FO)			347.00 / 6.77																	
CITSU (MAP)			5093 MSL			347.00																	
5093 MSL			JOGUT (FB)																				
JOGUT			APICI (FB)			277.00 / 13.97																	
APICI			WAKIX (FO)			221.42 / 13.91			13000														
														CLIMB TO 13000 DIRECT JOGUT AND ON TRACK 277.00 TO APICI AND ON TRACK 221.42 TO WAKIX AND HOLD, CONTINUE CLIMB-IN-HOLD TO 13000.									
														ADDITIONAL FLIGHT DATA: HOLD NW, RT, 120.98 INBOUND. FAS OBST: 4960 AAO 461649N/1124653W 5100 AAO 461603N/1124724W CHART AT OR ABOVE 11100 AT CPN VOR/DME. FAC CROSSES MID POINT OF RWY 13-31. CHART ARRIVAL HOLDING AT CPN VOR/DME: HOLD SE, LT, 336.80 INBOUND, 11,100 CHART ANACONDA AWOS-A 122.8									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																							
2. PROFILE STARTS AT ZISON																							
3. FAC: 347.00 FAF: AYUNO _____ DIST FAF TO MAP: 6.77 THLD:																							
4. MIN. ALT: CPN VOR/DME 11100, ZISON 8300, AYUNO 6900																							
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: CITSU 11900														MAG VAR: 13E EPOCH YEAR: 2015									
MINIMUMS																							
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A X													
CATEGORY ==>	A			B			C			D			E										
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA								
CIRCLING	5440	1	747	5480	1	787	5500	2 1/4	807		NA												
NOTES: CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 13 NA AT NIGHT. CHART NOTE: USE ANACONDA ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.																							
CITY AND STATE DEER LODGE, MT			ELEVATION: 4693 TDZE: AIRPORT NAME: DEER LODGE-CITY-COUNTY			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, ORIG 10 JANUARY 2013				SUP: AMDT: NONE DATED											

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 38S K1FRNV-A ACPN	010CPN	K1D OV	C	IF					+ 11100	18000		B JC	
SUSAP 38S K1FRNV-A ACPN	020ZISONK1EA0EE	B	010TF			33670095		+ 08300				B JC	
SUSAP 38S K1FRNV-A R	010ZISONK1EA0E	I	IF					+ 08300	18000			B JC	
SUSAP 38S K1FRNV-A R	020AYUNOK1EA0E	F	051TF			35900048		+ 06900			CITSU K1EAB	JC	
SUSAP 38S K1FRNV-A R	030CITSUK1EA0EY	M	031TF			34700068		05500		000		B JC	
SUSAP 38S K1FRNV-A R	040	0 M	CA			3470		+ 05093				B JC	
SUSAP 38S K1FRNV-A R	050JOGUTK1EA0E		DF									B JC	
SUSAP 38S K1FRNV-A R	060APICIK1EA0E		010TF			2770						B JC	
SUSAP 38S K1FRNV-A R	070WAKIXK1EA0EY		010TF			2214		+ 13000				B JC	
SUSAP 38S K1FRNV-A R	080WAKIXK1EA0EE	R	HM			12100080		+ 13000				B JC	

[illegible]

CITY AND STATE DEER LODGE, MT	ELEVATION: 4693 AIRPORT NAME: DEER LODGE-CITY-COUNTY	TDZE: RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-A, ORIG 10 JANUARY 2013	SUP:
					AMDT: NONE
					DATED:

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CPN	CPN	010	IAF	IF		FB				AA 11100	
	CPN	ZISON	020		TF		FB	1.0	336.7(349.7T)	009.5	AA 08300	
		ZISON	010	FACF	IF		FB				AA 08300	
		AYUNO	020	FAF	TF		FB	0.5	359.0(012.0T)	004.8	AA 06900	
		CITSU	030	MAP	TF		FO	0.3	347.0(360.0T)	006.8	AT 05500	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		347.0(360.0T)		AA 05093	
	JOGUT	050		DF		FB					
	APICI	060		TF		FB	1.0	277.0(290.0T)			
	WAKIX	070		TF		FO	1.0	221.4(234.4T)		AA 13000	
	WAKIX	080		HM	R	FO		121.0(134.0T)	008.0	AA 13000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CPN	N460155.20	W1124451.10	N4601.920	W11244.852
	APICI	N463413.81	W1130454.43	N4634.230	W11304.907
	AYUNO	N461600.66	W1124552.48	N4616.011	W11245.875
	CITSU	N462246.89	W1124552.48	N4622.782	W11245.875
	JOGUT	N462928.75	W1124552.48	N4629.479	W11245.875
	WAKIX	N462607.21	W1132115.99	N4626.120	W11321.267
	ZISON	N461117.78	W1124719.10	N4611.296	W11247.318

CITY AND STATE DEER LODGE, MT	ELEVATION: 4693	TDZE: RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-A, ORIG 10 JANUARY 2013	SUP:
	AIRPORT NAME: DEER LODGE-CITY-COUNTY				AMDT: NONE
					DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
Deer Lodge, MT	Deer Lodge-City-County	10 JANUARY 2013	ORIG

TAKEOFF MINIMUMS:

RWY 13, STANDARD WITH MINIMUM CLIMB OF 275 FT PER NM TO 5700 OR 2300-3 FOR CLIMB IN VISUAL CONDITIONS.
RWY 31, STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 7000 OR 2300-3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWYS 13, 31, CLIMBING RIGHT TURN HEADING 218.00 TO 9700 TO INTERCEPT CPN VOR/DME R-339 TO CPN VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD (HOLD NORTH, LEFT TURN, 166.00 INBOUND) TO CROSS CPN VOR/DME AT OR ABOVE MEA OF INTENDED ROUTE BEFORE PROCEEDING ON COURSE, OR FOR CLIMB IN VISUAL CONDITIONS CROSS DEER LODGE-CITY-COUNTY AIRPORT AT OR ABOVE 6800 THEN PROCEED ON CPN R-339 TO CPN VOR/DME, CONTINUE CLIMB-IN-HOLD (HOLD NORTH, LEFT TURN, 166.00 INBOUND) TO CROSS CPN VOR/DME AT OR ABOVE MEA OF INTENDED ROUTE BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, ROAD BEGINNING 3' FROM DER, 321' RIGHT OF CENTERLINE, 4658' MSL, LIGHT SUPPORT STRUCTURE 9' FROM DER, 28' LEFT OF CENTERLINE, 3' AGL/4630' MSL, TERRAIN 27' FROM DER, 160' RIGHT OF CENTERLINE, 4631' MSL, FENCE 128' FROM DER, 498' RIGHT OF CENTERLINE, 10' AGL, 4650' MSL.

NOTE: RWY 31, ROAD BEGINNING AT DER, 270' LEFT OF CENTERLINE, 4757' MSL, LIGHT SUPPORT STRUCTURE 10' FROM DER, 27' LEFT OF CENTERLINE, 3' AGL/4695' MSL, TERRAIN BEGINNING 155' FROM DER, 93' LEFT OF CENTERLINE, 4743' MSL, TERRAIN BEGINNING 536' FROM DER, 438' RIGHT OF CENTERLINE, 4715' MSL, TERRAIN BEGINNING 1832' FROM DER, 678' LEFT OF CENTERLINE, 4758' MSL, ROAD BEGINNING 1429' FROM DER, EXTENDING 869' LEFT OF CENTERLINE TO 278' RIGHT OF CENTERLINE, 4769' MSL, VERTICAL STRUCTURES 1577' FROM DER, 497' LEFT OF CENTERLINE, 5' AGL, 4754' MSL, TREE 2269' FROM DER, 412' LEFT OF CENTERLINE, 25' AGL/4785' MSL, POLES BEGINNING 4292' FROM DER, 1225' RIGHT OF CENTERLINE, 50' AGL/4891' MSL, ROAD BEGINNING 4577' FROM DER, 1627' LEFT OF CENTERLINE, 4898' MSL, TERRAIN BEGINNING 4824' FROM DER, 30' LEFT OF CENTERLINE, 4932' MSL, AGRICULTURE EQUIPMENT BEGINNING 5237' DER, EXTENDING 71' LEFT OF CENTERLINE TO 1202' RIGHT OF CENTERLINE, 15' AGL/4845' MSL.

CONTROLLING OBSTACLES:

RWY 13: 5399 FT MSL AAO 462002.90N-1124155.55W.

RWY 31: 5071 FT MSL POLE 462440.72N-1124726.63W, 6475 FT MSL AAO 462729.67N-1123643.58W.

VCOA: 6280 FT MSL AAO 462338.00N-1125238.00W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 13, 31, VCOA: 10368 FT MSL AAO 462059.70N-1125846.60W.

REMARKS:

CLIMB-TO-ALTITUDE 6800 FT AND 2300 FT CEILING CALCULATED TO ALLOW CLIMB TO 1000 FT ABOVE CPN VOR/DME ELEVATION OF 5780 FT MSL TO INTERCEPT CPN R-339.

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 4.85 MILES AFTER DEXTO OR AT MAHJU/24.85 DME FIX CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 1700 ON ISO VORTAC R-255 TO DEXTO/ISO 20.00 DME/RADAR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 254.76 INBOUND. CHART FAS OBST: 433 TOWER 351546N/0775727W. CHART ISO R-302 AT ODREY. CHART ISO R-199 AT ODJUH. FINAL COURSE CROSSES RW23 DISPLACED THRESHOLD						
ISO VORTAC (IAF)		BUTER/ISO 12.00 DME/RADAR		254.76 / 12.00				2000								
ODREY/ISO 12.00 DME CCW (IAF)		BUTER/ISO 12.00 DME/RADAR		12.00 DME ARC				2000								
ODJUH/ISO 12.00 DME CW (IAF)		BUTER/ISO 12.00 DME/RADAR		12.00 DME ARC				2000								
BUTER/ISO 12.00 DME/RADAR (IF)		DEXTO/ISO 20.00 DME/RADAR		254.76 / 8.00 (ISO R-255)				1700								
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT ISO VORTAC 3. FAC <u>254.76</u> FAF DEXTO/ISO 20.00 DME/RADAR DIST FAF TO MAP <u>4.85</u> THLD 4. MIN. ALT ISO VORTAC 3000, BUTER 2000, DEXTO 1700 8. MSA FROM: ISO VORTAC 3100 (26 NM)										MAG VAR: 5W		EPOCH YEAR: 1970				
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		X						
CATEGORY =====>		A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
CIRCLING	700	1	534	700	1 1/4	534	700	1 1/2	534		NA					
SEYMOUR JOHNSON AFB ALTIMETER SETTING MINIMUMS																
CIRCLING	720	1	554	720	1 1/4	554	720	1 1/2	554		NA					
NOTES: CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE SEYMOUR JOHNSON AFB ALTIMETER SETTING. CHART NOTE: DME OR RADAR REQUIRED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ISO VORTAC ON AIRWAY RADIALS 219 CW 256. CHART NOTE: CIRCLING TO RWY 5 NA AT NIGHT.																
CITY AND STATE		ELEVATION: 166 AIRPORT NAME:		TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR OR GPS-A				
MOUNT OLIVE, NC		MOUNT OLIVE MUNI		ISO		VOR-A, AMDT 2 10 JANUARY 2013				AMDT 1						
										DATE 09/28/2006						

QUALITY
1
CHECKED

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	LPV: DA LNAV/VNAV: DA LNAV: RW30 CLIMB TO 3200 THEN CLIMBING RIGHT TURN TO 4500 DIRECT RENLY AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 2429 TREE 482138N/1025305W CHART 2726 TOWER 481953N/1024714W. DISTANCE TO THLD FROM 250 HATH: 0.66 NM. WAAS CHANNEL # 56630 REFERENCE PATH ID: W30A LTP HAE: 673.9 M											
FONIA	RENLY (FO)	083.10 / 19.33	4500												
ERUVE (IAF)	RENLY (NOPT) (FB)	256.75 / 7.07	4500												
RENLY (IF/IAF)	GAZUH (FB)	305.39 / 6.02	3800												
GAZUH (FAF)	CETBO/2.70 NM TO RW30 (FB)	305.31 / 1.98													
CETBO/2.70 NM TO RW30	RW30 (MAP) (FO)	305.29 / 2.70													
RW30 (MAP)	3200 MSL	305.29	3200												
3200 MSL	RENLY (FO)		4500												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE RENLY, RT, 305.39 INBOUND, 4500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>305.31</u> FAF: <u>GAZUH</u> DIST FAF TO MAP: <u>4.68</u> THLD: <u>4.68</u> 4. MIN. ALT: RENLY 4500, GAZUH 3800, CETBO/2.70 NM TO RW30 3160* 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>3800</u> GS ALT AT: <u>GAZUH 3800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW30 4000</u>				MAG VAR: 8E EPOCH YEAR: 2015											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	2521	1	250	2521	1	250	2521	1	250	2521	1	250			
LNAV/VNAV DA	2610	1 1/8	339	2610	1 1/8	339	2610	1 1/8	339	2610	1 1/8	339			
LNAV MDA	2720	1	449	2720	1	449	2720	1 3/8	449	2720	1 3/8	449			
CIRCLING	2760	1	489	2840	1	569	2840	1 1/2	569	2980	2 1/4	709			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (2F) OR ABOVE 54C (130F). CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 30 PROCEDURE NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 2271 THRE: 2271		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
TIOGA, ND		AIRPORT NAME: TIOGA MUNI				RNAV (GPS) RWY 30, AMDT 1 10 JANUARY 2013				AMDT: ORIG					
										DATED 08/27/2009					

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLISTON ALTIMETER SETTING AND INCREASE ALL DA 115 FT AND ALL MDA 120 FEET, INCREASE LPV VISIBILITY ALL CATS AND LNAV CAT C/D VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS 3/8 MILE, CIRCLING CAT C AND D 1/2 MILE.

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

QUALITY
CHECKED

CITY AND STATE TIOGA, ND	ELEVATION: 2271 AIRPORT NAME: TIOGA MUNI	THRE: 2271 FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, AMDT 1 10 JANUARY 2013	SUP:
				AMDT: ORIG
				DATED: 08/27/2009

**RNAV 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	D60
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	482229.4540N
LTP/FTP LONGITUDE	1025321.6825W
LTP/FTP ELLIPSOIDAL HEIGHT	+06739
FPAP LATITUDE	482330.4500N
FPAP LONGITUDE	1025459.0500W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1192
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

5AAE270E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+06921
FPAP ORTHOMETRIC HEIGHT	+06921

CITY AND STATE

TIOGA, ND

ELEVATION: 2271

THRE: 2271

AIRPORT NAME:

TIOGA MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, AMDT 1

10 JANUARY 2013

SUP:

AMDT:

ORIG

DATED:

08/27/2009

QUALITY
4
8/27/09

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 D60 K3FR30	AERUVE	010ERUVEK3EA0E	A	IF						18000		A JS	
SUSAP D60 K3FR30	AERUVE	020RENLYK3EA0EE	B	010TF			25680071	+	04500			A JS	
SUSAP D60 K3FR30	AFONIA	010FONIAK3EA0E		IF						18000		A JS	
SUSAP D60 K3FR30	AFONIA	020RENLYK3EA0EY		020TF			08310193	+	04500			A JS	
SUSAP D60 K3FR30	AFONIA	030RENLYK3EA0EE	AR	HF			30540060	+	04500			A JS	
SUSAP D60 K3FR30	R	010RENLYK3EA0E	I	IF						18000		A JS	
SUSAP D60 K3FR30	R	020GAZUHK3EA1E	F	051TF			30540060	+	03800		RW30	K3PGA	JS
SUSAP D60 K3FR30	R	020GAZUHK3EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP D60 K3FR30	R	021CETBOK3EA0E	S	031TF			30530020	V	0316003170		-300		A JS
SUSAP D60 K3FR30	R	030RW30	K3PGOGY	M	031TF		30530027		02311		-300		A JS
SUSAP D60 K3FR30	R	040		0	M	CA	3053	+	03200				A JS
SUSAP D60 K3FR30	R	050RENLYK3EA0EY	R	DF					04500				A JS
SUSAP D60 K3FR30	R	060RENLYK3EA0EE	R	HM			30540060	+	04500				A JS

[illegible][illegible][illegible]

CITY AND STATE TIOGA, ND	ELEVATION: 2271	THRE: 2271	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 30, AMDT 1 10 JANUARY 2013	SUP:
	AIRPORT NAME: TIOGA MUNI				AMDT: ORIG
					DATED: 08/27/2009

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

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SUSAP D60 K3SRW30 K3PG

0 18018004025

M



CITY AND STATE TIOGA, ND	ELEVATION: 2271	THRE: 2271	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 30, AMDT 1 10 JANUARY 2013	SUP:
	AIRPORT NAME: TIOGA MUNI				AMDT: ORIG
					DATED: 08/27/2009

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

RCUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ERUVE	ERUVE	010	IAF	IF		FB					
	ERUVE	RENLY	020		TF		FB	1.0	256.8 (264.8T)	007.1	AA 04500	
	FONIA	FONIA	010		IF		FB					
	FONIA	RENLY	020		TF		FO	2.0	083.1 (091.1T)	019.3	AA 04500	
	FONIA	RENLY	030	IAF	HF	R	FO		305.4 (313.4T)	006.0	AA 04500	
		RENLY	010	FACF	IF		FB				AA 04500	
		GAZUH	020	FAF	TF		FB	0.5	305.4 (313.4T)	006.0	AA 03800	
		CETBO	021	SDF	TF		FB	0.3	305.3 (313.3T)	002.0	AA 03160	GS 03170
		RW30	030	MAP	TF		FO	0.3	305.3 (313.3T)	002.7	AT 02311	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		305.3 (313.3T)		AA 03200	
	RENLY	050		DF	R	FO				AA 04500	
	RENLY	060		HM	R	FO		305.4 (313.4T)	006.0	AA 04500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CETBO	N482038.49	W1025024.80	N4820.642	W10250.413
	ERUVE	N481548.60	W1023109.46	N4815.810	W10231.158
	FONIA	N481535.07	W1031037.54	N4815.585	W10310.626
	GAZUH	N481917.21	W1024815.45	N4819.287	W10248.258
	RENLY	N481509.27	W1024141.96	N4815.155	W10241.699
	RW30	N482229.45	W1025321.68	N4822.491	W10253.361

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW30	02271	40

CITY AND STATE
TIOGA, ND

ELEVATION: **2271** THRE: **2271**
 AIRPORT NAME:
TIOGA MUNI

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 30, AMDT 1
10 JANUARY 2013

SUP:
 AMDT: **ORIG**
 DATED: **08/27/2009**

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	RNP: DA								
NODME (IF)	ZABCO (TF) (FB) (RNP 1.00)	109.48 / 9.58	7200	CLIMB TO 8000 ON TRACK 259.45 TO YANNU THEN ON TRACK 258.41 TO ABQ VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 079.00 INBOUND. CHART FAS OBST: 5431 TREE 350254N/1063330W DISTANCE TO THLD FROM 372 HATH: 1.01 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S #TCH 5404.9 MSL (DO NOT CHART) CHART MANDATORY 9000 AT NODME CHART MANDATORY 9000 AT CADAT								
ZABCO	TRAMY (RF) (FB) (RNP 0.50)	(2.29 NM RADIUS CW CFPQN)/1.29	6900									
CADAT (IF)	TRAMY (TF) (FB) (RNP 0.50)	141.78 / 9.45	6900									
TRAMY	CRNUL (RF) (FB) (RNP 0.30)	(1.73 NM RADIUS CW CFPQM)/.97	6700									
CRNUL (FAF)	%ZUMEX (RF) (FB)	(1.48 NM RADIUS CW CFPQL)/2.21										
(SEE FORM 8260-10)												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT CRNUL 3. FAC: <u> </u> % FAF: <u> </u> DIST FAF TO MAP: <u>4.07</u> THLD: <u> </u> 4. MIN. ALT: CRNUL 6700 5. DIST TO THLD FROM OM: <u>4.07</u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>6700</u> GS ALT AT: CRNUL 6700, ZUMEX 5997 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: 50.0# 34:1 IS NOT CLEAR 8. MSA FROM: RW26 12000												
				MAG VAR: 11E EPOCH YEAR: 1995								
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD						
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED												
RNP 0.15 DA	5727	1 1/4	372	5727	1 1/4	372	5727	1 1/4	372	5727	1 1/4	372
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (11F) OR ABOVE 48C (119F). CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART NOTE: RF REQUIRED. CHART NOTE: GPS REQUIRED. (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 5355 THRE: 5355		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		
ALBUQUERQUE, NM		AIRPORT NAME: ALBUQUERQUE INTL SUNPORT				RNAV (RNP) Y RWY 26, ORIG 10 JANUARY 2013				AMDT: NONE		
										DATED		

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
**RNAV (RNP) - STANDARD,
 INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33**

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZUMEX	%RW26 (MAP) (TF) (FO)	259.47 / 1.86	
RW26 (MAP)	YANNU (TF) (FB) (RNP 1.00)	259.45 / 6.25	
YANNU	ABQ VORTAC (TF) (FO) (RNP 1.00)	258.41 / 5.61	8000

NOTES, (CONT.):

CHART PLANVIEW NOTE AT TRAMY : MAX 180 KIAS.
 CHART PLANVIEW NOTE AT CADAT : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT NODME : MAX 210 KIAS.
 CHART PLANVIEW NOTE: RADAR REQUIRED.
 CHART PLANVIEW NOTE AT NODME: (RNP 0.30).
 CHART PLANVIEW NOTE AT CADAT: (RNP 0.30).
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CITY AND STATE

ALBUQUERQUE, NM

ELEVATION: 5355

THRE: 5355

AIRPORT NAME:

ALBUQUERQUE INTL SUNPORT

**FACILITY
IDENTIFIER:**

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Y RWY 26, ORIG

10 JANUARY 2013

SUP:

AMDT: NONE

DATED:



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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KABQK2FH26-Y	ACADAT	010CADATK2EA0E	B	IF				09000	18000210		A-FS	
SUSAP	KABQK2FH26-Y	ACADAT	020TRAMYK2EA0E		051TF				+ 06900	180		A-FS	
SUSAP	KABQK2FH26-Y	ACADAT	030CRNULK2EA0EE	R031RF		0017301418	17410010		+ 06700		CFPQM K2EAA	FS	
SUSAP	KABQK2FH26-Y	ANODME	010NODMEK2EA0E	B	IF				09000	18000210		A-FS	
SUSAP	KABQK2FH26-Y	ANODME	020ZABCOK2EA0E		010TF				+ 07200			A FS	
SUSAP	KABQK2FH26-Y	ANODME	030TRAMYK2EA0E	R051RF		0022901095	14180013		+ 06900	180	CFPQM K2EAA	FS	
SUSAP	KABQK2FH26-Y	ANODME	040CRNULK2EA0EE	R031RF		0017301418	17410010		+ 06700		CFPQM K2EAA	FS	
SUSAP	KABQK2FH26-Y	H	020CRNULK2EA1E	F	IF				+ 06700	18000	RW26 K2PGA	FS	
SUSAP	KABQK2FH26-Y	H	020CRNULK2EA2W					A152				FS	
SUSAP	KABQK2FH26-Y	H	021ZUMEXK2EA0E	R152RF		0014801741	25950022		+ 05997		-300CFPQL K2EAA	FS	
SUSAP	KABQK2FH26-Y	H	030RW26 K2PG0GY	M	152TF				05405		-300	A FS	
SUSAP	KABQK2FH26-Y	H	040YANNUK2EA0E	M	010TF							A FS	
SUSAP	KABQK2FH26-Y	H	050ABQ K2D 0VY		010TF				+ 08000			A FS	
SUSAP	KABQK2FH26-Y	H	060ABO K2D 0VE	L	HM		07900070		+ 08000			A FS	

[illegible]

CITY AND STATE ALBUQUERQUE, NM	ELEVATION: 5355 THRE: 5355 AIRPORT NAME: ALBUQUERQUE INTL SUNPORT	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 26, ORIG 10 JANUARY 2013	SUP:
				AMDT: NONE
				DATED:

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

SUSAP KABOK2GRW26 0137932595 N35023863W106343189-0300 +1611205355000050150R

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
	SUSAP	KABOK2SRW26	K2PG	0	18018012025							M	

CITY AND STATE ALBUQUERQUE, NM	ELEVATION: 5355 THRE: 5355 AIRPORT NAME: ALBUQUERQUE INTL SUNPORT	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
			RNAV (RNP) Y RWY 26, ORIG	AMDT: NONE
			10 JANUARY 2013	DATED:

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

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

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CADAT	CADAT	010		IF		FB				AT 09000	AB 210
	CADAT	TRAMY	020		TF		FB	0.5			AA 06900	AB 180
	CADAT	CRNUL	030		RF	R	FB	0.3		001.0	AA 06700	
	NODME	NODME	010		IF		FB				AT 09000	AB 210
	NODME	ZABCO	020		TF		FB	1.0			AA 07200	
	NODME	TRAMY	030		RF	R	FB	0.5		001.3	AA 06900	AB 180
	NODME	CRNUL	040		RF	R	FB	0.3		001.0	AA 06700	
		CRNUL	020	FAF	IF		FB				AA 06700	
		ZUMEX	021		RF	R	FB	0.15		002.2	AA 05997	
		RW26	030	MAP	TF		FO	0.15			AT 05405	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	YANNU	040		TF		FB	1.0				
	ABQ	050		TF		FO	1.0			AA 08000	
	ABQ	060		HM	L	FO		079.0 (C90.0T)	007.0	AA 08000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ABQ	N350237.66	W1064858.72	N3502.628	W10648.979
	CADAT	N351320.76	W1063556.92	N3513.346	W10635.949
	CFPQL	N350406.67	W1063215.08	N3504.111	W10632.251
	CFPQM	N350408.00	W1063233.29	N3504.133	W10632.555
	CFPQN	N350352.62	W1063309.69	N3503.877	W10633.162
	CRNUL	N350358.79	W1063027.33	N3503.980	W10630.456
	NODME	N351043.64	W1064148.51	N3510.727	W10641.809
	TRAMY	N350455.49	W1063040.79	N3504.925	W10630.680
	YANNU	N350241.34	W1064208.59	N3502.689	W10642.143
	ZABCO	N350551.11	W1063144.56	N3505.852	W10631.743
	ZUMEX	N350237.73	W1063215.97	N3502.629	W10632.266
	RW26	N350238.63	W1063431.89	N3502.644	W10634.532

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	05355	50

CITY AND STATE
ALBUQUERQUE, NM

ELEVATION: **5355** THRE: **5355**
 AIRPORT NAME:
ALBUQUERQUE INTL SUNPORT

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Y RWY 26, ORIG
10 JANUARY 2013

SUP:
 AMDT: **NONE**
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
TAOS, NM	TAOS RGNL	10 JANUARY 2013	1

TAKEOFF MINIMUMS:

RWY 4, 22, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 4: CLIMBING LEFT TURN TO INTERCEPT TAS VORTAC R-100 TO TAS VORTAC. DO NOT EXCEED 240 KIAS UNTIL TAS VORTAC, THENCE...

RWY 22: CLIMBING RIGHT TURN TO INTERCEPT TAS VORTAC R-100 TO TAS VORTAC, THENCE...

CLIMB IN TAS VORTAC HOLDING PATTERN (HOLD NW, RT, 116.00 INBOUND) TO 12500 BEFORE PROCEEDING ENROUTE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4, TREES BEGINNING 969 FT FROM DER, 307 FT LEFT OF CENTERLINE, UP TO 29 FT AGL/7134 FT MSL. BUILDING 913 FT FROM DER, 417 FT LEFT OF CENTERLINE, 22 FT AGL/7121 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ROUTE DEVELOPMENT:

RWY 4/22 – 13361 FT MSL AAO 363328.70N/1052514.00W, 12505 FT MSL AAO 362937.20N/1052907.30W, 12315 FT MSL AAO 363649.90N/1053251.80W.

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.								
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION												
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 3000 THEN CLIMBING RIGHT TURN TO 4200 DIRECT WHITT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 047.47 INBOUND. CHART FAS OBST: 2046 TREE 410859N/0752425W CHART FAS OBST: 2083 TREE 410913N/0752415W DISTANCE TO THLD FROM 386 HATH: 1.08 NM. WAAS CHANNEL # 48911 REFERENCE PATH ID: W13A LTP HAE: 541.9 M								
LVZ VORTAC (IAF)	DEGDE (FB)	144.20 / 5.30	4200									
VOKYO (IAF)	DEGDE (FB)	062.01 / 12.95	4200									
DEGDE (IF)	CUTKO (FB)	128.01 / 6.00	3400									
CUTKO (FAF)	RW13 (MAP) (FO)	128.09 / 4.63	3000									
RW13 (MAP)	3000 MSL		4200									
3000 MSL	WHITT (FO)											
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 13W EPOCH YEAR: 2005								
2. PROFILE STARTS AT DEGDE												
3. FAC: <u>128.09</u> FAF: <u>CUTKO</u> DIST FAF TO MAP: <u>4.63</u> THLD: <u>4.63</u>												
4. MIN. ALT: DEGDE 4200, CUTKO 3400												
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>												
6. MIN GS INCPT: <u>3400</u> GS ALT AT: <u>CUTKO 3400</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>												
7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR												
8. MSA FROM: RW13 4000												
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @						
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	2270	1 1/4	386	2270	1 1/4	386	2270	1 1/4	386	2270	1 1/4	386
LNAV/VNAV DA	2333	1 1/2	449	2333	1 1/2	449	2333	1 1/2	449	2333	1 1/2	449
LNAV MDA	2340	1	456	2340	1	456	2340	1 3/8	456	2340	1 3/8	456
CIRCLING	2420	1	505	2440	1	525	2500	1 1/2	585	2540	2	625
NOTES: CHART NOTE: WHEN VGSi INOP, CIRCLING RWY 5 AND 31 NA AT NIGHT. CHART NOTE: BARO-VNAV NA WHEN USING WILKES-BARRE/SCRANTON ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART NOTE: WHEN VGSi INOP, STRAIGHT-IN/CIRCLING RWY 13 PROCEDURE NA AT NIGHT. (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 1915 THRE: 1884		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
MOUNT POCONO, PA		AIRPORT NAME: POCONO MOUNTAINS MUNI				RNAV (GPS) RWY 13, AMDT 3		AMDT: 2				
						10 JANUARY 2013		DATED 11/18/2010				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON LVZ VORTAC AIRWAY RADIALS 094 CW 212.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILKES-BARRE/SCRANTON ALTIMETER SETTING

AND INCREASE ALL DA 179 FEET AND ALL MDA 180 FEET. INCREASE LPV AND LNAV/VNAV VISIBILITY ALL CATS

3/4 MILE, LNAV CAT C/D 3/8 MILE AND CIRCLING CAT C VISIBILITY 3/4 MILE AND CAT D VISIBILITY 1/2

MILE.

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



CITY AND STATE
MOUNT POCONO, PA

ELEVATION: 1915 THRE: 1884
AIRPORT NAME:
POCONO MOUNTAINS MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 13, AMDT 3
10 JANUARY 2013

SUP:
AMDT: 2
DATED: 11/18/2010

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMPO
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W13A
REFERENCE PATH IDENTIFIER (APPROACH ID)	410821.9500N
LTP/FTP LATITUDE	0752320.0200W
LTP/FTP LONGITUDE	+05419
LTP/FTP ELLIPSOIDAL HEIGHT	410744.0500N
FPAP LATITUDE	0752133.2900W
FPAP LONGITUDE	00040.0
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	1376
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	

CRC REMAINDER

ABCECF3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+05743
FPAP ORTHOMETRIC HEIGHT	+05743



CITY AND STATE
MOUNT POCONO, PA

ELEVATION: 1915 THRE: 1884
AIRPORT NAME:
POCONO MOUNTAINS MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 13, AMDT 3
10 JANUARY 2013

SUP:	
AMDT:	2
DATED:	11/18/2010

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMPOK6FR13	ALVZ	010LVZ	K6D	OV	A	IF			18000		A	JS
SUSAP	KMPOK6FR13	ALVZ	020DEGDEK6EA0EE	B	010TF			14420053	+	04200		A	JS
SUSAP	KMPOK6FR13	AVOKYO	010VOKYOK6EA0E	A	IF					18000		A	JS
SUSAP	KMPOK6FR13	AVOKYO	020DEGDEK6EA0EE	B	010TF			06200130	+	04200		A	JS
SUSAP	KMPOK6FR13	R	010DEGDEK6EA0E	I	IF				+	04200	18000	A	JS
SUSAP	KMPOK6FR13	R	020CUTKOK6EA1E	F	051TF			12800060	+	03400		RW13	K6PGA JS
SUSAP	KMPOK6FR13	R	020CUTKOK6EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KMPOK6FR13	R	030RW13	K6PG0GY	M	031TF		12810046		01924	-300	A	JS
SUSAP	KMPOK6FR13	R	040		0	M	CA	1281	+	03000		A	JS
SUSAP	KMPOK6FR13	R	050WHITTK6EA0EY	R	DF				+	04200		A	JS
SUSAP	KMPOK6FR13	R	060WHITTK6EA0EE	R	HM			04750050	+	04200		A	JS

[illegible][illegible]

SUP:	
AMDT:	2
DATED:	11/18/2010

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

[illegible]

SUP:	
AMDT:	2
DATED:	11/18/2010

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	LVZ	LVZ	010	IAF	IF		FB					
	LVZ	DEGDE	020		TF		FB	1.0	144.2 (131.2T)	005.3	AA 04200	
	VOKYO	VOKYO	010	IAF	IF		FB					
	VOKYO	DEGDE	020		TF		FB	1.0	062.0 (049.0T)	013.0	AA 04200	
		DEGDE	010	FACF	IF		FB				AA 04200	
		CUTKO	020	FAF	TF		FB	0.5	128.0 (115.0T)	006.0	AA 03400	
		RW13	030	MAP	TF		FO	0.3	128.1 (115.1T)	004.6	AT 01924	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		128.1 (115.1T)		AA 03000	
	WHITT	050		DF	R	FO				AA 04200	
	WHITT	060		HM	R	FO		047.5 (034.5T)	005.0	AA 04200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LVZ	N411622.09	W0754122.08	N4116.368	W07541.368
	CUTKO	N411020.05	W0752853.31	N4110.334	W07528.889
	DEGDE	N411252.57	W0753605.31	N4112.876	W07536.089
	VOKYO	N410423.26	W0754902.58	N4104.388	W07549.043
	WHITT	N410157.99	W0754115.19	N4101.967	W07541.253
	RW13	N410821.95	W0752320.02	N4108.366	W07523.334

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	01884	40

CITY AND STATE
MOUNT POCONO, PA

ELEVATION: 1915 THRE: 1884
 AIRPORT NAME:
 POCONO MOUNTAINS MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) RWY 13, AMDT 3
 10 JANUARY 2013

SUP:
 AMDT: 2
 DATED: 11/18/2010

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SCoup ON V162 NORTHEAST BOUND AND V226 SOUTHEAST BOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILKES-BARRE/SCRANTON ALTIMETER SETTING

AND INCREASE ALL DA 179 FEET AND ALL MDA 180 FEET. INCREASE LPV AND LNAV/VNAV ALL CATS

VISIBILITY 5/8 MILE. INCREASE LNAV CATS C AND D 3/8 MILE AND CIRCLING CAT C VISIBILITY 3/4 MILE

AND CIRCLING CAT D VISIBILITY 1/2 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BEERS ON V149-408 NORTHBOUND AND ON V232 NORTHWEST BOUND.



CITY AND STATE MOUNT POCONO, PA	ELEVATION: 1915 THRE: 1878 AIRPORT NAME: POCONO MOUNTAINS MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 2 10 JANUARY 2013	SUP:
				AMDT: 1
				DATED: 11/18/2010

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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



CITY AND STATE

MOUNT POCONO, PA

ELEVATION: 1915

THRE: 1878

AIRPORT NAME:

POCONO MOUNTAINS MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, AMDT 2

10 JANUARY 2013

SUP:

AMDT:

1

DATED:

11/18/2010

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMPO
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	410803.0500N
LTP/FTP LONGITUDE	0752226.7900W
LTP/FTP ELLIPSOIDAL HEIGHT	+05401
FPAP LATITUDE	410840.9400N
FPAP LONGITUDE	0752413.5400W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

6FB845C6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+05725
FPAP ORTHOMETRIC HEIGHT	+05725

CITY AND STATE

MOUNT POCONO, PA

ELEVATION: 1915

THRE: 1878

AIRPORT NAME:

POCONO MOUNTAINS MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, AMDT 2

10 JANUARY 2013

SUP:

AMDT:

1

DATED:

11/18/2010

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMPOK6FR31	ABEERS	010BEERSK6EA0E		IF					18000		A	JS
SUSAP	KMPOK6FR31	ABEERS	020ZUCRYK6EA0E	A	020TF		10650102	+	04200			A	JS
SUSAP	KMPOK6FR31	ABEERS	030WONNUK6EA0EE	B	010TF		03830117	+	04000			A	JS
SUSAP	KMPOK6FR31	ASC0UP	010SC0UPK6EA0E	A	IF					18000		A	JS
SUSAP	KMPOK6FR31	ASC0UP	020WONNUK6EA0EE	B	010TF		27460038	+	04000			A	JS
SUSAP	KMPOK6FR31	R	010WONNUK6EA0E	I	IF					18000		A	JS
SUSAP	KMPOK6FR31	R	020YUKPUK6EA1E	F	051TF		30830078	+	03400		RW31	K6PGA	JS
SUSAP	KMPOK6FR31	R	020YUKPUK6EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KMPOK6FR31	R	030RW31 K6PG0GY M	031TF			30820046		01933	-300		A	JS
SUSAP	KMPOK6FR31	R	040	0	M	CA	3082	+	02217			A	JS
SUSAP	KMPOK6FR31	R	050RYANFK6EA0E		DF							A	JS
SUSAP	KMPOK6FR31	R	060WHITTK6EA0EY		010TF		2276	+	04200			A	JS
SUSAP	KMPOK6FR31	R	070WHITTK6EA0EE	R	HM		04750050	+	04200			A	JS

[illegible][illegible]

CITY AND STATE MOUNT POCONO, PA	ELEVATION: 1915	THRE: 1878	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 2	SUP:
	AIRPORT NAME: POCONO MOUNTAINS MUNI		RNAV	10 JANUARY 2013	AMDT: 1
					DATED: 11/18/2010

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

[illegible]

CITY AND STATE MOUNT POCONO, PA	ELEVATION: 1915 THRE: 1878	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: POCONO MOUNTAINS MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 2	AMDT: 1
			10 JANUARY 2013	DATED: 11/18/2010

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BEERS	BEERS	010		IF		FB					
	BEERS	ZUCRY	020	IAF	TF		FB	2.0	106.5 (093.5T)	010.2	AA 04200	
	BEERS	WONNU	030		TF		FB	1.0	038.3 (025.3T)	011.7	AA 04000	
	SCOUP	SCOUP	010	IAF	IF		FB					
	SCOUP	WONNU	020		TF		FB	1.0	274.6 (261.6T)	003.8	AA 04000	
		WONNU	010	FACF	IF		FB				AA 04000	
		YUKPU	020	FAF	TF		FB	0.5	308.3 (295.3T)	007.8	AA 03400	
		RW31	030	MAP	TF		FO	0.3	308.2 (295.2T)	004.6	AT 01933	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		308.2 (295.2T)		AA 02217	
	RYANF	050		DF		FB					
	WHITT	060		TF		FO	1.0	227.6 (214.6T)		AA 04200	
	WHITT	070		HM	R	FO		047.5 (034.5T)	005.0	AA 04200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BEERS	N405247.50	W0752737.36	N4052.792	W07527.623
	RYANF	N411136.36	W0753229.24	N4111.606	W07532.487
	SCOUP	N410318.69	W0750234.36	N4103.312	W07502.573
	WHITT	N410157.99	W0754115.19	N4101.967	W07541.253
	WONNU	N410245.06	W0750735.25	N4102.751	W07507.588
	YUKPU	N410605.36	W0751655.93	N4106.089	W07516.932
	ZUCRY	N405209.70	W0751411.17	N4052.162	W07514.186
	RW31	N410803.05	W0752226.79	N4108.051	W07522.447

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION
	RW31	01878
		TCH
		55

CITY AND STATE MOUNT POCONO, PA	ELEVATION: 1915	THRE: 1878	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 2 10 JANUARY 2013	SUP:
	AIRPORT NAME: POCONO MOUNTAINS MUNI				AMDT: 1
					DATED: 11/18/2010

U.S. DEPARTMENT OF TRANSPORTATION -- FEDERAL AVIATION ADMINISTRATION
RADAR -- STANDARD INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE -- TITLE 14 CFR PART 97.31

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

Initial approach minimum altitude(s) shall correspond with those established for enroute operation in the particular area or as set forth below. Positive identification must be established with the radar controller. From initial contact with radar to final authorized landing minimums, the instructions of the radar controller are mandatory except when; (A) Visual contact is established on final approach at or before descent to the authorized landing minimums; or (B) at pilot's discretion if it appears desirable to discontinue the approach.

Except when the radar controller may direct otherwise prior to final approach, a missed approach shall be executed as provided below when; (A) communications on final approach is lost for more than 5 seconds during a precision approach, or for more than 30 seconds during a surveillance approach; (B) directed by radar controllers; (C) visual contact is not established upon descent to authorized landing minimums; or (D) if landing is not accomplished.

RADAR TERMINAL AREA MANEUVERING SECTORS AND ALTITUDES <i>(Sectors and distances measured from radar antenna)</i>												MISSED APPROACH			
FROM	T O	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	MAP:			

MINIMUMS

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

NOTES: PROCEDURE CANCELED EFFECTIVE 10 JANUARY 2013	ADDITIONAL FLIGHT DATA			
	TDZE:	RWY:	TDZE:	RWY:
	TDZE:	RWY:	TDZE:	RWY:
	MAG VAR: _____ EPOCH YEAR: _____			

LOST COMMUNICATIONS (ALL RWYS):

CITY AND STATE	ELEVATION:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
FLORENCE, SC	AIRPORT NAME: 146 FLORENCE RGNL	FLO	RADAR-1, AMDT 1, 03/12/2009	AMDT: ORIG-A
				DATED: 06/11/1998

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
MARLIN, TX	MARLIN	10 JANUARY 2013	ORIG

TAKEOFF MINIMUMS:

RWY 17, 35 STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, POWER LINES BEGINNING 411 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 125 FEET AGL/524 FEET MSL. BUILDING 7 FEET FROM DER, 155 FEET LEFT OF CENTERLINE, 30 FEET AGL/439 FEET MSL. TREES BEGINNING 656 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 50 FEET AGL/449 FEET MSL. BUILDING 309 FEET FROM DER, 100 FEET LEFT OF CENTERLINE 30 FEET AGL/439 FEET MSL. VEHICLES IN PARKING LOT 364 FEET FROM DER, ON CENTERLINE, UP TO 15 FEET AGL/415 FEET MSL.

NOTE: RWY 35, TREES 225 FEET FROM DER, 232 FEET RIGHT OF CENTERLINE, UP TO 50 FEET AGL/469 FEET MSL. TREES 181 FEET FROM DER, 240 FEET LEFT OF CENTERLINE, UP TO 50 FEET AGL/459 FEET MSL. TREES BEGINNING 708 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 50 FEET AGL/469 FEET MSL. VEHICLES 68 FEET FROM DER, 347 FEET RIGHT OF CENTERLINE, UP TO 15 FEET AGL/424 FEET MSL.

CONTROLLING OBSTACLES:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

MISSED APPROACH

FROM

TO

COURSE AND DISTANCE

ALTITUDE

ADDITIONAL FLIGHT DATA:

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

2. _____

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

4. MIN. ALT _____

8. MSA FROM: _____

MAG VAR: _____

EPOCH YEAR: _____

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

ALTERNATE: N/A

CATEGORY =====>

A

B

C

D

E

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

MDA

VIS

HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 10 JANUARY 2013

CITY AND STATE

OLNEY, TX

ELEVATION: 1275

TDZE: 1275

AIRPORT NAME:

OLNEY MUNI

FACILITY
IDENTIFIER:
GPS

PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:

GPS RWY 17, ORIG, 12/02/1999

SUP

AMD'T

NONE

DATE

QUALITY
2
CHECKED

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								
CIYAL			OPEBY (FO)			353.43 / 29.98			4000			LPV: DA LNAV/VNAV: DA LNAV: RW17 CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 5000 DIRECT KARYN AND HOLD.					
NIFDE (IAF)			OPEBY (NOPT) (FB)			117.01 / 14.05			4000								
POSTE (IAF)			OPEBY (NOPT) (FB)			193.03 / 6.15			4000			ADDITIONAL FLIGHT DATA: HOLD SE, LT, 333.20 INBOUND. CHART FAS OBST: 1354 TOWER 332147N/0985013W CHART FAS OBST: 1364 TREE 332226N/0984948W DISTANCE TO THLD FROM 317 HATH: 0.87 NM. WAAS CHANNEL # 97332 REFERENCE PATH ID: W17A CHART GRAHAM AWOS-3 LTP HAE: 360.2 M					
KARYN (IAF)			OPEBY (NOPT) (FB)			255.22 / 20.97			4000								
OPEBY (IF/IAF)			LIEGE (FB)			175.30 / 6.06			2800								
LIEGE (FAF)			REGKO/1.90 NM TO RW17 (FB)			175.30 / 2.76											
(SEE FORM 8260-10)																	
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N OPEBY, LT, 175.30 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>175.30</u> FAF: <u>LIEGE</u> DIST FAF TO MAP: <u>4.66</u> THLD: <u>4.66</u> 4. MIN. ALT: OPEBY 4000, LIEGE 2800, REGKO/1.90 NM TO RW17 1920* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2800</u> GS ALT AT: <u>LIEGE 2800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW17 3000</u>																	
												MAG VAR: 5E				EPOCH YEAR: 2015	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A ☐ X ☐							
CATEGORY =====>		A			B			C			D			E			
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA		1592	1	317	1592	1	317	1592	1	317		NA					
LNAV/VNAV DA		1592	1	317	1592	1	317	1592	1	317		NA					
LNAV MDA		1700	1	425	1700	1	425	1700	1 1/4	425		NA					
CIRCLING		1760	1	485	1760	1	485	1760	1 1/2	485		NA					
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: USE GRAHAM ALTIMETER SETTING; WHEN NOT RECEIVED, USE KICKAPOO DOWNTOWN ALTIMETER SETTING AND INCREASE ALL DA 51 FEET AND ALL LPV AND LNAV/VNAV VISIBILITIES 1/4 MILE, INCREASE ALL MDA 60 FEET AND LNAV CAT C VISIBILITY 1/8 MILE. (SEE FORM 8260-10)																	
CITY AND STATE		ELEVATION: 1275			THRE: 1275			FACILITY IDENTIFIER:			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
OLNEY, TX		AIRPORT NAME:			OLNEY MUNI			RNAV			RNAV (GPS) RWY 17, ORIG 10 JANUARY 2013			AMDT: NONE			
													DATED				

 QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
REGKO/1.90 NM TO RW17	RW17 (MAP) (FO)	175.30 / 1.90	
RW17 (MAP)	1700 MSL	175.30	1700
1700 MSL	KARYN (FO)		5000

NOTES, (CONT.):

CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 17 PROCEDURE NA AT NIGHT.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CIYAL ON V16 SOUTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT POSTE ON V77 NORTHBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KARYN ON V568 SOUTHEAST BOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CITY AND STATE
 OLNEY, TX

ELEVATION: 1275 THRE: 1275
 AIRPORT NAME:
 OLNEY MUNI

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 17, ORIG
 10 JANUARY 2013

SUP:
 AMDT: NONE
 DATED:

QUALITY
 2
 CHECKED

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

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

0
0
KONY
RW17
0

0
W17A
332128.4255N
0984912.8365W
+03602
331959.1600N
0984913.4000W
00040.0
F
03.00
106.75
1192
40.0
50.0

CRC REMAINDER

93F35C16

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K4
+03887
+03887

QUALITY
2
CHECKED

CITY AND STATE

OLNEY, TX

ELEVATION: 1275

THRE: 1275

AIRPORT NAME:

OLNEY MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG

10 JANUARY 2013

SUP:

AMDT:

NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KONYK4FR17	ACIYAL	010CIYALK4EA0E	IF						18000		A	JS
SUSAP	KONYK4FR17	ACIYAL	020OPEBYK4EA0EY	020TF		35340300		+ 04000				A	JS
SUSAP	KONYK4FR17	ACIYAL	030OPEBYK4EA0EE	AL HF		17530040		+ 04000				A	JS
SUSAP	KONYK4FR17	AKARYN	010KARYNK4EA0E	A IF						18000		A	JS
SUSAP	KONYK4FR17	AKARYN	020OPEBYK4EA0EE	B 010TF		25520210		+ 04000				A	JS
SUSAP	KONYK4FR17	ANIFDE	010NIFDEK4EA0E	A IF						18000		A	JS
SUSAP	KONYK4FR17	ANIFDE	020OPEBYK4EA0EE	B 010TF		11700141		+ 04000				A	JS
SUSAP	KONYK4FR17	APOSTE	010POSTEK4EA0E	A IF						18000		A	JS
SUSAP	KONYK4FR17	APOSTE	020OPEBYK4EA0EE	B 010TF		19300062		+ 04000				A	JS
SUSAP	KONYK4FR17	R	010OPEBYK4EA0E	I IF				+ 04000		18000		A	JS
SUSAP	KONYK4FR17	R	020LIEGEK4EA1E	F 051TF		17530061		+ 02800			RW17	K4PGA	JS
SUSAP	KONYK4FR17	R	020LIEGEK4EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KONYK4FR17	R	021REGKOK4EA0E	S 031TF		17530028		V 0192001920		-300		A	JS
SUSAP	KONYK4FR17	R	030RW17 K4PGOGY	M 031TF		17530019		01315		-300		A	JS
SUSAP	KONYK4FR17	R	040	0 M CA		1753		+ 01700				A	JS
SUSAP	KONYK4FR17	R	050KARYNK4EA0EY	L DF				+ 05000				A	JS
SUSAP	KONYK4FR17	R	060KARYNK4EA0EE	L HM		33320050		+ 05000				A	JS

[illegible][illegible]

QUALITY
89012
2
CHECKED

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

[illegible]

QUALITY
2
CHECKED

CITY AND STATE OLNEY, TX	ELEVATION: 1275	THRE: 1275	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 17, ORIG	AMDT: NONE
	OLNEY MUNI		RNAV	10 JANUARY 2013	DATED:

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CIYAL	CIYAL	010		IF		FB					
	CIYAL	OPEBY	020		TF		FO	2.0	353.4 (358.4T)	030.0	AA 04000	
	CIYAL	OPEBY	030	IAF	HF	L	FO		175.3 (180.3T)	004.0	AA 04000	
	KARYN	KARYN	010	IAF	IF		FB					
	KARYN	OPEBY	020		TF		FB	1.0	255.2 (260.2T)	021.0	AA 04000	
	NIFDE	NIFDE	010	IAF	IF		FB					
	NIFDE	OPEBY	020		TF		FB	1.0	117.0 (122.0T)	014.1	AA 04000	
	POSTE	POSTE	010	IAF	IF		FB					
	POSTE	OPEBY	020		TF		FB	1.0	193.0 (198.0T)	006.2	AA 04000	
		OPEBY	010	FACF	IF		FB				AA 04000	
		LIEGE	020	FAF	TF		FB	0.5	175.3 (180.3T)	006.1	AA 02800	
		REGKO	021	SDF	TF		FB	0.3	175.3 (180.3T)	002.8	AA 01920	GS 01920
		RW17	030	MAP	TF		FO	0.3	175.3 (180.3T)	001.9	AT 01315	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		175.3 (180.3T)		AA 01700	
	KARYN	050		DF	L	FO				AA 05000	
	KARYN	060		HM	L	FO		333.2 (338.2T)	005.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIYAL	N330211.37	W0984809.74	N3302.190	W09848.162
	KARYN	N333549.35	W0982425.41	N3335.823	W09824.424
	LIEGE	N332608.67	W0984911.09	N3326.145	W09849.185
	NIFDE	N333941.20	W0990323.85	N3339.687	W09903.398
	OPEBY	N333212.82	W0984908.81	N3332.214	W09849.147
	POSTE	N333804.54	W0984652.14	N3338.076	W09846.869
	REGKO	N332322.64	W0984912.13	N3323.377	W09849.202
	RW17	N332128.43	W0984912.84	N3321.474	W09849.214

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	01275	40

QUALITY
2
CHECKED

CITY AND STATE OLNEY, TX	ELEVATION: 1275	THRE: 1275	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 10 JANUARY 2013	SUP:
	AIRPORT NAME: OLNEY MUNI				AMDT: NONE
					DATED:

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM	TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW35 CLIMB TO 5000 DIRECT LIEGE AND ON TRACK 004.22 TO POSTE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 092.27 INBOUND. CHART FAS OBST: 1344 TREE 332010N/0984943W DISTANCE TO THLD FROM 267 HATH: 0.71 NM. WAAS CHANNEL # 53331 REFERENCE PATH ID: W35A CHART GRAHAM AWOS-3 LTP HAE: 355.8 M							
POSTE	HIKTU (FO)			179.09 / 28.49				3800									
FUCZY (IAF)	HIKTU (NOPT) (FB)			323.55 / 6.81				3800									
AJAHO (IAF)	HIKTU (NOPT) (FB)			071.41 / 12.14				3800									
HIKTU (IF/IAF)	BEGCA (FB)			355.30 / 6.30				2800									
BEGCA (FAF)	NIFYE/1.60 NM TO RW35 (FB)			355.30 / 3.11													
NIFYE/1.60 NM TO RW35	RW35 (MAP) (FO)			355.30 / 1.60													
(SEE FORM 8260-10)																	
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S HIKTU, LT, 355.30 INBOUND, 3800 FT. IN LIEU OF PT (IAF) 3. FAC: 355.30 FAF: BEGCA <u> </u> DIST FAF TO MAP: <u>4.71</u> THLD: <u>4.71</u> 4. MIN. ALT: HIKTU 3800, BEGCA 2800, NIFYE/1.60 NM TO RW35 1800* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2800</u> GS ALT AT: BEGCA 2800 <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW35 3000																	
										MINIMUMS							
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A X							
CATEGORY =====>	A			B			C			D			E				
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	1528	7/8	267	1528	7/8	267	1528	7/8	267		NA						
LNAV/VNAV DA	1578	1 1/8	317	1578	1 1/8	317	1578	1 1/8	317		NA						
LNAV MDA	1680	1	419	1680	1	419	1680	1 1/8	419		NA						
CIRCLING	1760	1	485	1760	1	485	1760	1 1/2	485		NA						
NOTES: CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 17 NA AT NIGHT. CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT POSTE ON V278 WESTBOUND. (SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 1275 THRE: 1261				FACILITY IDENTIFIER:				PROCEDURE NO/JAMDT NO/EFFECTIVE DATE:				SUP:	
OLNEY, TX				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 35, ORIG				AMDT: NONE	
				OLNEY MUNI								10 JANUARY 2013				DATED	



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW35 (MAP)	1528 MSL	355.30	
1528 MSL	LIEGE (FB)		
LIEGE	POSTE (FO)	004.22 / 12.07	5000

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART NOTE: USE GRAHAM ALTIMETER SETTING; WHEN NOT RECEIVED, USE KICKAPOO DOWNTOWN ALTIMETER SETTING AND INCREASE ALL DA 51 FEET, LPV ALL CATS VISIBILITY 1/4 MILE AND LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE, INCREASE ALL MDA 60 FEET AND LNAV CAT C VISIBILITY 1/4 MILE.

QUALITY
CHECKED

CITY AND STATE
 OLNEY, TX

ELEVATION: 1275 THRE: 1261
 AIRPORT NAME:
 OLNEY MUNI

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 35, ORIG
 10 JANUARY 2013

SUP:
 AMDT: NONE
 DATED:

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

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

0
0
KONY
RW35
0
0
W35A
332037.9615N
0984913.1480W
+03558
332207.2300N
0984912.5900W
00040.0
F
03.00
106.75
1192
40.0
50.0

CRC REMAINDER

40D5AA45

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K4
+03843
+03843

CITY AND STATE

OLNEY, TX

ELEVATION: 1275

THRE: 1261

AIRPORT NAME:

OLNEY MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG

10 JANUARY 2013

SUP:

AMDT: NONE

DATED:

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KONYK4FR35	AAJAH0	010AJAHOK4EA0E	A	IF						18000		A JS	
SUSAP KONYK4FR35	AAJAH0	020HIKTUK4EA0EE	B	010TF		07140121	+	03800				A JS	
SUSAP KONYK4FR35	AFUCZY	010FUCZYK4EA0E	A	IF						18000		A JS	
SUSAP KONYK4FR35	AFUCZY	020HIKTUK4EA0EE	B	010TF		32360068	+	03800				A JS	
SUSAP KONYK4FR35	APOSTE	010POSTEK4EA0E		IF						18000		A JS	
SUSAP KONYK4FR35	APOSTE	020HIKTUK4EA0EY		020TF		17910285	+	03800				A JS	
SUSAP KONYK4FR35	APOSTE	030HIKTUK4EA0EE	AL	HF		35530040	+	03800				A JS	
SUSAP KONYK4FR35	R	010HIKTUK4EA0E	I	IF						18000		A JS	
SUSAP KONYK4FR35	R	020BEGCAK4EA1E	F	051TF		35530063	+	02800			RW35	K4PGA	JS
SUSAP KONYK4FR35	R	020BEGCAK4EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KONYK4FR35	R	021NIFYEK4EA0E	S	031TF		35530031	V	0180001810		-300		A JS	
SUSAP KONYK4FR35	R	030RW35	K4PG0GY	M	031TF			01301		-300		A JS	
SUSAP KONYK4FR35	R	040		0	M	CA		3553	+	01528		A JS	
SUSAP KONYK4FR35	R	050LIEGEK4EA0E		DF								A JS	
SUSAP KONYK4FR35	R	060POSTEK4EA0EY		010TF		0042	+	05000				A JS	
SUSAP KONYK4FR35	R	070POSTEK4EA0EE	R	HM		09230040	+	05000				A JS	

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

CITY AND STATE OLNEY, TX	ELEVATION: 1275 THRE: 1261 AIRPORT NAME: OLNEY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 10 JANUARY 2013	SUP:
				AMDT: NONE
				DATED:

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

[illegible]

SUP:	
AMDT:	NONE
DATED:	

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

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AJAHO	AJAHO	010	IAF	IF		FB					
	AJAHO	HIKTU	020		TF		FB	1.0	071.4 (076.4T)	012.1	AA 03800	
	FUCZY	FUCZY	010	IAF	IF		FB					
	FUCZY	HIKTU	020		TF		FB	1.0	323.6 (328.6T)	006.8	AA 03800	
	POSTE	POSTE	010		IF		FB					
	POSTE	HIKTU	020		TF		FO	2.0	179.1 (184.1T)	028.5	AA 03800	
	POSTE	HIKTU	030	IAF	HF	L	FO		355.3 (000.3T)	004.0	AA 03800	
		HIKTU	010	FACF	IF		FB				AA 03800	
		BEGCA	020	FAF	TF		FB	0.5	355.3 (000.3T)	006.3	AA 02800	
		NIFYE	021	SDF	TF		FB	0.3	355.3 (000.3T)	003.1	AA 01800	GS 01810
		RW35	030	MAP	TF		FO	0.3	355.3 (000.3T)	001.6	AT 01301	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		355.3 (000.3T)		AA 01528	
	LIEGE	050		DF		FB					
	POSTE	060		TF		FO	1.0	004.2 (009.2T)		AA 05000	
	POSTE	070		HM	R	FO		092.3 (097.3T)	004.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AJAHO	N330645.54	W0990320.75	N3306.759	W09903.346
	BEGCA	N331554.97	W0984914.91	N3315.916	W09849.249
	FUCZY	N330347.35	W0984503.49	N3303.789	W09845.058
	HIKTU	N330936.29	W0984917.27	N3309.605	W09849.288
	LIEGE	N332608.67	W0984911.09	N3326.145	W09849.185
	NIFYE	N331901.78	W0984913.75	N3319.030	W09849.229
	POSTE	N333804.54	W0984652.14	N3338.076	W09846.869
	RW35	N332037.96	W0984913.15	N3320.633	W09849.219

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	01261	40

CITY AND STATE OLNEY, TX	ELEVATION: 1275	THRE: 1261	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 10 JANUARY 2013	SUP:
	AIRPORT NAME: OLNEY MUNI				AMDT: NONE
					DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
OLNEY, TX	OLNEY MUNI	10 JANUARY 2013	ORIG

TAKEOFF MINIMUMS:

RWY 4, 13, 17, 22, 31, 35 STANDARD

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

RWY 4: TREES BEGINNING 923 FT FROM DER, 721 FT RIGHT OF CENTERLINE, UP TO 34 FT AGL/1303 FT MSL.

RWY 13: VEHICLES ON ROAD BEGINNING 700 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/1264 FT MSL. TREES BEGINNING 745 FT FROM DER, 428 FT LEFT OF CENTERLINE, UP TO 55 FT AGL/1304 FT MSL.

RWY 22: VEHICLES ON ROAD BEGINNING 272 FT FROM DER, 556 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/1284 FT MSL. TREES BEGINNING 930 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 55 FT AGL/1324 FT MSL.

RWY 31: VEHICLES ON ROAD BEGINNING 845 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/1294 FT MSL.

RWY 35: TREES BEGINNING 502 FT FROM DER, 428 FT RIGHT OF CENTERLINE, UP TO 22 FT AGL/1293 FT MSL. TREES BEGINNING 517 FT FROM DER, 22 FT LEFT OF CENTERLINE, 30 FT AGL/1299 FT MSL.

CONTROLLING OBSTACLES:

REMARKS:



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.53 MILES AFTER CARUT INT/4.36 DME OR AT I-OLJ 0.18 DME FIX CLIMB TO 2900 THEN CLIMBING LEFT TURN TO 4200 DIRECT GEG VORTAC AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2800 THEN CLIMBING RIGHT TURN TO 6500 ON HEADING 057 AND ON COE VOR/DME R-240 TO COE VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 028.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW COE VOR/DME, LT, 051.00 INBOUND. CHART FAS OBST: 2486 POLE 473514N/1173507W CHART VDP AT 1.21 DME*; DISTANCE VDP TO THLD 1.38 MILES. *LOC ONLY. CHART (ZUKAK) AT INTERSECTION OF YICUB DR LEG AND INTERMEDIATE COURSE. CHART IN PLANVIEW: COE VOR/DME.											
YICUB/GEG 20.00 DME (IAF)	JEGDU/I-OLJ 13.96 DME	109.00 / 9.76 (HDG) & 029.49 / 6.28 (I-OLJ)	4400												
JEGDU/I-OLJ 13.96 DME (IF)	CARUT INT/I-OLJ 4.36 DME	029.49 / 9.60 (I-OLJ)	3900												
1. PT <u>L</u> SIDE OF COURSE <u>209.49</u> OUTBOUND <u>4400</u> FT WITHIN <u>10</u> MILES OF <u>GEG VORTAC</u> (IAF) 2. _____ 3. FAC: <u>029.49</u> FAF: <u>CARUT INT/I-OLJ 4.36 DME</u> DIST FAF TO MAP: <u>4.53</u> THLD: <u>4.53</u> 4. MIN. ALT: <u>CARUT 3900, ZONOM/I-OLJ 2.33 DME 3220*</u> 5. DIST TO THLD FROM OM: <u>4.53</u> MM: <u>-</u> IM: <u>900</u> 150 HAT: <u>1813</u> 100 HAT: <u>859</u> GS ANT: <u>1211</u> 6. MIN GS INCPT: <u>3900</u> GS ALT AT: <u>CARUT 3900</u> OM: <u>-</u> MM: <u>-</u> IM: <u>2490</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 8. MSA FROM: <u>GEG VORTAC 360-090 7100, 090-180 5300, 180-270 4300, 270-360 5300</u>				MAG VAR: 16E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A	ILS: #	LOC: @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 3	2585	1800	200	2585	1800	200	2585	1800	200	2585	1800	200			
S-LOC 3	3220	2400	835	3220	4000	835	3220	1 7/8	835	3220	1 7/8	835			
CIRCLING	3220	1	835	3220	1 1/4	835	3220	2 1/2	835	3220	2 3/4	835			
ZONOM FIX MINIMUMS															
S-LOC 3	2880	2400	495	2880	2400	495	2880	5000	495	2880	5000	495			
CIRCLING	2960	1	575	2960	1	575	2960	1 1/2	575	2980	2	595			
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 3: CAT A, B, C, D, RA 104, RVR 1200, HATh 100, DA 2485 MSL. CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS-3: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA. (SEE FORM 8260-10)															
CITY AND STATE SPOKANE, WA		ELEVATION: 2385 THRE: 2385 AIRPORT NAME: SPOKANE INTL		FACILITY IDENTIFIER: I-OLJ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 3, AMDT 6A 1/10/2013 ILS RWY 3 (SA CAT I), ILS RWY 3 (CAT II) ILS RWY 3 (CAT III)				SUP: AMDT: 6 DATED 11/18/2010					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 3: CAT A, B, C, D.
RA 154, RVR 1400, HAT 150, DA 2535 MSL.

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

CAT II CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.



CITY AND STATE SPOKANE, WA	ELEVATION: 2385	THRE: 2385	FACILITY IDENTIFIER: I-OLJ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 3, AMDT 6A 1/10/2013 ILS RWY 3 (SA CAT I) , ILS RWY 3 (CAT II) ILS RWY 3 (CAT III)	SUP:
	AIRPORT NAME:				AMDT: 6
	SPOKANE INTL				DATED: 11/18/2010

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KGEK1FI03	AGEG	010GEG	K1D OVE	AR	PI	IOLJK1	2119006116450100	PI	+	04400	18000	0	NS
SUSAP KGEK1FI03	AYICUB	010YICUB	K1EA0E	A	IF					18000		0	NS
SUSAP KGEK1FI03	AYICUB	020ZUKAKK1EA0E			TF				+	04400		0	NS
SUSAP KGEK1FI03	AYICUB	030JEGDUK1EA0EE	B		CF	IOLJK1	20950161029500063	PI	+	04400		0	NS
SUSAP KGEK1FI03	I	010JEGDUK1EA0E	I		IF	IOLJK1	20950161	PI	J	0440003900	18000	0	NS
SUSAP KGEK1FI03	I	020CARUTK1EA0E	F		CF	IOLJK1	2095006502900096	PI	H	0390003900		-300GEG	K1D 0 NS
SUSAP KGEK1FI03	I	030RW03 K1PGOGY	M		CF	IOLJK1	2095002002900045	PI		02440		-300	0 NS
SUSAP KGEK1FI03	I	040	0 M		CA		0295		+	02900		0	NS
SUSAP KGEK1FI03	I	050GEG	K1D OVY	L	DF				+	04200		0	NS
SUSAP KGEK1FI03	I	060GEG	K1D OVE	R	HM		0280T010		+	04200		0	NS

[illegible][illegible]

QUALITY
4
CHECKED

SUP:	
AMDT:	6
DATED:	11/18/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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MSA 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KEGGK1SGEG K1D 0 09018005325180270071252703600532536009004325 M



CITY AND STATE SPOKANE, WA	ELEVATION: 2385	THRE: 2385	FACILITY IDENTIFIER: I-OLJ	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 3, AMDT 6A 1/10/2013 ILS RWY 3 (SA CAT I), ILS RWY 3 (CAT II) ILS RWY 3 (CAT III)	SUP:
	AIRPORT NAME: SPOKANE INTL	AMDT: 6			
	DATED: 11/18/2010				

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/PB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	GEG	GEG	010	IAF	PI	R	FB		164.5 ()	010.0	AA 04400	
	YICUB	YICUB	010	IAF	IF		FB					
	YICUB	ZUKAK	020		TF		FB				AA 04400	
	YICUB	JEGDU	030		CF		FB		029.5 ()	006.3	AA 04400	
		JEGDU	010	FACF	IF		FB				AA 04400 GI 03900	
		CARUT	020	FAF	CF		FB		029.0 ()	009.6	GI 03900 GS 03900	
		RW03	030	MAP	CF		FO		029.0 ()	004.5	AT 02440	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/PB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		029.5 ()		AA 02900	
	GEG	050		DF	L	FO				AA 04200	
	GEG	060		HM	R	FO		028.0 ()	T01.0	AA 04200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GEG	N473353.80	W1173736.79	N4733.897	W11737.613
	IOLJ (DME)	N473632.05	W1173315.10	N4736.534	W11733.252
	CARUT	N473325.85	W1173746.32	N4733.431	W11737.772
	JEGDU	N472641.26	W1174750.20	N4726.688	W11747.837
	YICUB	N472809.22	W1180552.54	N4728.154	W11805.876
	ZUKAK	N472216.54	W1175424.72	N4722.276	W11754.412
	RW03	N473636.29	W1173300.29	N4736.605	W11733.005
	IOLJ (LOC)	N473759.69	W1173054.76	N4737.995	W11730.913

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03	02385	58



CITY AND STATE SPOKANE, WA	ELEVATION: 2385	THRE: 2385	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			ILS OR LOC RWY 3, AMDT 6A 1/10/2013	AMDT: 6
	SPOKANE INTL	I-OLJ	ILS RWY 3 (SA CAT I), ILS RWY 3 (CAT II) ILS RWY 3 (CAT III)	DATED: 11/18/2010	

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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

ARINC PACKET - 424-18 - LOC

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

CITY AND STATE
SPOKANE, WA

ELEVATION: 2385	THRE: 2385
AIRPORT NAME: SPOKANE INTL	

FACILITY
IDENTIFIER:
I-OLJ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 ILS OR LOC RWY 3, AMDT 6A 1/10/2013
 ILS RWY 3 (SA CAT I), ILS RWY 3 (CAT II)
 ILS RWY 3 (CAT III)

SUP:	
AMDT:	6
DATED:	11/18/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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

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

	SUSAP KEGK1SGEG K1D			0	09018005325180270071252703600532536009004325							M	



CITY AND STATE SPOKANE, WA	ELEVATION: 2385	THRE: 2385	FACILITY IDENTIFIER: I-OLJ	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 3, AMDT 6A 1/10/2013 ILS RWY 3 (SA CAT I), ILS RWY 3 (CAT II) ILS RWY 3 (CAT III)	SUP:
	AIRPORT NAME: SPOKANE INTL	AMDT: 6			
	DATED: 11/18/2010				

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GEG	GEG	010	IAF	PI	R	FB		164.5()	010.0	AA 04400	
	YICUB	YICUB	010	IAF	IF		FB					
	YICUB	ZUKAK	020		TF		FB				AA 04400	
	YICUB	JEGDU	030		CF		FB		029.5()	006.3	AA 04400	
		JEGDU	010	FACF	IF		FB				AA 04400	
		CARUT	020	FAF	CF		FB		029.0()	009.6	AA 03900	
		ZONOM	021	SDF	CF		FB		029.0()	002.0	AA 03220	
		RW03	030	MAP	CF		FO		029.0()	002.5	AT 02440	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		029.5()		AA 02900	
	GEG	050		DF	L	FO				AA 04200	
	GEG	060		HM	R	FO		028.0()	T01.0	AA 04200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GEG	N473353.80	W1173736.79	N4733.897	W11737.613
	IOLJ (DME)	N473632.05	W1173315.10	N4736.534	W11733.252
	CARUT	N473325.85	W1173746.32	N4733.431	W11737.772
	JEGDU	N472641.26	W1174750.20	N4726.688	W11747.837
	YICUB	N472809.22	W1180552.54	N4728.154	W11805.876
	ZONOM	N473451.16	W1173538.30	N4734.853	W11735.638
	ZUKAK	N472216.54	W1175424.72	N4722.276	W11754.412
	RW03	N473636.29	W1173300.29	N4736.605	W11733.005
	IOLJ (LOC)	N473759.69	W1173054.76	N4737.995	W11730.913

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03	02385	58



CITY AND STATE SPOKANE, WA	ELEVATION: 2385	THRE: 2385	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			ILS OR LOC RWY 3, AMDT 6A 1/10/2013	AMDT: 6
	SPOKANE INTL	I-OLJ	ILS RWY 3 (SA CAT I), ILS RWY 3 (CAT II) ILS RWY 3 (CAT III)	DATED: 11/18/2010	

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
MOSINEE, WI	CENTRAL WISCONSIN	10 JANUARY 2013	1

TAKEOFF MINIMUMS:

RWY 8, 17, 26, 35: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

RWY 35 – (NORTHBOUND DEPARTURES 330 CW 045) CLIMBING LEFT TURN TO 3500 ON HEADING 330 AND AUW R-270 BEFORE TURNING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8, ANTENNA AND OBSTRUCTION LIGHT ON BUILDING 369 FT FROM DER, 193 FT LEFT OF CENTERLINE, 40 FT AGL/1269 FT MSL. TREES BEGINNING 567 FT FROM DER, 557 FT LEFT OF CENTERLINE, UP TO 36 FT AGL/1275 FT MSL. TREES BEGINNING 1767 FT FROM DER, 709 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1319 FT MSL. TREES BEGINNING 454 FT FROM DER, 520 FT RIGHT OF CENTERLINE, 100 FT AGL/1319 FT MSL.

NOTE: RWY 17, TREES BEGINNING 697 FT FROM DER, 625 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1299 FT MSL. TREES BEGINNING 2161 FT FROM DER, 987 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1289 FT MSL.

NOTE: RWY 26, ROD ON POLE 1065 FT FROM DER, 723 FT LEFT OF CENTERLINE, 50 FT AGL/1310 FT MSL. TREES BEGINNING 4096 FT FROM DER, 599 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1389 FT MSL.

NOTE: RWY 35, OBSTRUCTION LIGHT ON WINDSOCK AND POLES BEGINNING 507 FT FROM DER, 436 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/1303 FT MSL. TREES BEGINNING 1404 FT FROM DER, 670 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1335 FT MSL. ANTENNA, POLE, OBSTRUCTION LIGHT, AND CHIMNEY BEGINNING 2714 FT FROM DER, 858 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/1359 FT MSL. ANTENNA 1042 FT FROM DER, 250 FT LEFT OF CENTERLINE, 25 FT AGL/1306 FT MSL. TREES BEGINNING 2500 FT FROM DER, 367 FT LEFT OF CENTERLINE, UP TO 65 FT AGL/1346 FT MSL. TANK AND ANTENNA ON WATER TANK BEGINNING 3245 FT FROM DER, 1338 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1382 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 35 – 2549 FT MSL TOWER 445514.00N/0894129.00W.

REMARKS:



[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [30870](#); Amdt. No. [3505](#)]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

SUMMARY: This rule establishes, amends, suspends, or revokes
Standard Instrument Approach Procedures (SIAPs) and associated
Takeoff Minimums and Obstacle Departure Procedures for operations
at certain airports. These regulatory actions are needed because
of the adoption of new or revised criteria, or because of changes
occurring in the National Airspace System, such as the
commissioning of new navigational facilities, adding new
obstacles, or changing air traffic requirements. These changes
are designed to provide safe and efficient use of the navigable
airspace and to promote safe flight operations under instrument
flight rules at the affected airports.

DATES: This rule is effective [INSERT DATE OF PUBLICATION IN THE
FEDERAL REGISTER]. The compliance date for each SIAP, associated
Takeoff Minimums, and ODP is specified in the amendatory
provisions.

The incorporation by reference of certain publications listed
in the regulations is approved by the Director of the Federal

Register as of [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER].

ADDRESSES: Availability of matter incorporated by reference in the amendment is as follows:

For Examination -

1. FAA Rules Docket, FAA Headquarters Building, 800 Independence Avenue, SW, Washington, DC 20591;

2. The FAA Regional Office of the region in which the affected airport is located;

3. The National Flight Procedures Office, 6500 South MacArthur Blvd., Oklahoma City, OK 73169 or,

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to:

http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability - All SIAPs are available online free of charge.

Visit nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

1. FAA Public Inquiry Center (APA-200), FAA Headquarters Building, 800 Independence Avenue, SW., Washington, DC 20591; or

2. The FAA Regional Office of the region in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Richard A. Dunham III, Flight Procedure Standards Branch (AFS-420) Flight Technologies and Programs Division, Flight Standards Service, Federal Aviation Administration, Mike Monroney Aeronautical Center, 6500 South

MacArthur Blvd., Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082 Oklahoma City, OK. 73125) telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION: This rule amends Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) by amending the referenced SIAPs. The complete regulatory description of each SIAP is listed on the appropriate FAA Form 8260, as modified by the National Flight Data Center (FDC)/Permanent Notice to Airmen (P-NOTAM), and is incorporated by reference in the amendment under 5 U.S.C. 552(a), 1 CFR part 51, and §97.20 of Title 14 of the Code of Federal Regulations.

The large number of SIAPs, their complex nature, and the need for a special format make their verbatim publication in the Federal Register expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, but refer to their graphic depiction on charts printed by publishers of aeronautical materials. Thus, the advantages of incorporation by reference are realized and publication of the complete description of each SIAP contained in FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAP and the corresponding effective dates. This amendment also identifies the airport and its location, the procedure and the amendment number.

THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP as amended in the transmittal. For safety and timeliness of change considerations, this amendment incorporates only specific changes contained for each SIAP as modified by FDC/P-NOTAMs.

The SIAPs, as modified by FDC P-NOTAM, and contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these changes to SIAPs, the TERPS criteria were applied only to specific conditions existing at the affected airports. All SIAP amendments in this rule have been previously issued by the FAA in a FDC NOTAM as an emergency action of immediate flight safety relating directly to published aeronautical charts. The circumstances which created the need for all these SIAP amendments requires making them effective in less than 30 days.

Because of the close and immediate relationship between these SIAPs and safety in air commerce, I find that notice and public procedure before adopting these SIAPs are impracticable and contrary to the public interest and, where applicable, that good cause exists for making these SIAPs effective in less than 30 days.

CONCLUSION

The FAA has determined that this regulation only involves an established body of technical regulations for which frequent and routine amendments are necessary to keep them operationally current. It, therefore- (1) is not a "significant regulatory action" under Executive Order 12866; (2) is not a "significant rule" under DOT regulatory Policies and Procedures (44 FR 11034; February 26, 1979); and (3) does not warrant preparation of a regulatory evaluation as the anticipated impact is so minimal. For the same reason, the FAA certifies that this amendment will not have a significant economic impact on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR part 97:

Air Traffic Control, Airports, Incorporation by reference, and Navigation (Air).

Issued in Washington, DC on [OCTOBER 26, 2012](#).

A handwritten signature in black ink that reads "John M. Allen". The signature is written in a cursive, flowing style.

John M. Allen
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal regulations, Part 97, 14 CFR part 97, is amended by amending Standard Instrument Approach Procedures, effective at 0901 UTC on the dates specified, as follows:

Part 97 - Standard Instrument Approach Procedures

1. The authority citation for part 97 continues to read as follows:

AUTHORITY: 49 U.S.C. 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

By amending: §97.23 VOR, VOR/DME, VOR or TACAN, and VOR/DME or TACAN; §97.25 LOC, LOC/DME, LDA, LDA/DME, SDF, SDF/DME; §97.27 NDB, NDB/DME; §97.29 ILS, ILS/DME, MLS, MLS/DME, MLS/RNAV; §97.31 RADAR SIAPs; §97.33 RNAV SIAPs; and §97.35 COPTER SIAPs, Identified as follows: EFFECTIVE UPON PUBLICATION

AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
13-Dec-12	CA	Salinas	Salinas Muni	2/5358	10/24/12	VOR RWY 13, Amdt 11C
13-Dec-12	CA	Monterey	Monterey Peninsula	2/5359	10/24/12	LOC/DME RWY 28L, Amdt 3E
13-Dec-12	CA	Salinas	Salinas Muni	2/5360	10/24/12	LOC/DME RWY 31, Amdt 4C
13-Dec-12	TX	Rocksprings	Edwards County	2/7908	10/24/12	RNAV (GPS) RWY 14, Orig
13-Dec-12	CA	Modesto	Modesto City-Co-Harry Sham Fld	2/8989	10/24/12	TAKEOFF MINIMUMS AND (OBSTACLE) DP, Amdt 5
13-Dec-12	FL	West Palm Beach	Palm Beach Intl	2/9275	10/24/12	ILS OR LOC RWY 10L, Amdt 26
13-Dec-12	OK	Oklahoma City	Clarence E Page Muni	2/9805	10/24/12	RNAV (GPS) RWY 17R, Amdt 2
13-Dec-12	MO	Kansas City	Charles B. Wheeler Downtown	2/9823	10/24/12	VOR RWY 21, Amdt 14
13-Dec-12	MO	Kansas City	Charles B. Wheeler Downtown	2/9824	10/24/12	RNAV (GPS) RWY 21, Amdt 1A

AIRAC Date: 13 DECEMBER 2012

FDC **2/5358** SNS FI/P IAP SALINAS MUNI, SALINAS, CA. VOR RWY 13, AMDT 11C... MSA FROM SNS VORTAC 100-220 6300, 220-310 4200, 310-100 5200. THIS IS VOR RWY 13, AMDT 11D.

FDC **2/5359** MRY FI/P IAP MONTEREY PENINSULA, MONTEREY, CA. LOC/DME RWY 28L, AMDT 3E... MSA FROM SNS VORTAC 100-220 6300, 220-310 4200, 310-100 5200. THIS IS LOC/DME RWY 28L, AMDT 3F.

FDC **2/5360** SNS FI/P IAP SALINAS MUNI, SALINAS, CA. LOC/DME RWY 31, AMDT 4C... MSA FROM SNS VORTAC 100-220 6300, 220-310 4200, 310-100 5200. THIS IS LOC/DME RWY 31, AMDT 4D.

FDC **2/7908** ECU FI/P IAP EDWARDS COUNTY, ROCKSPRINGS, TX. RNAV (GPS) RWY 14, ORIG... DELETE NOTES: USE KIMBLE CO. ALTIMETER SETTING. GPS OR RNP -0.3 REQUIRED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CSI VORTAC ON V68 SOUTHEAST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON JCT VORTAC AIRWAY RADIALS 121 CW 270. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 14, ORIG-A.

FDC **2/8989** MOD PART 1 OF 2 FI/P ODP MODESTO CITY-CO-HARRY SHAM FLD, MODESTO, CA. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 5... NOTE: RWY 10R, TREES BEGINNING 169 FT FROM DER, 37 FT RIGHT OF CENTERLINE, UP TO 91 FT AGL/195 FT MSL. SIGN 57 FT FROM DER, 211 FT RIGHT OF CENTERLINE, 15 FT AGL/89 FT MSL. SIGN 16 FT FROM DER, 135 FT LEFT OF CENTERLINE, 4 FT AGL/87 FT MSL. TREES BEGINNING 823 FT FROM DER, 79 FT LEFT OF CENTERLINE, UP TO 89 FT AGL/148 FT MSL. NOTE: RWY 10L, TREES BEGINNING 15 FT FROM DER, 65 FT RIGHT OF CENTERLINE, UP TO 68 FT AGL/172 FT MSL. VEHICLES ON ROAD BEGINNING 178 FT FROM DER, 17 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/96 FT MSL. TREES BEGINNING 1413 FT FROM DER, 184 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/126 FT MSL. NOTE: RWY 28R, VEHICLES ON ROAD BEGINNING 47 FT FROM DER, 332 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/114 FT MSL. POLE 754 FT FROM DER, 699 FT RIGHT OF CENTERLINE, 34 FT AGL/133 FT MSL. BUILDING 979 FT FROM DER, 697 FT RIGHT OF CENTERLINE, 29 FT AGL/128 FT MSL. TREE 1390 FT FROM DER, 516 FT RIGHT OF CENTERLINE, 37 FT AGL/136 FT MSL. TREES BEGINNING 2077 FT FROM DER, 379 FT LEFT OF CENTERLINE, UP TO 79 FT AGL/173 FT MSL. END PART 1 OF 2

FDC **2/8989** MOD PART 2 OF 2 FI/P ODP MODESTO CITY-CO-HARRY SHAM FLD, MODESTO, NOTE: RWY 28L, MULTIPLE POLES, TREES, AND BUILDINGS BEGINNING 128 FT FROM DER, 34 FT LEFT OF CENTERLINE, UP TO 102 FT AGL/196 FT MSL. VEHICLES ON ROAD BEGINNING 448 FT FROM DER, 219 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/112 FT MSL. MULTIPLE POLES AND BUILDING BEGINNING 1021 FT FROM DER, 350 FT RIGHT OF CENTERLINE, UP TO 57 FT AGL/154 FT MSL. TREES BEGINNING 1112 FT FROM DER, 20 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/164 FT MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 5A. END PART 2 OF 2

FDC **2/9275** PBI FI/P IAP PALM BEACH INTL, WEST PALM BEACH, FL. ILS OR LOC RWY 10L, AMDT 26... CHANGE ALTERNATE MISSED APPROACH TO READ: CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 326 AND TRV VORTAC R-167 TO MORGAN INT/TRV 45.70 DME AND HOLD. CHANGE ALTERNATE MISSED APPROACH FIX IN PLANVIEW TO READ: MORGAN INT/TRV 45.70 DME, AND HOLDING TO SOUTH, RIGHT TURNS, 347.05 INBOUND. THIS IS ILS OR LOC RWY 10L, AMDT 26A.

FDC **2/9805** RCE FI/P IAP CLARENCE E PAGE MUNI, OKLAHOMA CITY, OK. RNAV (GPS) RWY 17R, AMDT 2... CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. THIS IS RNAV (GPS) RWY 17R, AMDT 2A.

FDC **2/9823** MKC FI/P IAP CHARLES B. WHEELER DOWNTOWN, KANSAS CITY, MO. VOR RWY 21, AMDT 14... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 21 PROCEDURE NA AT NIGHT. CHART NOTE: PROCEDURE NA AT NIGHT. THIS IS VOR RWY 21, AMDT 14A.

FDC **2/9824** MKC FI/P IAP CHARLES B. WHEELER DOWNTOWN, KANSAS CITY, MO. RNAV (GPS) RWY 21, AMDT 1A... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KANSAS CITY INTL ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE LP CAT C, LNAV CAT C AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) RWY 21, AMDT 1B.