

U.S. Department  
of Transportation

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

**Federal Aviation  
Administration**

**Transmittal Letter 17-03**

**December 16, 2016**

**PREPARED BY THE AERONAUTICAL INFORMATION GROUP, AJV-53  
(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. [31112](#); Amdt. No. [3727](#)]

**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 removes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures (ODPs) 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. U.S. Department of Transportation, Docket Ops-M30, 1200 New Jersey Avenue SE, West Bldg., Ground Floor, Washington, D.C., 20590-0001.

2. The FAA Air Traffic Organization Service Area in which the affected airport is located;

3. The office of Aeronautical Navigation Products, 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](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 the National Flight Data Center at [nfdc.faa.gov](http://nfdc.faa.gov) to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from the FAA Air Traffic Organization Service Area in which the affected airport is located.

**FOR FURTHER INFORMATION CONTACT:** Thomas J. Nichols, 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 removes SIAPS, Takeoff Minimums and/or ODPS. The complete regulatory 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, their complex nature, and the need for a special format make publication in the **Federal Register** expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, Takeoff Minimums or ODPs, but instead 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, Takeoff Minimums and ODP listed on FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAPs, Takeoff Minimums and ODPs with their applicable effective dates. This amendment also identifies the airport and its location, the procedure, and the amendment number.

#### **Availability and Summary of Material Incorporated by Reference**

The material incorporated by reference is publicly available as listed in the ADDRESSES section.

The material incorporated by reference describes SIAPS, Takeoff Minimums and/or ODPS as identified in the amendatory language for part 97 of this final rule.

#### **The Rule**

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP, Takeoff Minimums and ODP as Amended 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 that 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 procedure under 5 U.S.C. 553(b) are impracticable and contrary to the public interest and, where applicable, under 5 U.S.C 553(d), good cause exists for making some SIAPs effective in less than 30 days.

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, Navigation (Air).

Issued in Washington, DC on [DECEMBER 16, 2016](#)



John S. Duncan  
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 removing Standard Instrument Approach Procedures and/or Takeoff Minimums and Obstacle Departure 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(f), 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

**Effective 2 February 2017**

Auburn, AL, Auburn University Rgnl, RNAV (GPS) RWY 11, Amdt 2A  
 Geneva, AL, Geneva Muni, RNAV (GPS) RWY 11, Orig-A  
 Geneva, AL, Geneva Muni, RNAV (GPS) RWY 29, Orig-A  
 Sebastian, FL, Sebastian Muni, RNAV (GPS) RWY 5, Orig-C  
 Sebastian, FL, Sebastian Muni, RNAV (GPS) RWY 23, Orig-C  
 Madison, GA, Madison Muni, RNAV (GPS) RWY 14, Orig-A  
 St Joseph, MO, Rosecrans Memorial, RADAR 1, Amdt 2  
 Medford, WI, Taylor County, NDB RWY 34, Amdt 7, CANCELED

**Effective 2 March 2017**

Healy, AK, Healy River, RNAV (GPS) RWY 15, Orig  
 Healy, AK, Healy River, RNAV (GPS)-A, Orig  
 Nondalton, AK, Nondalton, RNAV (GPS) RWY 2, Orig-A  
 Flippin, AR, Marion County Rgnl, RNAV (GPS) RWY 4, Amdt 1  
 Flippin, AR, Marion County Rgnl, RNAV (GPS) RWY 22, Amdt 1  
 Flippin, AR, Marion County Rgnl, Takeoff Minimums and Obstacle DP, Amdt 1  
 Flippin, AR, Marion County Rgnl, VOR-A, Amdt 15  
 Clifton/Morenci, AZ, Greenlee County, RNAV (GPS)-A, Orig-A  
 Stockton, CA, Stockton Metropolitan, ILS OR LOC RWY 29R, Amdt 21  
 Stockton, CA, Stockton Metropolitan, RNAV (GPS) RWY 11L, Amdt 1  
 Stockton, CA, Stockton Metropolitan, RNAV (GPS) RWY 29R, Amdt 1  
 Rota Island, CQ, Benjamin Taisacan Manglona Intl, NDB RWY 27, Amdt 4A  
 Rota Island, CQ, Benjamin Taisacan Manglona Intl, RNAV (GPS) RWY 27, Amdt 1A  
 Macon, GA, Macon Downtown, Takeoff Minimums and Obstacle DP, Amdt 8  
 Clarinda, IA, Schenck Field, NDB-A, Amdt 5B, CANCELED  
 Evansville, IN, Evansville Rgnl, ILS OR LOC RWY 4, Amdt 4  
 Evansville, IN, Evansville Rgnl, ILS OR LOC RWY 22, Amdt 23  
 Madison, IN, Madison Muni, RNAV (GPS) RWY 3, Amdt 1C  
 Fort Scott, KS, Fort Scott Muni, NDB RWY 18, Amdt 12, CANCELED  
 Larned, KS, Larned-Pawnee County, NDB RWY 17, Amdt 4A, CANCELED  
 Mayfield, KY, Mayfield Graves County, VOR/DME-A, Amdt 8A  
 Tompkinsville, KY, Tompkinsville-Monroe County, RNAV (GPS) RWY 4, Amdt 1C  
 Vivian, LA, Vivian, NDB RWY 9, Amdt 2B, CANCELED  
 Lansing, MI, Capital Region Intl, ILS OR LOC RWY 10R, Amdt 11A  
 Lansing, MI, Capital Region Intl, ILS OR LOC RWY 28L, Amdt 27B  
 Perryville, MO, Perryville Rgnl, RNAV (GPS) RWY 2, Orig-A  
 Perryville, MO, Perryville Rgnl, RNAV (GPS) RWY 20, Orig-A

Perryville, MO, Perryville Rgnl, Takeoff Minimums and Obstacle DP, Orig-A  
Perryville, MO, Perryville Rgnl, VOR-A, Amdt 5A  
Shelby, MT, Shelby, NDB RWY 23, Amdt 7A  
Shelby, MT, Shelby, RNAV (GPS) RWY 5, Orig-B  
Shelby, MT, Shelby, RNAV (GPS) RWY 23, Amdt 2B  
Omaha, NE, Eppley Airfield, Takeoff Minimums and Obstacle DP, Amdt 6  
Claremont, NH, Claremont Muni, NDB-A, Amdt 1B  
Nashua, NH, Boire Field, RNAV (GPS) RWY 14, Amdt 1C  
Ashland, OH, Ashland County, VOR-A, Amdt 9C  
Batavia, OH, Clermont County, RNAV (GPS) RWY 4, Amdt 1C  
Batavia, OH, Clermont County, RNAV (GPS) RWY 22, Amdt 1D  
Batavia, OH, Clermont County, VOR-B, Amdt 7C  
Pittsburgh, PA, Allegheny County, RNAV (GPS) RWY 10, Amdt 4C  
Marion, SC, Marion County, NDB RWY 4, Amdt 5, CANCELED  
Pageland, SC, Pageland, NDB RWY 24, Amdt 1  
Pageland, SC, Pageland, Takeoff Minimums and Obstacle DP, Amdt 1  
Dayton, TN, Mark Anton, NDB RWY 3, Amdt 2A  
Littlefield, TX, Littlefield Muni, NDB RWY 1, Amdt 1A, CANCELED  
Seminole, TX, Gaines County, NDB RWY 35, Amdt 1, CANCELED  
Provo, UT, Provo Muni, ILS OR LOC RWY 13, Amdt 3

**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	
TOBSE (IF/IAF)	SICOL (TF) (FB) (RNP 1.00)	111.19 / 6.84	2400	LPV: DA LNAV/VNAV: DA LNAV: RW11
SICOL (FAF)	PECIS/2.50 NM TO RW11 (TF) (FB) (RNP 0.30)	111.26 / 2.46		
PECIS/2.50 NM TO RW11	RW11 (MAP) (TF) (FO) (RNP 0.30)	111.26 / 2.50		CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 3000 DIRECT HESEL AND HOLD.
RW11 (MAP)	1200 MSL	111.26	1200	
1200 MSL	HESEL (DF) (FO) (RNP 1.00)		3000	ADDITIONAL FLIGHT DATA: HOLD S, RT, 005.03 INBOUND. CHART FAS OBST: 879 TREES 323722N/0852710W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 1.06 NM TO RW11* *LNAV ONLY. WAAS CHANNEL # 63139 REFERENCE PATH ID: W11A CHART CIRCLING ICON. LTP HAE: 207.7 M

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD W TOBSE, RT, 111.19 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 111.26 FAF: SICOL DIST FAF TO MAP: 4.96 THLD: 4.96
4. MIN. ALT: **TOBSE 2500, SICOL 2400, PECIS/2.50 NM TO RW11 1600\***
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 2400 GS ALT AT: SICOL 2400 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: **4W** 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	1025	1	250	1025	1	250	1025	1	250	1025	1	250			
LNAV/VNAV DA	1060	1	285	1060	1	285	1060	1	285	1060	1	285			
LNAV MDA	1160	1	385	1160	1	385	1160	1 1/8	385	1160	1 1/8	385			
CIRCLING	1280	1	503	1360	1	583	1380	1 3/4	603	1480	2 1/4	703			

NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). @ CAT D 800-2 1/4  
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING COLUMBUS ALTIMETER SETTING.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COLUMBUS ALTIMETER SETTING: INCREASE  
 (CONTINUED ON PAGE 2)



CITY AND STATE <b>AUBURN, AL</b>	ELEVATION: <b>777</b> TDZE: <b>775</b> AIRPORT NAME: <b>AUBURN UNIVERSITY RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11, AMDT 2A</b> 2 FEBRUARY 2017	SUP: AMDT: <b>2</b> DATED <b>11/10/2016</b>
-------------------------------------	------------------------------------------------------------------------------------------	-------------------------------------	------------------------------------------------------------------------------------------------	---------------------------------------------------

**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.):**

LPV DA TO 1138 FEET AND VISIBILITY ALL CATS 1/4 SM; INCREASE LNAV/VNAV DA TO 1173 FEET AND VISIBILITY ALL CATS 3/8 SM; INCREASE ALL MDA 120 FEET AND LNAV CATS C/D AND CIRCLING CAT C VISIBILITY 1/4 SM AND CIRCLING CAT D VISIBILITY 1/2 SM.

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	021/30 CW 201/30 (NOPT)	021/8 CW 201/8	2900
2.	021/8 CW 201/8	TOBSE (IF/IAF) (FB)	2500
3.	201/30 CW 021/30	201/8 CW 021/8	2900
4.	201/8 CW 021/8	TOBSE (IF/IAF) (FO)	2500



CITY AND STATE <b>AUBURN, AL</b>	ELEVATION: 777 AIRPORT NAME: <b>AUBURN UNIVERSITY RGNL</b>	TDZE: 775	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11, AMDT 2A</b> 2 FEBRUARY 2017	SUP:
					AMDT: <b>2</b>
					DATED: <b>11/10/2016</b>

**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	KAUO
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	323710.4915N
LTP/FTP LONGITUDE	0852614.4645W
LTP/FTP ELLIPSOIDAL HEIGHT	+02077
FPAP LATITUDE	323643.9175N
FPAP LONGITUDE	0852433.7575W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 3DBE463B

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02362
FPAP ORTHOMETRIC HEIGHT	+02362



CITY AND STATE <b>AUBURN, AL</b>	ELEVATION: 777 TDZE: 775 AIRPORT NAME: <b>AUBURN UNIVERSITY RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11, AMDT 2A</b> 2 FEBRUARY 2017	SUP:
				AMDT: <b>2</b>
				DATED: <b>11/10/2016</b>

**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	
SOVRE (IF/IAF)	RURAE (TF) (FB) (RNP 1.00)	111.24 / 6.85	1800	LP: RW11 LNAV: RW11
RURAE (FAF)	QASQO/2.10 NM TO RW11 (TF) (FB) (RNP 0.30)	111.31 / 2.36		
QASQO/2.10 NM TO RW11	RW11 (MAP) (TF) (FO) (RNP 0.30)	111.31 / 2.10		CLIMB TO 2000 DIRECT VUTUC AND HOLD.
RW11 (MAP)	500 MSL	111.31		
500 MSL	VUTUC (DF) (FO) (RNP 1.00)		2000	

ADDITIONAL FLIGHT DATA:  
HOLD E, RT, 291.46 INBOUND.  
CHART FAS OBST: 321 TANK 310259N/0855336W  
CHART FAS OBST: 279 TREE 310335N/0855343W  
CHART CAIRNS AAF AWOS-3  
WAAS CHANNEL # 70735  
REFERENCE PATH ID: W11A  
CHART CIRCLING ICON.  
RURAE TO RW11: 3.50/47.  
LTP HAE: 1.5 M

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD W SOVRE, RT, 111.24 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 111.31 FAF: RURAE DIST FAF TO MAP: 4.46 THLD: 4.46
4. MIN. ALT: SOVRE 2000, RURAE 1800, QASQO/2.10 NM TO RW11 920
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
7. GS ANGLE:        TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: **4W**

EPOCH YEAR: **2015**

**MINIMUMS**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A <input checked="" type="checkbox"/>								
CATEGORY >>>>>	A			B			C			D			E		
	DH/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	600	1	500	600	1	500	600	1 3/8	500		NA				
LNAV MDA	640	1	540	640	1	540	640	1 1/2	540		NA				
CIRCLING	700	1	600	720	1	620	900	2 1/4	800		NA				

NOTES:  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART NOTE: PROCEDURE NA AT NIGHT.  
CHART NOTE: RWY 11 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED  
CHART NOTE: USE CAIRNS AAF ALTIMETER SETTING, WHEN NOT RECIEVED USE DOTHAN ALTIMETER SETTING AND  
(CONTINUED ON PAGE 2)



CITY AND STATE <b>GENEVA, AL</b>	ELEVATION: 100 TDZE: 100 AIRPORT NAME: <b>GENEVA MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11, ORIG-A</b> 2 FEBRUARY 2017	SUP: AMD T: <b>ORIG</b> DATED <b>07/24/2014</b>
-------------------------------------	-----------------------------------------------------------------	-------------------------------------	------------------------------------------------------------------------------------------------	-------------------------------------------------------

**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.):**  
**INCREASE ALL MDA 40 FEET, INCREASE LP AND LNAV CAT C VISIBILITY 1/8 SM AND CIRCLING CAT C VISIBILITY 1/4 SM.**

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	021/30 CW 201/30 (NOPT)	021/15 CW 201/15	2500
	021/15 CW 201/15	SOVRE (IF/IAF) (FB)	2000
2.	201/30 CW 021/30	201/15 CW 021/15	3100
	201/15 CW 021/15	SOVRE (IF/IAF) (FO)	2100



CITY AND STATE <b>GENEVA, AL</b>	ELEVATION: 100 TDZE: 100 AIRPORT NAME: <b>GENEVA MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11, ORIG-A</b> 2 FEBRUARY 2017	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>07/24/2014</b>

**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	33J
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	310315.3500N
LTP/FTP LONGITUDE	0855230.1300W
LTP/FTP ELLIPSOIDAL HEIGHT	+00015
FPAP LATITUDE	310248.7100N
FPAP LONGITUDE	0855051.1300W
THRESHOLD CROSSING HEIGHT (TCH)	00047.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER 85F65D1B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00288
FPAP ORTHOMETRIC HEIGHT	+00288



CITY AND STATE GENEVA, AL	ELEVATION: 100 TDZE: 100	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG-A 2 FEBRUARY 2017	SUP:
	AIRPORT NAME: GENEVA MUNI			AMDT: ORIG
				DATED: 07/24/2014

**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	
VUTUC (IF/IAF)	USPEC (TF) (FB) (RNP 1.00)	291.46 / 6.85	1800	<b>LNAV: RW29</b>
USPEC (FAF)	TIYUN/2.20 NM TO RW29 (TF) (FB) (RNP 0.30)	291.39 / 2.26		
TIYUN/2.20 NM TO RW29	RW29 (MAP) (TF) (FO) (RNP 0.30)	291.39 / 2.20		<b>CLIMB TO 2000 DIRECT SOVRE AND HOLD.</b>
RW29 (MAP)	500 MSL	291.39		
500 MSL	SOVRE (DF) (FO) (RNP 1.00)		2000	

ADDITIONAL FLIGHT DATA:  
HOLD W, RT, 111.24 INBOUND.  
CHART FAS OBST: 279 TREE 310234N/0854932W  
453 AAO 310212.00N/0854521.00W  
CHART CAIRNS AAF AWOS-3  
CHART CIRCLING ICON.  
USPEC TO RW29: 3.50/47.

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD E VUTUC, RT, 291.46 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
- FAC: 291.39 FAF: USPEC DIST FAF TO MAP: 4.46 THLD: 4.46
- MIN. ALT: **VUTUC 2000, USPEC 1800, TIYUN/2.20 NM TO RW29 960**
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: **34:1 IS NOT CLEAR**
- MSA FROM:

MAG VAR: **4W** EPOCH YEAR: **2015**

**MINIMUMS**

TAKEOFF: <u>      </u> SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N <input type="checkbox"/> A <input checked="" type="checkbox"/> X <input type="checkbox"/>														
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
<b>LNAV MDA</b>	600	1	500	600	1	500	600	1 3/8	500		NA				
<b>CIRCLING</b>	700	1	600	720	1	620	900	2 1/4	800		NA				

NOTES:  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART NOTE: PROCEDURE NA AT NIGHT.  
CHART NOTE: USE CAIRNS AAF ALTIMETER SETTING. WHEN NOT RECEIVED, USE DOTHAN ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, AND INCREASE ALL CAT C VISIBILITIES 1/4 SM.  
CHART NOTE: RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.



CITY AND STATE <b>GENEVA, AL</b>	ELEVATION: <b>100</b> TDZE: <b>100</b> AIRPORT NAME: <b>GENEVA MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 29, ORIG-A</b> 2 FEBRUARY 2017	SUP: AMD T: <b>ORIG</b> DATED <b>07/24/2014</b>
-------------------------------------	-------------------------------------------------------------------------------	-------------------------------------	------------------------------------------------------------------------------------------------	-------------------------------------------------------

**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.

TAA	FROM	TO	ALT
1.	201/30 CW 351/30 (NOPT)	201/20 CW 351/20	2500
2.	351/30 CW 021/30 (NOPT)	351/4 CW 021/4	3100
3.	201/20 CW 351/20 351/4 CW 021/4	VUTUC (IF/IAF) (FB) VUTUC (IF/IAF) (FB)	2000 2000
4.	021/30 CW 088/30	VUTUC (IF/IAF) (FO)	3100
5.	088/30 CW 201/30	VUTUC (IF/IAF) (FO)	2500



CITY AND STATE <b>GENEVA, AL</b>	ELEVATION: 100 TDZE: 100 AIRPORT NAME: <b>GENEVA MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 29, ORIG-A</b> 2 FEBRUARY 2017	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>07/24/2014</b>

**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: RW05 LNAV: RW05
TRV VORTAC	JEKOL (TF) (FO) (RNP 2.00)	279.59 / 7.90	2000	CLIMB TO 2000 DIRECT POKME AND ON TRACK 090.12 TO HASUP AND HOLD.
BAIRN	HODSO (TF) (FB) (RNP 2.00)	129.35 / 23.37	2000	
HODSO (IAF)	JEKOL (NOPT) (TF) (FB) (RNP 1.00)	121.04 / 6.50	2000	ADDITIONAL FLIGHT DATA: HOLD SE, RT, 301.05 INBOUND. CHART FAS OBST: 124 TREE 274824N/0803003W CHART FAS OBST: 134 TREE 274819N/0802958W CHART W-497B. WAAS CHANNEL # 90427 REFERENCE PATH ID: W05A NAMHO TO RW04: 3.00/40. LTP HAE: -22.3 M
CUSMO (IAF)	JEKOL (NOPT) (TF) (FB) (RNP 1.00)	023.99 / 14.01	2000	
JEKOL (IF/IAF) (SEE FORM 8260-10)	NAMHO (TF) (FB) (RNP 1.00)	051.02 / 5.50	1600	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD SW JEKOL, RT, 051.02 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
- FAC: 051.06 FAF: NAMHO DIST FAF TO MAP: 4.84 THLD: 4.84
- MIN. ALT: JEKOL 2000, NAMHO 1600, ZATOP/2.60 NM TO RW05 880
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW05 1600

MAG VAR: **6W** EPOCH YEAR: **2010**

**MINIMUMS**

TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>	ALTERNATE: N A <input checked="" type="checkbox"/>														
CATEGORY <u>=====</u> >	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>										
	DH/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	380	1	359	380	1	359	380	1	359		NA				
LNAV MDA	400	1	379	400	1	379	400	1	379		NA				
CIRCLING	520	1	498	520	1	498	520	1 1/2	498		NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BAIRN ON V267 NORTHBOUND AND V531 NORTHWEST BOUND.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TRV VORTAC AIRWAY RADIALS 200 CW 350.  
 (CONTINUED ON PAGE 2)



CITY AND STATE <b>SEBASTIAN, FL</b>	ELEVATION: <b>22</b> TDZE: <b>21</b> AIRPORT NAME: <b>SEBASTIAN MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 5, ORIG-C</b> <b>2 FEBRUARY 2017</b>	SUP: AMDT: <b>ORIG-B</b> DATED <b>01/10/2013</b>
----------------------------------------	--------------------------------------------------------------------------------	-------------------------------------	-----------------------------------------------------------------------------------------------------	--------------------------------------------------------

**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.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
NAMHO (FAF)	ZATOP/2.60 NM TO RW05 (TF) (FB) (RNP 0.30)	051.06 / 2.24	
ZATOP/2.60 NM TO RW05	RW05 (MAP) (TF) (FO) (RNP 0.30)	051.06 / 2.60	
RW05 (MAP)	380 MSL	051.06	
380 MSL	POKME (DF) (FB) (RNP 1.00)		
POKME	HASUP (TF) (FO) (RNP 1.00)	090.12 / 9.70	2000

**NOTES, (CONT.):**

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART NOTE: RWY 05 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VERO BEACH ALTIMETER SETTING AND INCREASE ALL MDA 40 FT, AND INCREASE LP AND LNAV CAT C VISIBILITY 1/8 SM.



CITY AND STATE <b>SEBASTIAN, FL</b>	ELEVATION: 22 TDZE: 21 AIRPORT NAME: <b>SEBASTIAN MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 5, ORIG-C</b> 2 FEBRUARY 2017	SUP:
				AMDT: <b>ORIG-B</b>
				DATED: <b>01/10/2013</b>

**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	X26
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	274831.2745N
LTP/FTP LONGITUDE	0803001.1100W
LTP/FTP ELLIPSOIDAL HEIGHT	-00223
FPAP LATITUDE	274934.3400N
FPAP LONGITUDE	0802849.9500W
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	1520
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

**CRC REMAINDER** 479692C3

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00056
FPAP ORTHOMETRIC HEIGHT	+00056



CITY AND STATE <b>SEBASTIAN, FL</b>	<b>ELEVATION: 22</b>	<b>TDZE: 21</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 5, ORIG-C</b> 2 FEBRUARY 2017	SUP:
	AIRPORT NAME: <b>SEBASTIAN MUNI</b>				AMDT: <b>ORIG-B</b>
					DATED: <b>01/10/2013</b>

**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
MLB VOR/DME	FATKU (TF) (FB) (RNP 2.00)	114.99 / 12.86	2000
CUKPO	HASUP (TF) (FB) (RNP 2.00)	007.62 / 16.89	2000
FATKU (IAF)	MARKG (TF) (FB) (RNP 1.00)	161.98 / 6.50	2000
HASUP (IAF)	MARKG (TF) (FB) (RNP 1.00)	301.05 / 6.50	2000
MARKG (IF)	POKME (TF) (FB) (RNP 1.00)	231.16 / 5.30	1600
(SEE FORM 8260-10)			

LP: RW23  
LNAV: RW23

CLIMB TO 2000 DIRECT JEKOL AND HOLD.

ADDITIONAL FLIGHT DATA:  
HOLD SW, RT, 051.02 INBOUND.  
CHART FAS OBST: 125 TREE 274925N/0802854W  
CHART FAS OBST: 212 ANT 274907N/0802827W  
CHART W-497B.  
WAAS CHANNEL # 82127  
REFERENCE PATH ID: W23A  
POKME TO RW22: 3.00/40.  
LTP HAE: -21.3 M

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT MARKG
- FAC: 231.13 FAF: POKME DIST FAF TO MAP: 4.83 THLD: 4.83
- MIN. ALT: MARKG 2000, POKME 1600, JAKTA/2.70 NM TO RW23 920
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW23 1600

MAG VAR: 6W

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
LP MDA	380	1	358	380	1	358	380	1	358		NA				
LNAV MDA	480	1	458	480	1	458	480	1 3/8	458		NA				
CIRCLING	520	1	498	520	1	498	520	1 1/2	498		NA				

NOTES:  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MLB VOR/DME AIRWAY RADIALS 168 CW 187.  
CHART NOTE: PROCEDURE NA AT NIGHT.  
CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
(CONTINUED ON PAGE 2)



CITY AND STATE <b>SEBASTIAN, FL</b>	ELEVATION: 22 TDZE: 22 AIRPORT NAME: <b>SEBASTIAN MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 23, ORIG-C</b> 2 FEBRUARY 2017	SUP: AMD T: <b>ORIG-B</b> DATED <b>01/10/2013</b>
----------------------------------------	------------------------------------------------------------------	-------------------------------------	------------------------------------------------------------------------------------------------	---------------------------------------------------------

**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.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
POKME (FAF)	JAKTA/2.70 NM TO RW23 (TF) (RNP 0.30)	231.13 / 2.13	
JAKTA/2.70 NM TO RW23	RW23 (MAP) (TF) (FO) (RNP 0.30)	231.13 / 2.70	
RW23 (MAP)	380 MSL	231.13	
380 MSL	JEKOL (DF) (FO) (RNP 1.00)		2000

**NOTES, (CONT.):**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VERO BEACH ALTIMETER SETTING AND INCREASE ALL MDAS 40 FT, AND INCREASE LP VISIBILITY 1/8 SM.**



CITY AND STATE <b>SEBASTIAN, FL</b>	ELEVATION: 22 TDZE: 22 AIRPORT NAME: <b>SEBASTIAN MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 23, ORIG-C</b>  2 FEBRUARY 2017	SUP:
				AMDT: <b>ORIG-B</b>
				DATED: <b>01/10/2013</b>

**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	X26
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	274859.3950N
LTP/FTP LONGITUDE	0802929.3850W
LTP/FTP ELLIPSOIDAL HEIGHT	-00213
FPAP LATITUDE	274756.3030N
FPAP LONGITUDE	0803040.5275W
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	1520
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 912DD166

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00066
FPAP ORTHOMETRIC HEIGHT	+00066



CITY AND STATE <b>SEBASTIAN, FL</b>	ELEVATION: 22      TDZE: 22 AIRPORT NAME: <b>SEBASTIAN MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 23, ORIG-C</b> 2 FEBRUARY 2017	SUP:
				AMDT: <b>ORIG-B</b>
				DATED: <b>01/10/2013</b>

**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	
MIBUR (IF/IAF)	MEGIC (FB)	144.62 / 6.90	2300	LP: RW14 LNAV: RW14
MEGIC (FAF)	WEVOL/2.30 NM TO RW14 (FB)	144.66 / 2.80		
WEVOL/2.30 NM TO RW14	RW14 (MAP) (FO)	144.68 / 2.30		CLIMB TO 1100, THEN CLIMBING LEFT TURN TO 3000 DIRECT MIBUR AND HOLD.
RW14 (MAP)	1100 MSL	144.68	1100	
1100 MSL	MIBUR (FO)		3000	

ADDITIONAL FLIGHT DATA:  
CHART FAS OBST: 740 TREE 333702N/0832746W  
CHART: 1085 TOWER 334051N/0833108W  
WAAS CHANNEL # 77723  
REFERENCE PATH ID: W14A  
MEGIC TO RW14: 3.00/40.  
CHART ATHENS ASOS FREQUENCY.  
LTP HAE: 165.5 M

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD NW MIBUR, RT, 144.63 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 144.66 FAF: MEGIC DIST FAF TO MAP: 5.10 THLD: 5.10
4. MIN. ALT: MIBUR 3000, MEGIC 2300, WEVOL/2.30 NM TO RW14 1400
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
7. GS ANGLE:        TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: **4W** EPOCH YEAR: **1995**

**MINIMUMS**

TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>	ALTERNATE: N A <input checked="" type="checkbox"/>														
CATEGORY >>>>>	A			B			C			D			E		
	DH/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	1060	1	374	1060	1	374	1060	1 1/4	374		NA				
LNAV MDA	1060	1	374	1060	1	374	1060	1 1/4	374		NA				
CIRCLING	1220	1	526	1220	1	526	1220	1 1/2	526		NA				

NOTES:  
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.  
CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: USE ATHENS ALTIMETER SETTING.



CITY AND STATE <b>MADISON, GA</b>	ELEVATION: <b>694</b> TDZE: <b>686</b> AIRPORT NAME: <b>MADISON MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 14, ORIG-A</b> 2 FEBRUARY 2017	SUP: AMD T: <b>ORIG</b> DATED <b>07/28/2011</b>
--------------------------------------	--------------------------------------------------------------------------------	-------------------------------------	------------------------------------------------------------------------------------------------	-------------------------------------------------------

**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.

TAA	FROM	TO	ALT
1.	055/30 CW 235/30 (NOPT)	055/10 CW 235/10	3700
2.	055/10 CW 235/10	MIBUR (IF/IAF) (FB)	3000
3.	235/30 CW 055/30	MIBUR (IF/IAF) (FO)	3000



CITY AND STATE <b>MADISON, GA</b>	ELEVATION: 694 TDZE: 686 AIRPORT NAME: <b>MADISON MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 14, ORIG-A</b> 2 FEBRUARY 2017	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>07/28/2011</b>

**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	52A
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	333658.2000N
LTP/FTP LONGITUDE	0832751.8300W
LTP/FTP ELLIPSOIDAL HEIGHT	+01655
FPAP LATITUDE	333549.1200N
FPAP LONGITUDE	0832644.2700W
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	1592
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

**CRC REMAINDER** 17F3F5CB

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01939
FPAP ORTHOMETRIC HEIGHT	+01939



CITY AND STATE <b>MADISON, GA</b>	ELEVATION: 694 TDZE: 686 AIRPORT NAME: <b>MADISON MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 14, ORIG-A</b> 2 FEBRUARY 2017	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>07/28/2011</b>

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

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

ARINC SUMMARY - 52A

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
MIBUR	010	MIBUR	HF	FO		144.6			R			AA 03000		EE A
	010	MIBUR	IF	FB								AA 03000		E I
	020	MEGIC	TF	FB	1.0	144.6						AA 02300		E F
	021	WEVOL	TF	FB	0.3	144.7		3.00				AA 01400 GS 01408		E S
	030	RW14	TF	FO	0.3	144.7		3.00				AT 00676		GY M
	040		CA	FB		144.7						AA 01100		M
	050	MIBUR	DF	FO	1.0				L			AA 03000		EY
	060	MIBUR	HM	FO		144.6			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
MEGIC	N334055.35	W0833144.07
MIBUR	N334616.05	W0833658.88
WEVOL	N333845.17	W0832936.53

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW14	N333658.20	W0832751.83	00636	40

CITY AND STATE <b>MADISON, GA</b>	ELEVATION: <b>694</b> <b>TDZE: 686</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>MADISON MUNI</b>	<b>RNAV</b>	<b>RNAV (GPS) RWY 14, ORIG-A</b> 2 FEBRUARY 2017	AMDT: <b>ORIG</b>
				DATED: <b>07/28/2011</b>

QUALITY  
12  
CHECKED

**U.S. DEPARTMENT OF TRANSPORTATION -- FEDERAL AVIATION ADMINISTRATION  
RADAR -- STANDARD INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE -- FAR 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:	
												PAR RWY 17: DA ASR RWY 17, 35: 1.00 NM FROM THRESHOLD	
As established by the current St Joseph ASR Minimum Vectoring Altitude Chart.											PAR RWY 17: CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT STJ VORTAC AND HOLD. ASR RWY 17: CLIMBING RIGHT TURN TO 3000 DIRECT STJ VORTAC AND HOLD. ASR RWY 35: CLIMB TO 3000 DIRECT STJ VORTAC AND HOLD. (SEE FORM 8260-10)		

**MINIMUMS**

TAKEOFF:		STANDARD	<input checked="" type="checkbox"/>	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A		PAR: STANDARD #	ASR: STANDARD@							
CATEGORY =====>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
	DH/MDA	VIS	HAT/HAA	DH/MDA	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA	DH/MDA	V I S	HAT/HAA
PAR S-17	1027	3/4	200	1027	3/4	200	1027	3/4	200	1027	3/4	200	1027	3/4	200
ASR S-17	1380	1 1/4	553	1380	1 1/4	553	1380	1 5/8	553	1380	1 5/8	553	1380	1 5/8	553
ASR S-35	1220	1 1/4	405	1220	1 1/4	405	1220	1 1/4	405	1220	1 1/4	405	1220	1 1/4	405
CIRCLING	1400	1 1/4	573	1420	1 1/4	593	1620	2 1/4	793	1640	2 3/4	813	1760	3	933

NOTES:  
 PAR RWY 17: FAF 6.54 NM FROM THRESHOLD, GLIDEPATH INTERCEPT ALTITUDE 3000; FINAL APPROACH COURSE 176.00.  
 ASR RWY 17: FAF 6.00 NM FROM THRESHOLD, MINIMUM ALTITUDE 3000; MINIMUM ALTITUDE 3 NM FIX 1940; FINAL APPROACH COURSE 176.00. RECOMMENDED ALTITUDE: 5 NM 2640; 4 NM 2300; 3 NM 1940; 2 NM 1580.  
 ASR RWY 35: FAF 6.00 NM FROM THRESHOLD, MINIMUM ALTITUDE 3000; MINIMUM ALTITUDE 3 NM FIX 1940; FINAL APPROACH COURSE 356.00. RECOMMENDED ALTITUDE: 5 NM 2640; 4 NM 2300; 3 NM 1940; 2 NM 1580.  
 CHART NOTE: WHEN ST JOSEPH APPROACH CONTROL CLOSED, PROCEDURE NA.  
 #@ CAT C 800-2 1/4, CAT D 900-2 3/4, CAT E 1000-3.  
 LOST COMMUNICATIONS (ALL RWYS): As directed by ATC on initial contact.

ADDITIONAL FLIGHT DATA  
 TDZE: 826.5 RWY: 17 TDZE: RWY:  
 TDZE: 814.7 RWY: 35 TDZE: RWY:  
 PAR RWY 17: GS 3.00 / TCH 52.4 / RPI 998.3  
 FAS OBST:  
 RWY 17: 1114 TREE 394843.24N/0945600.54W  
 RWY 35: 966 TANK 394506.98N/0945326.93W  
 CHART CIRCLING ICON.  
 MAG VAR: 4E EPOCH YEAR: 1995

CITY AND STATE	ELEVATION: 827	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
ST JOSEPH, MO	AIRPORT NAME: ROSECRANS MEMORIAL	STJ ASR/PAR	RADAR 1, AMDT 2 2 FEBRUARY 2017	AMDT: 1
				DATED: 02/16/06

**INSTRUMENT APPROACH PROCEDURE**

FLIGHT STANDARDS SERVICES

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

MISSED APPROACH CONT:  
HOLD S, RT, 355.00 INBOUND.



CITY AND STATE	ELEVATION: 827 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ST JOSEPH, MO	AIRPORT NAME: ROSECRANS MEMORIAL	STJ ASR/PAR	RADAR 1, AMDT 2 2 FEBRUARY 2017	AMDT: 1
				DATED: 02/16/06

**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: N A	
CATEGORY =====>		
	MDA VIS	MDA VIS

NOTES:

PROCEDURE CANCELED EFFECTIVE 2 FEBRUARY 2017

CITY AND STATE <b>MEDFORD, WI</b>	ELEVATION: 1478 TDZE: 1459 AIRPORT NAME: <b>TAYLOR COUNTY</b>	FACILITY IDENTIFIER: <b>MDZ</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>NDB RWY 34, AMDT 7, 03/12/2009</b>	SUP NDB OR GPS RWY <b>34</b> AMDT <b>6B</b> DATE <b>04/28/1994</b>
--------------------------------------	---------------------------------------------------------------------	------------------------------------	---------------------------------------------------------------------------------	-----------------------------------------------------------------------------

**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: CRONY LNAV: CRONY
YURUL (IAF)	TOTLE (NOPT) (TF) (FB) (RNP 1.00)	226.21 / 8.00	5700	<b>CLIMBING RIGHT TURN TO 5700 DIRECT TOTLE AND HOLD, CONTINUE CLIMB IN HOLD TO 5700. #MISSED APPROACH REQUIRES MINIMUM CLIMB OF 325 FEET PER NM TO 3900.</b>
FIGRO (IAF)	TOTLE (NOPT) (TF) (FB) (RNP 1.00)	045.73 / 8.00	5700	
TOTLE (IF/IAF)	ICALE (TF) (FB) (RNP 1.00)	135.97 / 5.40	4000	
ICALE	CWILL (TF) (FB) (RNP 1.00)	136.06 / 2.60	3200	
CWILL (FAF)	EMIDE/3.00 NM TO CRONY (TF) (FB) (RNP 0.30)	136.10 / 1.41		<b>ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1911 TREE 635217N/1485652W FAS OBST: 1800 AAO 635442N/1485938W 2126 AAO 635648N/1490054W WAAS CHANNEL # 53539 REFERENCE PATH ID: W15A CHART CIRCLING ICON. CWILL TO RW15: 3.68/40. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 20.00 DEGREES. FICTITIOUS THRESHOLD POINT (CFPRV) DO NOT CHART. FAC CROSSES RWY C/L EXTENDED 3001 FT FROM THLD. FTP HAE: 395.8 M</b>
(SEE FORM 8260-10)				

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD NW TOTLE, RT, 135.97 INBOUND, 5700 FT. IN LIEU OF PT (IAF)
3. FAC: 136.10 FAF: CWILL DIST FAF TO MAP: 4.41 THLD: 4.87
4. MIN. ALT: **TOTLE 5700, ICALE 4000, CWILL 3200, EMIDE/3.00 NM TO CRONY 2640**
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
7. GS ANGLE:        TCH: **34:1 IS NOT CLEAR**
8. MSA FROM:

MAG VAR: 16E EPOCH YEAR: 2020

**MINIMUMS**

TAKEOFF: <u>      </u> SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A <input type="checkbox"/> X <input checked="" type="checkbox"/>														
CATEGORY <u>=====</u> >	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>										
	DH/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 #	2120	1	845	2120	1 1/4	845		NA			NA				
LP MDA	2240	1 1/4	965	2240	1 1/2	965		NA			NA				
LNAV MDA #	2260	1 1/4	985	2260	1 1/2	985		NA			NA				
LNAV MDA	2580	1 1/4	1305	2580	1 1/2	1305		NA			NA				
CIRCLING	2660	1 1/4	1385	2700	1 1/2	1425		NA			NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: PROCEDURE NA AT NIGHT.  
 CHART NOTE: USE MCKINLEY PARK ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA.  
 CHART NOTE: RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

QUALITY  
22  
CHECKED

CITY AND STATE <b>HEALY, AK</b>	ELEVATION: 1275 TDZE: 1275 AIRPORT NAME: <b>HEALY RIVER</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 15, ORIG</b> <b>2 MARCH 2017</b>	SUP: AMDT: <b>NONE</b> 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, (CONT.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
EMIDE/3.00 NM TO CRONY	CRONY (MAP) (TF) (FO) (RNP 0.30)	136.10 / 3.00	
CRONY (MAP)	1675 MSL	136.10	
1675 MSL	TOTLE (DF) (FO) (RNP 1.00)		5700

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	046/30 CW 091/30	046/4 CW 091/4	6100
2.	046/4 CW 091/4 (NOPT)	TOTLE (IF/IAF) (FB)	5700
3.	091/30 CW 180/30 (NOPT)	TOTLE (IF/IAF) (FB)	5700
4.	180/30 CW 226/30	180/6 CW 226/6	6400
5.	180/6 CW 226/6 (NOPT)	TOTLE (IF/IAF) (FB)	5700
6.	226/30 CW 316/30	226/12 CW 316/12	9700
7.	226/12 CW 316/12	YURUL (IAF) (FB)	6700
8.	316/30 CW 046/30	316/12 CW 046/12	9000
9.	316/12 CW 046/12	FIGRO (IAF) (FB)	6200

QUALITY  
22  
CHECKED

CITY AND STATE <b>HEALY, AK</b>	ELEVATION: 1275 AIRPORT NAME: <b>HEALY RIVER</b>	TDZE: 1275	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 15, ORIG</b> 2 MARCH 2017	SUP:
					AMDT: <b>NONE</b>
					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 INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAHV
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	635222.1790N
LTP/FTP LONGITUDE	1485751.9830W
LTP/FTP ELLIPSOIDAL HEIGHT	+03958
FPAP LATITUDE	635103.6210N
FPAP LONGITUDE	1485618.0525W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.68
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 8C05F641

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+03830
FPAP ORTHOMETRIC HEIGHT	+03830

QUALITY  
22  
CHECKED

CITY AND STATE <b>HEALY, AK</b>	<b>ELEVATION: 1275</b>	<b>TDZE: 1275</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 15, ORIG</b> 2 MARCH 2017	SUP:	<b>22</b>	
	AIRPORT NAME: <b>HEALY RIVER</b>				AMDT:	<b>NONE</b>	
					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
CAWIN	RIFFS (TF) (FB) (RNP 2.00)	348.89 / 15.79	8900
RIFFS (IAF)	LOUMA (TF) (FB) (RNP 1.00)	349.09 / 6.00	7900
LOUMA (IF)	FURZY (TF) (FB) (RNP 1.00)	349.62 / 7.84	5700
FURZY (FAF)	STALE/3.90 NM TO WATOP (TF) (FB) (RNP 0.30)	323.56 / 2.04	
STALE/3.90 NM TO WATOP	WATOP (MAP) (TF) (FO) (RNP 0.30)	323.56 / 3.90	
(SEE FORM 8260-10)			

**WATOP**

CLIMB TO 5700 DIRECT TOTLE AND HOLD.

ADDITIONAL FLIGHT DATA:  
HOLD NW, RT, 135.97 INBOUND.  
FAS OBST: 3000 AAO 634902N/1485444W  
3900 AAO 364812N/1485306W  
CHART CIRCLING ICON.  
FAC CROSSES RWY 33 THLD.

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. PROFILE STARTS AT LOUMA
3. FAC: 323.56 FAF: FURZY DIST FAF TO MAP: 5.94 THLD:
4. MIN. ALT: LOUMA 7900, FURZY 5700, STALE/3.90 NM TO WATOP 5020
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
7. GS ANGLE:        TCH:
8. MSA FROM: WATOP 8700

MAG VAR: 16E EPOCH YEAR: 2020

**MINIMUMS**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A <input checked="" type="checkbox"/>														
CATEGORY =====>															
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>										
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
<b>CIRCLING</b>	3600	1 1/4	2325	3600	1 1/2	2325	3700	3	2425		NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: PROCEDURE NA AT NIGHT.  
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
 CHART NOT: USE MCKINLEY PARK ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT CAWIN ON V438 AND T227 SOUTHWEST BOUND.

CITY AND STATE <b>HEALY, AK</b>	ELEVATION: 1275 TDZE: AIRPORT NAME: <b>HEALY RIVER</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS)-A, ORIG</b> 2 MARCH 2017	SUP: AMDT: <b>NONE</b> DATED: <b>22</b>
------------------------------------	--------------------------------------------------------------	-------------------------------------	-------------------------------------------------------------------------------------	-----------------------------------------------

**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.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
WATOP (MAP)	1675 MSL	323.56	
1675 MSL	TOTLE (DF) (FO) (RNP 1.00)		5700

QUALITY  
22  
CHECKED

CITY AND STATE <b>HEALY, AK</b>	ELEVATION: 1275 AIRPORT NAME: <b>HEALY RIVER</b>	TDZE:	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS)-A, ORIG</b> 2 MARCH 2017	SUP:
					AMDT: <b>NONE</b>
					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
ILI NDB/DME	ASVIW (FO)	255.10 / 10.45	5000
SPAKE	FAGIN (FB)	043.14 / 21.00	5000
NUTUW (IAF)	ASVIW (NOPT) (FB)	343.91 / 12.16	5000
FAGIN (IAF)	ASVIW (NOPT) (FB)	108.34 / 11.00	5000
ASVIW (IF/IAF)	DILAY (FB)	035.92 / 8.42	4100
DILAY (FAF)	JURAS/6.90 NM TO IYAYA (FB)	015.63 / 2.60	
(SEE FORM 8260-10)			

**LNAV: IYAYA**

**CLIMBING RIGHT TURN TO 5000 DIRECT HUMRA AND HOLD.**

**ADDITIONAL FLIGHT DATA:**  
 HOLD SW, LT, 049.62 INBOUND.  
 CHART FAS OBST: 1054 200' AAO 595400N/1545745W  
 CHART 2570 AAO 595120N/1550100W.  
 CHART 2349 AAO 595214N/1545753W.  
 KECEY TO RW02: 3.55/40.  
 ROUTE TYPE DESCRIPTION: A, P  
 APPROACH ROUTE QUALIFIER 2: S  
 CHART ILIAMNA ASOS  
 FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.

MAG VAR: 18E      EPOCH YEAR: 2005

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD SW ASVIW, RT, 035.92 INBOUND, 5000 FT. IN LIEU OF PT (IAF)
3. FAC: 015.63 FAF: DILAY DIST FAF TO MAP: 9.51 THLD: 10.00
4. MIN. ALT: ASVIW 5000, DILAY 4100, JURAS/6.90 NM TO IYAYA 3120, KECEY/5.80 NM TO IYAYA 2720
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: IYAYA 6500

**MINIMUMS**

TAKEOFF: <u>      </u>	<u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>					ALTERNATE: N A <input type="checkbox"/> X <input checked="" type="checkbox"/>									
CATEGORY <u>====&gt;</u>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1380	1 1/4	1066	1380	1 1/2	1066		NA			NA				
CIRCLING	1380	1 1/4	1066	1380	1 1/2	1066		NA			NA				

NOTES:  
 CHART NOTE: WHEN ILIAMNA ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FAGIN ON V462 SOUTHWEST BOUND AND ARRIVALS AT ILI NDB ON  
 (CONTINUED ON PAGE 2)



CITY AND STATE <b>NONDALTON, AK</b>	ELEVATION: 314      TDZE: 314 AIRPORT NAME: <b>NONDALTON</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 2, ORIG-A</b> 2 MARCH 2017	SUP: AMDT: <b>ORIG</b> DATED <b>02/16/2006</b>
----------------------------------------	--------------------------------------------------------------------	-------------------------------------	-------------------------------------------------------------------------------------------	------------------------------------------------------

**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.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
JURAS/6.90 NM TO IYAYA	KECEY/5.80 NM TO IYAYA (FB)	015.63 / 1.10	
KECEY/5.80 NM TO IYAYA	IYAYA (MAP) (FO)	015.63 / 5.80	
IYAYA (MAP)	714 MSL	015.63	
714 MSL	HUMRA (FO)		5000

**NOTES, (CONT.):**

G4 AND R99 NORTHEAST BOUND.  
 CHART NOTE: STRAIGHT-IN RWY 2 NA AT NIGHT.  
 CHART NOTE: RWY 2 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA.  
 CHART NOTE: CIRCLING NA NW OF RWY 2-20.



CITY AND STATE <b>NONDALTON, AK</b>	ELEVATION: 314 TDZE: 314 AIRPORT NAME: <b>NONDALTON</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 2, ORIG-A</b> 2 MARCH 2017	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>02/16/2006</b>

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

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

ARINC SUMMARY - PANO

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
FAGIN	010	FAGIN	IF	FB										E A
FAGIN	020	ASVIW	TF	FB	1.0	108.3						AA 05000		EE B
ILI	010	ILI	IF	FB										N
ILI	020	ASVIW	TF	FO	2.0	255.1						AA 05000		EY
ILI	030	ASVIW	HF	FO		035.9			R			AA 05000		EE A
NUTUW	010	NUTUW	IF	FB										E A
NUTUW	020	ASVIW	TF	FB	1.0	343.9						AA 05000		EE B
SPAKE	010	SPAKE	IF	FB										E
SPAKE	020	FAGIN	TF	FB	2.0	043.1						AA 05000		E A
SPAKE	030	ASVIW	TF	FB	1.0	108.3						AA 05000		EE B
	010	ASVIW	IF	FB								AA 05000		E I
	020	DILAY	TF	FB	1.0	035.9				IYAYA		AA 04100		E F
	021	JURAS	TF	FB	0.3	015.6		3.55				AA 03120 GS 03131		E S
	022	KECEY	TF	FB	0.3	015.6		3.55				AA 02720 GS 02720		E S
	030	IYAYA	TF	FO	0.3	015.6		3.55				AT 00345		EY M
	040		CA	FB		015.6						AA 00714		M
	050	HUMRA	DF	FO					R			AA 05000		EY
	060	HUMRA	HM	FO		049.6			L			AA 05000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ILI (DME)	N594451.09	W1545436.54
ILI	N594453.08	W1545434.70
FAGIN	N595156.15	W1553243.30
HUMRA	N594308.12	W1550349.90
NUTUW	N593317.62	W1551601.04
SPAKE	N594154.67	W1560912.06
ASVIW	N594524.83	W1551512.17
DILAY	N595021.06	W1550142.58
IYAYA	N595814.51	W1545113.84
JURAS	N595231.08	W1545850.52
KECEY	N595325.86	W1545737.89

RUNWAYS

THRESHOLD                      THRESHOLD                      THRESHOLD                      PROCEDURE



CITY AND STATE <b>NONDALTON, AK</b>	ELEVATION: <b>314</b> <b>TDZE: 314</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 2, ORIG-A</b>	SUP:
	AIRPORT NAME: <b>NONDALTON</b>		2 MARCH 2017	AMDT: <b>ORIG</b>
				DATED: <b>02/16/2006</b>

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

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

RUNWAY	LATITUDE	LONGITUDE	ELEVATION	TCH
RW02	N595837.91	W1545037.84	00305	40



CITY AND STATE <b>NONDALTON, AK</b>	ELEVATION: <b>314</b> TDZE: <b>314</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 2, ORIG-A</b>  2 MARCH 2017	SUP:
	AIRPORT NAME: <b>NONDALTON</b>			AMDT: <b>ORIG</b>
				DATED: <b>02/16/2006</b>

**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	
WEDUR (IF/IAF)	JUBVU (FB)	051.05 / 6.79	2800	<b>LP: RW04</b> <b>LNAV: RW04</b>  <b>CLIMB TO 3400 DIRECT CHIEF AND HOLD.</b>
JUBVU (FAF)	OVVIX/2.80 NM TO RW04 (FB)	051.15 / 2.83		
OVVIX/2.80 NM TO RW04	RW04 (MAP) (FO)	051.15 / 2.80		
RW04 (MAP)	1100 MSL	051.15	3400	<b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD NE, RT, 231.30 INBOUND.</b> <b>CHART FAS OBST: 1315 TOWER 361708N/0923728W</b> <b>CHART FAS OBST: 832 TREE 361638N/0923657W</b> <b>CHART 1052 TREE 361536N/0923825W</b> <b>WAAS CHANNEL # 58239</b> <b>REFERENCE PATH ID: W04A</b> <b>JUBVU TO RW04: 3.50/55.</b> <b>CHART CIRCLING ICON.</b> <b>CHART KBPK IN PLANVIEW</b> <b>LTP HAE: 170.4 M</b>
1100 MSL	CHIEF (FO)			

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD SW WEDUR, RT, 051.05 INBOUND, 3600 FT. IN LIEU OF PT (IAF)
- FAC: 051.15 FAF: JUBVU DIST FAF TO MAP: 5.63 THLD: 5.63
- MIN. ALT: **WEDUR 3600, JUBVU 2800, OVVIX/2.80 NM TO RW04 1740**
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: **34:1 IS NOT CLEAR**
- MSA FROM:

MAG VAR: **0E** EPOCH YEAR: **2020**

**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	1100	1	407	1100	1	407	1100	1 3/8	407		NA				
LNAV MDA	1500	1	807	1500	1 1/4	807	1500	2 1/2	807		NA				
CIRCLING	1500	1	780	1500	1 1/4	780	1500	2 1/2	780		NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA. @ CAT C 800-2 1/2  
 CHART NOTE: PROCEDURE NA AT NIGHT.  
 CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
 CHART NOTE: CIRCLING NA NW OF RWY 4-22.



CITY AND STATE <b>FLIPPIN, AR</b>	ELEVATION: <b>720</b> TDZE: <b>693</b> AIRPORT NAME: <b>MARION COUNTY RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 4, AMDT 1</b> <b>2 MARCH 2017</b>	SUP: AMDT: <b>ORIG</b> DATED <b>03/12/2009</b>
--------------------------------------	--------------------------------------------------------------------------------------	-------------------------------------	--------------------------------------------------------------------------------------------------	------------------------------------------------------

**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.

TAA	FROM	TO	ALT
1.	321/30 CW 141/30 (NOPT) 321/6 CW 141/6	321/6 CW 141/6 WEDUR (IAF) (FB)	3900 3600
2.	141/30 CW 321/30	WEDUR (IF/IAF) (FO)	3600



CITY AND STATE <b>FLIPPIN, AR</b>	ELEVATION: 720 TDZE: 693 AIRPORT NAME: <b>MARION COUNTY RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 4, AMDT 1</b> 2 MARCH 2017	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>03/12/2009</b>

**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	KFLP
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	361711.7145N
LTP/FTP LONGITUDE	0923548.7170W
LTP/FTP ELLIPSOIDAL HEIGHT	+01704
FPAP LATITUDE	361807.6150N
FPAP LONGITUDE	0923422.8100W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 0E9E756E

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01988
FPAP ORTHOMETRIC HEIGHT	+01988



CITY AND STATE  FLIPPIN, AR	ELEVATION: 720      TDZE: 693	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 4, AMDT 1  2 MARCH 2017	SUP:
	AIRPORT NAME:  MARION COUNTY RGNL			AMDT:      ORIG
				DATED:      03/12/2009

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

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

ARINC SUMMARY - KFLP

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
WEDUR	010	WEDUR	HF	FO		051.1			R			AA 03600		EE A
	010	WEDUR	IF	FB								AA 03600		E I
	020	JUBVU	TF	FB	1.0	051.1						AA 02800		E F
	021	OVVIX	TF	FB	0.3	051.2		3.50				AA 01740 GS 01748		E S
	030	RW04	TF	FO	0.3	051.2		3.50				AT 00707		GY M
	040		CA	FB		051.2						AA 01100		M
	050	CHIEF	DF	FO	1.0							AA 03400		EY
	060	CHIEF	HM	FO		231.3			R			AA 03400		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CHIEF	N362524.18	W0922310.30
JUBVU	N361339.60	W0924114.14
OVVIX	N361526.27	W0923830.61
WEDUR	N360923.32	W0924745.67

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW04	N361711.71	W0923548.72	00652	55

QUALITY  
25  
CHECKED

CITY AND STATE <b>FLIPPIN, AR</b>	ELEVATION: <b>720</b> TDZE: <b>693</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>MARION COUNTY RGNL</b>		<b>RNAV (GPS) RWY 4, AMDT 1</b>	AMDT: <b>ORIG</b>
			<b>2 MARCH 2017</b>	DATED: <b>03/12/2009</b>

**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	
CHIEF (IF/IAF)	RAJFA (TF) (FB) (RNP 1.00)	231.30 / 6.81	2800	LPV: DA LNAV/VNAV: DA LNAV: RW22  CLIMB TO 3600 DIRECT WEDUR AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SW, RT, 051.05 INBOUND. FAS OBST: 940 AAO 361947N/0923149W DISTANCE TO THLD FROM 302 HAT: 0.67 NM. WAAS CHANNEL # 90539 REFERENCE PATH ID: W22A CHART CIRCLING ICON. CHART KBPK IN PLANVIEW LTP HAE: 190.9 M
RAJFA (FAF)	RW22 (MAP) (TF) (FO) (RNP 0.30)	231.25 / 5.46		
RW22 (MAP)	1022 MSL	231.25		
1022 MSL	WEDUR (DF) (FO) (RNP 1.00)		3600	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD NE CHIEF, RT, 231.30 INBOUND, 3400 FT. IN LIEU OF PT (IAF)
- FAC: 231.25 FAF: RAJFA DIST FAF TO MAP: 5.46 THLD: 5.46
- MIN. ALT: **CHIEF 3400, RAJFA 2800**
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 2800 GS ALT AT: RAJFA 2800 OM:        MM:        IM:
- GS ANGLE: 3.50 TCH: 52.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 0E EPOCH YEAR: 2020

**MINIMUMS**

TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD					
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1022	1	302	1022	1	302	1022	1	302		NA				
LNAV/VNAV DA	1169	1 3/8	449	1169	1 3/8	449	1169	1 3/8	449		NA				
LNAV MDA	1320	1	600	1320	1	600	1320	1 3/4	600		NA				
CIRCLING	1320	1	600	1320	1	600	1360	1 3/4	640		NA				

- NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -13C (9F) OR ABOVE 54C (130F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: PROCEDURE NA AT NIGHT.  
 CHART NOTE: CIRCLING NA NW OF RWY 4-22.  
 CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CITY AND STATE <b>FLIPPIN, AR</b>	ELEVATION: 720 TDZE: 720 AIRPORT NAME: <b>MARION COUNTY RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 22, AMDT 1</b> <b>2 MARCH 2017</b>	SUP: <b>4</b> AMDT: <b>ORIG</b> DATED: <b>03/12/2009</b>
--------------------------------------	------------------------------------------------------------------------	-------------------------------------	---------------------------------------------------------------------------------------------------	----------------------------------------------------------------



**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.

TAA	FROM	TO	ALT
1.	141/30 CW 321/30 (NOPT)	CHIEF (IF/IAF) (FB)	3400
	321/30 CW 141/30	CHIEF (IF/IAF) (FO)	3400

CITY AND STATE

FLIPPIN, AR

ELEVATION: 720

TDZE: 720

AIRPORT NAME:

MARION COUNTY RGNL

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, AMDT 1

2 MARCH 2017

SUP: 4

AMDT CHECKED ORIG

DATED: 03/12/2009

**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 INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFLP
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	361742.6975N
LTP/FTP LONGITUDE	0923501.1140W
LTP/FTP ELLIPSOIDAL HEIGHT	+01909
FPAP LATITUDE	361646.7805N
FPAP LONGITUDE	0923626.9965W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 363E8CCD

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02193
FPAP ORTHOMETRIC HEIGHT	+02193

CITY AND STATE  FLIPPIN, AR	ELEVATION: 720	TDZE: 720	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 22, AMDT 1  2 MARCH 2017	SUP: <span style="color: green;">QUALITY</span>
	AIRPORT NAME:  MARION COUNTY RGNL				AMDT: <span style="color: green;">4</span>
					DATED: <span style="color: green;">ORIG CHECKED</span> 03/12/2009

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

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

ARINC SUMMARY - KFLP

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CHIEF	010	CHIEF	HF	FO		231.3			R			AA 03400		EE A
	010	CHIEF	IF	FB								AA 03400		E I
	020	RAJFA	TF	FB	1.0	231.3						AA 02800		E F
	030	RW22	TF	FO	0.3	231.3		3.50				AT 00772		GY M
	040		CA	FB		231.3						AA 01022		M
	050	WEDUR	DF	FO								AA 03600		EY
	060	WEDUR	HM	FO		051.1			R			AA 03600		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CHIEF	N362524.18	W0922310.30
RAJFA	N362108.07	W0922945.17
WEDUR	N360923.32	W0924745.67

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW22	N361742.70	W0923501.11	00720	52



CITY AND STATE <b>FLIPPIN, AR</b>	ELEVATION: <b>720</b> TDZE: <b>720</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 22, AMDT 1</b>  2 MARCH 2017	SUP:
	AIRPORT NAME: <b>MARION COUNTY RGNL</b>			AMDT: <b>ORIG</b>
				DATED: <b>03/12/2009</b>

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37

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

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
FLIPPIN, AR	MARION COUNTY RGNL	2 MARCH 2017	1

**TAKEOFF MINIMUMS:**

RWY 4, STANDARD.

RWY 22, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 222 FEET PER NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1600 FEET PRIOR TO DER.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 22 - CLIMB HEADING 231.20 TO 1600 BEFORE TURNING RIGHT.

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 4, VEHICLE ON ROAD 2 FT FROM DER, 276 FT LEFT OF CENTERLINE, 10 FT AGL/733 FT MSL. VEHICLE ON ROAD 14 FT FROM DER, 494 FT RIGHT OF CENTERLINE, 26 FT AGL/724 FT MSL. TREES, POLES, VEHICLE ON ROAD, BEGINNING 153 FT FROM DER, 276 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/799 FT MSL. TREES, BEGINNING 223 FT FROM DER, 325 FT RIGHT OF CENTERLINE, UP TO 77 FT AGL/777 FT MSL. TREES, BEGINNING 491 FT FROM DER, 226 FT RIGHT OF CENTERLINE, UP TO 81 FT AGL/781 FT MSL. TREES, POLE, BEGINNING 725 FT FROM DER, 45 FT LEFT OF CENTERLINE, UP TO 73 FT AGL/800 FT MSL. TREES, BEGINNING 1492 FT FROM DER, 61 FT LEFT OF CENTERLINE, UP TO 83 FT AGL/809 FT MSL. TREES, BEGINNING 1827 FT FROM DER, 165 FT RIGHT OF CENTERLINE, UP TO 78 FT AGL/793 FT MSL. TREES, BEGINNING 2266 FT FROM DER, 14 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/803 FT MSL. TREES, BEGINNING 2430 FT FROM DER, 51 FT RIGHT OF CENTERLINE, UP TO 99 FT AGL/804 FT MSL. TREES, BEGINNING 2633 FT FROM DER, 248 FT RIGHT OF CENTERLINE, UP TO 98 FT AGL/809 FT MSL. T-L TWR, BEGINNING 3317 FT FROM DER, 1120 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/819 FT MSL. TREE 3334 FT FROM DER, 123 FT LEFT OF CENTERLINE, 85 FT AGL/818 FT MSL. T-L TWR, POLE, BEGINNING 3781 FT FROM DER, 536 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/840 FT MSL.

NOTE: RWY 22, VEHICLE ON ROAD 2 FT FROM DER, 244 FT LEFT OF CENTERLINE, 17 FT AGL/654 FT MSL. GRD 2 FT FROM DER, 496 FT LEFT OF CENTERLINE, 675 FT MSL. TREE 321 FT FROM DER, 458 FT LEFT OF CENTERLINE, 61 FT AGL/694 FT MSL. TREES BEGINNING 325 FT FROM DER, 198 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/699 FT MSL. TREE 369 FT FROM DER, 486 FT RIGHT OF CENTERLINE, 24 FT AGL/669 FT MSL. POLE BEGINNING 369 FT FROM DER, 490 FT RIGHT OF CENTERLINE, UP TO 25 FT AGL/671 FT MSL. BLDG, POLE BEGINNING 387 FT FROM DER, 299 FT RIGHT OF CENTERLINE, UP TO 26 FT AGL/672 FT MSL. BLDGS, TREES, BEGINNING 672 FT FROM DER, 99 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/683 FT MSL. BLDG, CHY BEGINNING 1095 FT FROM DER, 582 FT RIGHT OF CENTERLINE, UP TO 57 FT AGL/701 FT MSL. TREES BEGINNING 1303 FT FROM DER, 26 FT RIGHT OF CENTERLINE, UP TO 67 FT AGL/709 FT MSL. TREE 1413 FT FROM DER, 18 FT LEFT OF CENTERLINE, 51 FT AGL/698 FT MSL. TREES BEGINNING 1619 FT FROM DER, 55 FT RIGHT OF CENTERLINE, UP TO 63 FT AGL/713 FT MSL. TREE, POLE BEGINNING 1673 FT FROM DER, 140 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/732 FT MSL. TREES BEGINNING 2001 FT FROM DER, 195 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/721 FT MSL. TREE, POLES BEGINNING 2099 FT FROM DER, 203 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/746 FT MSL. POLE 2438 FT FROM DER, 744 FT LEFT OF CENTERLINE, 100 FT AGL/779 FT MSL. TREES BEGINNING 2461 FT FROM DER, 25 FT LEFT OF CENTERLINE, UP TO 92 FT AGL/804 FT MSL. TREES BEGINNING 2470 FT FROM DER, 330 FT RIGHT OF CENTERLINE, UP TO 97 FT AGL/760 FT MSL. TREES BEGINNING 2913 FT FROM DER, 18 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/766 FT MSL. TREES BEGINNING 3571 FT FROM DER, 55 FT RIGHT OF CENTERLINE, UP TO 78 FT AGL/770 FT MSL. TREE 1 NM FROM DER, 836 FT RIGHT OF CENTERLINE, 88 FT AGL/832 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 22: 832 FT MSL TREE 361638.00N/0923656.00W

OBSTACLES MANDATING ROUTE DEVELOPMENT: RWY 22: 1453 FT MSL TOWER 361627.00N/0924038.00W

**REMARKS:**



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37**

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

<b>CITY, STATE</b> FLIPPIN, AR	<b>AIRPORT</b> MARION COUNTY RGNL	<b>EFFECTIVE DATE</b> 2 MARCH 2017	<b>AMDT NO</b> 1
-----------------------------------	--------------------------------------	---------------------------------------	---------------------

<b>FLIGHT INSPECTED BY:</b> CHRIS M. RICE	<i>Digitally signed by <b>JACOB POWERS</b> Dec 01, 2016</i>	<b>OFFICE SYMBOL:</b> FICO	<b>DATE:</b> 11/21/2016
----------------------------------------------	---------------------------------------------------------------------	-------------------------------	----------------------------

<b>DEVELOPED BY:</b> RODNEY L. RUMSEY	RODNEY L RUMSEY <i>Digitally signed by RODNEY L RUMSEY Date: 2016.09.08 13:17:24 -05'00'</i>	<b>OFFICE SYMBOL:</b> AJV-5423	<b>DATE:</b> 06/15/2016
------------------------------------------	--------------------------------------------------------------------------------------------------	-----------------------------------	----------------------------

<b>APPROVED BY:</b> TONY LAWSON	<i>Digitally signed by <b>JACOB POWERS</b> Dec 01, 2016</i>	<b>OFFICE SYMBOL:</b> AJV-5420	<b>DATE:</b>
------------------------------------	---------------------------------------------------------------------	-----------------------------------	--------------

**REQUIRED EFFECTIVE DATE:**  
ROUTINE

**COORDINATED WITH:**

<b>A4A</b>	<b>ALPA</b>	<b>AOPA</b>	<b>APA</b>	<b>HAI</b>	<b>NBAA</b>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**  
ZME, AMGR

**CHANGES - REASONS:**  
RWY 4, 300-1 CHANGED TO STANDARD.  
RWY 22 CHANGED FROM "CLIMB RUNWAY HEADING TO 900, TURN LEFT, PROCEED DIRECT FLP VOR, THEN CLIMB ON COURSE" TO "300-1 1/4 OR STANDARD WITH MINIMUMS CLIMB OF 222 TO 900 OR ALTERNATIVELY WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1600 FEET PRIOR TO DER."  
TEXTURAL DEPARTURE PROCEDURE RWY 22 ADDED.  
CONTROLLING OBSTACLES CHANGED.



**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 HATH, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet 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
INNAM INT/FLP 2.74 DME	FLP VOR/DME	002.99 / 2.74	3000

**MAP: 6.08 NM AFTER FLP VOR/DME OR AT OXBUJ/6.08 DME FIX**

**CLIMBING LEFT TURN TO 3000 DIRECT FLP VOR/DME AND HOLD.**

ADDITIONAL FLIGHT DATA:  
**HOLD E, RT, 263.00 INBOUND.**  
**CHART FAS OBST: 1029 TOWER 361718N/0923038W**  
**CHART CIRCLING ICON.**  
**CHART KBPK IN PLANVIEW**  
**FAC CROSSES MID POINT OF RWY 04-22.**

- PT L SIDE OF COURSE 082.35 OUTBOUND 3000 FT WITHIN 10 MILES OF FLP VOR/DME (IAF)
- 
- FAC 262.35 FAF FLP VOR/DME DIST FAF TO MAP 6.08 THLD
- MIN. ALT FLP VOR/DME 2600
- MSA FROM: FLP VOR/DME 3300

MAG VAR: **3E** EPOCH YEAR: **1995**

**MINIMUMS**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			STANDARD					
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HATH/HAA	MDA	VIS	HATH/HAA	MDA	VIS	HATH/HAA	MDA	VIS	HATH/HAA	MDA	VIS	HATH/HAA
<b>CIRCLING</b>	<b>1300</b>	<b>1</b>	<b>580</b>	<b>1300</b>	<b>1</b>	<b>580</b>	<b>1360</b>	<b>1 3/4</b>	<b>640</b>		<b>NA</b>				

NOTES:  
**CHART NOTE: PROCEDURE NA AT NIGHT.**  
**CHART NOTE: CIRCLING NA NW OF RWY 4-22.**



CITY AND STATE <b>FLIPPIN, AR</b>	ELEVATION: <b>720</b> AIRPORT NAME: <b>MARION COUNTY RGNL</b>	TDZE:	FACILITY IDENTIFIER: <b>FLP</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>VOR-A, AMDT 15</b> <b>2 MARCH 2017</b>	SUP AMDT <b>14</b> DATE <b>03/12/2009</b>
--------------------------------------	---------------------------------------------------------------------	-------	------------------------------------	----------------------------------------------------------------------------------------	-------------------------------------------------

**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
SSO VORTAC	IXUHU (FB)	334.15 / 24.55	8500
WOBUG	IXUHU (FB)	270.00 / 25.71	8500
IXUHU (IAF)	HOVBO (FB)	330.77 / 17.46	7400
HOVBO (IF)	AMXUK (FB)	067.32 / 6.10	6600
AMXUK (FAF)	CUMAG/4.60 NM TO JIXEB (FB)	082.32 / 3.61	
CUMAG/4.60 NM TO JIXEB (SEE FORM 8260-10)	JIXEB (MAP) (FO)	082.35 / 4.60	

**LNAV: JIXEB**

**CLIMB TO 9000 DIRECT YITUK AND ON TRACK 141.65 TO WOBUG AND HOLD.**

**ADDITIONAL FLIGHT DATA:**  
**HOLD E, LT, 270.00 INBOUND.**  
**CHART FAS OBST: 4479 AAO 325623N/1091818W**  
**AMXUK TO RW07: 3.07/40**  
**CHART MORENCI MOA**  
**FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.**

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. **PROFILE STARTS AT HOVBO**
3. FAC: 082.32 FAF: AMXUK DIST FAF TO MAP: 8.21 THLD:
4. MIN. ALT: **HOVBO 7400, AMXUK 6600, CUMAG/4.60 NM TO JIXEB 5300**
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: **JIXEB 9600**

MAG VAR: **10E** EPOCH YEAR: **2010**

**MINIMUMS**

TAKEOFF: <u>      </u> SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N <input type="checkbox"/> A <input checked="" type="checkbox"/> X <input type="checkbox"/>														
CATEGORY <u>====&gt;</u>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>										
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
<b>CIRCLING</b>	<b>5000</b>	<b>1 1/4</b>	<b>1202</b>	<b>5000</b>	<b>1 1/2</b>	<b>1202</b>		<b>NA</b>			<b>NA</b>				

NOTES:  
 CHART NOTE: WHEN VGSINOP, CIRCLING RWY 25 NA AT NIGHT.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SSO VORTAC AIRWAY RADIALS 241 CW 061.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAFFORD ALTIMETER SETTING AND INCREASE  
 (CONTINUED ON PAGE 2)



CITY AND STATE <b>CLIFTON/MORENCI, AZ</b>	ELEVATION: <b>3798</b> TDZE: AIRPORT NAME: <b>GREENLEE COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: <b>RNAV (GPS)-A, ORIG-A</b> <b>2 MARCH 2017</b>	SUP: AMD T: <b>ORIG</b> DATED <b>02/10/2011</b>
----------------------------------------------	-------------------------------------------------------------------------	-------------------------------------	-----------------------------------------------------------------------------------------------	-------------------------------------------------------

**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.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
JIXEB (MAP)	4198 MSL	082.35	
4198 MSL	YITUK (FB)		
YITUK	WOBUG (FO)	141.65 / 24.60	9000

**NOTES, (CONT.):**

ALL MDA 140FT.  
 CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT WOBUG.  
 CHART NOTE: RWY 25 HELICOPTER VISIBILITY BELOW 1 SM NOT AUTHORIZED.



CITY AND STATE <b>CLIFTON/MORENCI, AZ</b>	ELEVATION: 3798 AIRPORT NAME: <b>GREENLEE COUNTY</b>	TDZE:	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS)-A, ORIG-A</b> 2 MARCH 2017	SUP:
					AMDT: <b>ORIG</b>
					DATED: <b>02/10/2011</b>

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

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

ARINC SUMMARY - KCFT

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
SSO	010	SSO	IF	FB										V
SSO	020	IXUHU	TF	FB	2.0	334.2						AA 08500		E A
SSO	030	HOVBO	TF	FB	1.0	330.8						AA 07400		EE B
WOBUG	010	WOBUG	IF	FB										E
WOBUG	020	IXUHU	TF	FB	2.0	270.0						AA 08500		E A
WOBUG	030	HOVBO	TF	FB	1.0	330.8						AA 07400		EE B
	010	HOVBO	IF	FB								AA 07400		E I
	020	AMXUK	TF	FB	1.0	067.3				JIXEB		AA 06600		E F
	021	CUMAG	TF	FB	0.3	082.3		3.07				AA 05300 GS 05445		E S
	030	JIXEB	TF	FO	0.3	082.4		3.07				AT 05000		EY M
	040		CA	FB		082.4						AA 04198		M
	050	YITUK	DF	FB	1.0									E
	060	WOBUG	TF	FO	1.0	141.7						AA 09000		EY
	070	WOBUG	HM	FO		270.0			L			AA 09000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
SSO	N321609.28	W1091547.12
WOBUG	N323524.04	W1085344.19
AMXUK	N325739.93	W1092329.32
CUMAG	N325731.06	W1091911.98
HOVBO	N325619.61	W1093033.70
IXUHU	N323948.87	W1092343.75
JIXEB	N325719.60	W1091344.24
YITUK	N325706.36	W1090733.79

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW07	N325722.74	W1091309.23	03722	40.0



CITY AND STATE <b>CLIFTON/MORENCI, AZ</b>	ELEVATION: <b>3798</b> <b>TDZE:</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS)-A, ORIG-A</b>  2 MARCH 2017	SUP:
	AIRPORT NAME: <b>GREENLEE COUNTY</b>			AMDT: <b>ORIG</b>
				DATED: <b>02/10/2011</b>

**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
LIN VOR/DME	CUSEX INT/I-SCK 7.30 DME	185.54 / 15.89	2600
HONEZ INT	DIJER INT/I-SCK 22.57 DME	213.24 / 10.49 (MOD R-033)	2900
MOD VOR/DME (IAF)	SIMMS INT/I-SCK 14.10 DME (NOPT)	323.00 / 8.48	2900
DIJER INT/I-SCK 22.57 DME (IAF)	SIMMS INT/I-SCK 14.10 DME (NOPT)	293.59 / 8.17 (I-SCK)	2900
SIMMS INT/I-SCK 14.10 DME (IF)	CUSEX INT/I-SCK 7.30 DME	293.59 / 6.80 (I-SCK)	1800

**ILS: DA**  
**LOC: 5.54 NM AFTER CUSEX INT/I-SCK 7.30 DME OR AT I-SCK 1.76 DME**

**CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 ON HEADING 010 AND ON MOD VOR/DME R-309 TO ORANG INT/MOD 25.84 DME AND HOLD.**

**ALTERNATE MA (DO NOT CHART): CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2900 DIRECT LIN VOR/DME AND HOLD.**

**ADDITIONAL FLIGHT DATA:**  
HOLD NW, LT, 128.78 INBOUND.  
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE LIN VOR/DME, RT, 326.00 INBOUND.  
CHART FAS OBST: 91 TREE 375234N/1211240W  
CHART VDP AT 2.60 DME\*  
DISTANCE VDP TO THLD 0.85 NM.  
\*LOC ONLY.  
CHART IN PLANVIEW: LIN VOR/DME.  
CHART CIRCLING ICON.

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD SE CUSEX, RT, 293.59 INBOUND, 1800 FT. IN LIEU OF PT (IAF)
- FAC: 293.59 FAF: CUSEX INT/I-SCK 7.30 DME DIST FAF TO MAP: 5.54 THLD: 5.54
- MIN. ALT: CUSEX 1800, WIGBI INT/I-SCK 3.16 DME 520\*
- DIST TO THLD FROM OM:        -        MM:        -        IM:        - 150 HAT:        - 100 HAT:        - GS ANT: 1233
- MIN GS INCPT: 1800 GS ALT AT: CUSEX 1800 OM:        -        MM:        -        IM:        -
- GS ANGLE: 2.90 TCH: 61.3
- MSA FROM: LIN VOR/DME 350-135 4800, 135-260 1700, 260-350 3100

MAG VAR: 14E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A	ILS: STANDARD #	LOC: STANDARD @							
CATEGORY >>>>>>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 29R	232	2400	200	232	2400	200	232	2400	200	232	2400	200				
S-LOC 29R	520	2400	488	520	2400	488	520	5000	488	520	5000	488				
CIRCLING	520	1	487	540	1	507	640	1 3/4	607	640	2	607				

**WIGBI FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)**

S-LOC 29R	360	2400	328	360	2400	328	360	2600	328	360	2600	328			
CIRCLING	500	1	467	540	1	507	640	1 3/4	607	640	2	607			

NOTES:  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 29R CAT C/D VISIBILITY TO 1 3/8 SM. # @ NA WHEN CONTROL TOWER CLOSED.  
# CAT C, D 700-2

CITY AND STATE <b>STOCKTON, CA</b>	ELEVATION: 33 TDZE: 32 AIRPORT NAME: <b>STOCKTON METROPOLITAN</b>	FACILITY IDENTIFIER: <b>I-SCK</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>ILS OR LOC RWY 29R, AMDT 21 2 MARCH 2017</b>	SUP: <b>QUALITY</b> AMDT: <b>4 20B</b> DATED <b>CHECKED 10/2016</b>
---------------------------------------	-------------------------------------------------------------------------	--------------------------------------	-----------------------------------------------------------------------------------------------	---------------------------------------------------------------------------

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.



CITY AND STATE <b>STOCKTON, CA</b>	ELEVATION: <b>33</b> AIRPORT NAME: <b>STOCKTON METROPOLITAN</b>	TDZE: <b>32</b>	FACILITY IDENTIFIER: <b>I-SCK</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>ILS OR LOC RWY 29R, AMDT 21</b> 2 MARCH 2017	SUP:
					AMDT: <b>20B</b>
					DATED: <b>11/10/2016</b>

**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: RW11L
LIN VOR/DME	HAXEK (TF) (FO) (RNP 2.00)	246.57 / 20.91	2700	CLIMB TO 2000 DIRECT OXJEF AND HOLD.
ALTAM (IAF)	LITPE (TF) (FB) (RNP 1.00)	035.91 / 9.48	5000	
LITPE	HAXEK (NOPT) (TF) (FB) (RNP 1.00)	036.12 / 9.60	2700	
Oakey (IAF)	HAXEK (NOPT) (TF) (FB) (RNP 1.00)	088.18 / 11.30	2700	
VISTO (IAF)	HAXEK (NOPT) (TF) (FB) (RNP 1.00)	125.65 / 13.94	2700	
(SEE FORM 8260-10)				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 293.71 INBOUND. CHART FAS OBST: 219 TOWER 375454N/1211714W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.18 NM TO RW11L* *LNAV ONLY. WAAS CHANNEL # 72910 REFERENCE PATH ID: W11A CHART CIRCLING ICON. LTP HAE: -23.6 M

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD NW HAXEK, RT, 113.46 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
3. FAC: 113.52 FAF: GIKTE DIST FAF TO MAP: 5.41 THLD: 5.41
4. MIN. ALT: HAXEK 2700, GIKTE 1800
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 1800 GS ALT AT: GIKTE 1800 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR
8. MSA FROM: RW11L 5100

MAG VAR: 14E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD					
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	229	3/4	200	229	3/4	200	229	3/4	200	229	3/4	200			
LNAV/VNAV DA	471	1 1/2	442	471	1 1/2	442	471	1 1/2	442	471	1 1/2	442			
LNAV MDA	480	1	451	480	1	451	480	1 3/8	451	480	1 3/8	451			
CIRCLING	500	1	467	540	1	507	640	1 3/4	607	640	2	607			

NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALTAM ON V109-244 WESTBOUND.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LINDEN VOR/DME AIRWAY RADIALS 192 CW 294.  
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).



CITY AND STATE <b>STOCKTON, CA</b>	ELEVATION: 33 TDZE: 29 AIRPORT NAME: <b>STOCKTON METROPOLITAN</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11L, AMDT 1</b> 2 MARCH 2017	SUP: AMDT: <b>ORIG</b> DATED <b>01/15/2009</b>
---------------------------------------	-------------------------------------------------------------------------	-------------------------------------	---------------------------------------------------------------------------------------------	------------------------------------------------------

**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.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
HAXEK (IF/IAF)	GIKTE (TF) (FB) (RNP 1.00)	113.46 / 6.00	1800
GIKTE (FAF)	RW11L (MAP) (TF) (FO) (RNP 0.30)	113.52 / 5.41	
RW11L (MAP)	229 MSL	113.52	
229 MSL	OXJEF (DF) (FO) (RNP 1.00)		2000



CITY AND STATE <b>STOCKTON, CA</b>	ELEVATION: 33 AIRPORT NAME: <b>STOCKTON METROPOLITAN</b>	TDZE: 29	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11L, AMDT 1</b> 2 MARCH 2017	SUP:
					AMDT: <b>ORIG</b>
					DATED: <b>01/15/2009</b>

**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	KSCK
RUNWAY	RW11L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	375402.4645N
LTP/FTP LONGITUDE	1211453.4140W
LTP/FTP ELLIPSOIDAL HEIGHT	-00236
FPAP LATITUDE	375304.2150N
FPAP LONGITUDE	1211317.9145W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 2FEA9D7A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00083
FPAP ORTHOMETRIC HEIGHT	+00083



CITY AND STATE <b>STOCKTON, CA</b>	ELEVATION: 33 TDZE: 29 AIRPORT NAME: <b>STOCKTON METROPOLITAN</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11L, AMDT 1</b> 2 MARCH 2017	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>01/15/2009</b>

**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	
MOD VOR/DME (IAF)	OXJEF (NOPT) (TF) (FB) (RNP 1.00)	322.88 / 9.30	2000	LPV: DA LNAV/VNAV: DA LNAV: RW29R
WRAPS (IAF)	OXJEF (NOPT) (TF) (FB) (RNP 1.00)	232.25 / 13.04	2000	CLIMB TO 2700 DIRECT HAXEK AND HOLD.
OXJEF (IF/IAF)	IPDEW (TF) (FB) (RNP 1.00)	293.71 / 6.00	1800	
IPDEW (FAF)	RW29R (MAP) (TF) (FO) (RNP 0.30)	293.65 / 5.39		
RW29R (MAP) 232 MSL	232 MSL HAXEK (DF) (FO) (RNP 1.00)	293.65	2700	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 113.46 INBOUND. FAS OBST: 250 AAO 375047N/1210822W 255 AAO 375007N/1210828W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.29 NM TO RW29R* *LNAV ONLY. WAAS CHANNEL # 87010 REFERENCE PATH ID: W29A CHART CIRCLING ICON. LTP HAE: -22.1 M

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD SE OXJEF, RT, 293.71 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 293.65 FAF: IPDEW DIST FAF TO MAP: 5.39 THLD: 5.39
4. MIN. ALT: OXJEF 2000, IPDEW 1800
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 1800 GS ALT AT: IPDEW 1800 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR
8. MSA FROM: RW29R 5300

MAG VAR: 14E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD					
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	232	2400	200	232	2400	200	232	2400	200	232	2400	200			
LNAV/VNAV DA	282	2400	250	282	2400	250	282	2400	250	282	2400	250			
LNAV MDA	500	2400	468	500	2400	468	500	5000	468	500	5000	468			

CIRCLING	500	1	467	540	1	507	640	1 3/4	607	640	2	607			

NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WRAPS ON V23 SOUTHEAST BOUND AND V244 EASTBOUND.  
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
 (CONTINUED ON PAGE 2)



CITY AND STATE <b>STOCKTON, CA</b>	ELEVATION: 33 TDZE: 32 AIRPORT NAME: <b>STOCKTON METROPOLITAN</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 29R, AMDT 1</b> 2 MARCH 2017	SUP: AMDT: <b>ORIG</b> DATED <b>01/15/2009</b>
---------------------------------------	-------------------------------------------------------------------------	-------------------------------------	---------------------------------------------------------------------------------------------	------------------------------------------------------

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: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV VISIBILITY ALL CATS TO RVR 4000, AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM.



CITY AND STATE <b>STOCKTON, CA</b>	ELEVATION: 33 AIRPORT NAME: <b>STOCKTON METROPOLITAN</b>	TDZE: 32	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 29R, AMDT 1</b> 2 MARCH 2017	SUP:
					AMDT: <b>ORIG</b>
					DATED: <b>01/15/2009</b>

**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	KSCK
RUNWAY	RW29R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	375310.2460N
LTP/FTP LONGITUDE	1211327.7985W
LTP/FTP ELLIPSOIDAL HEIGHT	-00221
FPAP LATITUDE	375408.4315N
FPAP LONGITUDE	1211503.2000W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 2D7A8317

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00098
FPAP ORTHOMETRIC HEIGHT	+00098



CITY AND STATE <b>STOCKTON, CA</b>	ELEVATION: 33      TDZE: 32 AIRPORT NAME: <b>STOCKTON METROPOLITAN</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 29R, AMDT 1</b> 2 MARCH 2017	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>01/15/2009</b>

**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: GRO NDB
ERTTS INT/UNZ 46.00 DME	GRO NDB	087.09 / 12.29	3100	CLIMBING RIGHT TURN TO 2000 ON HEADING 360 THEN CONTINUE CLIMBING RIGHT TURN TO 3100 DIRECT GRO NDB AND HOLD.
KAQTU/UNZ 23.00 DME	GRO NDB	030.74 / 29.09	3100	
				ADDITIONAL FLIGHT DATA: <b>HOLD E, RT, 260.00 INBOUND.</b> <b>CHART FAS OBST: 661 TREE 141022N/1451457E</b> <b>CHART 3100 PRIOR TO GRO NDB IN PROFILE.</b> <b>CHART CIRCLING ICON.</b> <b>FAC CROSSES RWY C/L EXTENDED 1788 FT FROM THLD.</b>

1. PT L SIDE OF COURSE 080.00 OUTBOUND 2000 FT WITHIN 10 MILES OF GRO NDB (IAF)  
2. \_\_\_\_\_  
3. FAC 260.00 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_  
4. MIN. ALT \_\_\_\_\_  
8. MSA FROM: **GRO NDB 2900**

MAG VAR: **2E** EPOCH YEAR: **1985**

**MINIMUMS**

TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A	STANDARD @								
CATEGORY =====>	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
<b>S-27</b>	<b>1120</b>	<b>1</b>	<b>513</b>	<b>1120</b>	<b>1</b>	<b>513</b>	<b>1120</b>	<b>1 3/8</b>	<b>513</b>	<b>1120</b>	<b>1 3/8</b>	<b>513</b>				
<b>CIRCLING</b>	<b>1120</b>	<b>1</b>	<b>513</b>	<b>1120</b>	<b>1</b>	<b>513</b>	<b>1120</b>	<b>1 1/2</b>	<b>513</b>	<b>1160</b>	<b>2</b>	<b>553</b>				

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ANDERSEN AFB ALTIMETER SETTING AND INCREASE ALL MDA 320 FT, INCREASE S-27 CAT B VISIBILITY 1/4 MILE, CAT C, D VISIBILITY 1 1/8 MILE, CIRCLING CAT A, B VISIBILITY 1/4 MILE, CAT C 1 MILE, CAT D 3/4 MILE.  
CHART NOTE: CIRCLING NA S OF RWY 09-27.

@ NA EXCEPT STANDARD FOR OPERATORS WITH APPROVED WEATHER REPORTING SERVICE.

CITY AND STATE <b>ROTA ISLAND, CQ</b>	ELEVATION: <b>607</b> TDZE: <b>607</b>	FACILITY IDENTIFIER: <b>GRO</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>NDB RWY 27, AMDT 4A</b>  <b>2 MARCH 2017</b>	SUP	<b>4</b>
	AIRPORT NAME:  <b>BENJAMIN TAISACAN MANGLONA INTL</b>			AMDT	<b>4</b>
				DATE	<b>02/06/2014</b>

QUALITY  
4  
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	
KAQTU	REWJU (FB)	062.04 / 32.79	3000	<b>LNAV: RW27</b>  <b>CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 3000 DIRECT EPCAX AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD W, RT, 106.96 INBOUND.</b> <b>CHART FAS OBST: 661 TREE 141022N/1451457E</b> <b>CHART CIRCLING ICON.</b> <b>OPBUL TO RW27: 3.00/45</b>
REWJU (IAF)	TOXPA (NOPT) (FB)	348.01 / 10.09	3000	
NUJCO (IAF)	TOXPA (NOPT) (FB)	191.33 / 18.50	3000	
TOXPA (IF/IAF)	OPBUL (FB)	269.86 / 6.50	2200	
OPBUL (FAF)	RW27 (MAP) (FO)	269.84 / 4.86	1200	
RW27 (MAP)	1200 MSL	269.84	1200	
1200 MSL	EPCAX (FO)		3000	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. **HOLD E TOXPA, RT, 269.86 INBOUND, 3000 FT. IN LIEU OF PT (IAF)**
3. FAC: 269.84 FAF: OPBUL DIST FAF TO MAP: 4.86 THLD: 4.86
4. MIN. ALT: **TOXPA 3000, OPBUL 2200**
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
7. GS ANGLE:        TCH: **34:1 IS NOT CLEAR**
8. MSA FROM: **RW27 2900**

MAG VAR: 2E EPOCH YEAR: 1985

**MINIMUMS**

TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD @					
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1020	1	413	1040	1	433	1100	1 3/8	493	1140	1 1/2	533			
CIRCLING	1020	1	413	1060	1	453	1100	1 1/2	493	1160	2	553			

NOTES:  
 CHART NOTE: CIRCLING NA SOUTH OF RWY 09-27.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ANDERSEN AFB ALTIMETER SETTING AND INCREASE ALL MDA 320 FT, INCREASE LNAV CAT B VISIBILITY 1/4 MILE, CAT C VISIBILITY 1 1/8 MILE, CAT D VISIBILITY 1 MILE, CIRCLING CAT C VISIBILITY 1 MILE CAT D VISIBILITY 3/4 MILE.  
 CHART NOTE: DME/DME RNP-0.3 NA.

@ NA EXCEPT STANDARD FOR OPERATORS WITH APPROVED WEATHER REPORTING SERVICE.

QUALITY  
4  
CHECKED

CITY AND STATE <b>ROTA ISLAND, CQ</b>	ELEVATION: 607 TDZE: 607 AIRPORT NAME: <b>BENJAMIN TAISACAN MANGLONA INTL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 27, AMDT 1A</b> 2 MARCH 2017	SUP: AMDT: <b>1</b> DATED <b>02/06/2014</b>
------------------------------------------	-------------------------------------------------------------------------------------	-------------------------------------	---------------------------------------------------------------------------------------------	---------------------------------------------------

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

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

ARINC SUMMARY - PGRO

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
KAQTU	010	KAQTU	IF	FB										E
KAQTU	020	REWJU	TF	FB	2.0	062.0						AA 03000		E A
KAQTU	030	TOXPA	TF	FB	1.0	348.0						AA 03000		EE B
NUJCO	010	NUJCO	IF	FB										E A
NUJCO	020	TOXPA	TF	FB	1.0	191.3						AA 03000		EE B
TOXPA	010	TOXPA	HF	FO		269.9			R			AA 03000		EE A
	010	TOXPA	IF	FB								AA 03000		E I
	020	OPBUL	TF	FB	1.0	269.9				RW27		AA 02200		E F
	030	RW27	TF	FO	0.3	269.8		3.00				AT 00652		GY M
	040		CA	FB		269.8						AA 01200		M
	050	EPCAX	DF	FO					R			AA 03000		EY
	060	EPCAX	HM	FO		107.0			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
KAQTU	N134542.94	E1445813.25
NUJCO	N142809.50	E1453108.26
EPCAX	N141345.33	E1450315.23
OPBUL	N141017.23	E1452003.63
REWJU	N140006.02	E1452832.96
TOXPA	N141004.63	E1452644.86

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW27	N141026.58	E1451503.61	00607	45.0



CITY AND STATE <b>ROTA ISLAND, CQ</b>	ELEVATION: <b>607</b> TDZE: <b>607</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 27, AMDT 1A</b>	SUP:
	AIRPORT NAME: <b>BENJAMIN TAISACAN MANGLONA INT</b>		<b>2 MARCH 2017</b>	AMDT: <b>1</b>
				DATED: <b>02/06/2014</b>

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37

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

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
MACON, GA	MACON DOWNTOWN	2 MARCH 2017	8

**TAKEOFF MINIMUMS:**

RWY 10, 28: STANDARD.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 10: CLIMB HEADING 102.02 TO 1000 BEFORE PROCEEDING ON COURSE.

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 10: TREES BEGINNING 89 FT FROM DER, 387 FT RIGHT OF CENTERLINE, UP TO 460 FT MSL. TREE 214 FT FROM DER, 393 FT RIGHT OF CENTERLINE, 466 FT MSL. TREES BEGINNING 262 FT FROM DER, 346 FT RIGHT OF CENTERLINE, UP TO 472 FT MSL. TREES BEGINNING 358 FT FROM DER, 28 FT RIGHT OF CENTERLINE, UP TO 486 FT MSL. TREE 3509 FT FROM DER, 398 FT RIGHT OF CENTERLINE, 504 FT MSL. TREE 4002 FT FROM DER, 529 FT RIGHT OF CENTERLINE, 514 FT MSL. TREE 4003 FT FROM DER, 255 FT RIGHT OF CENTERLINE, 519 FT MSL. TREE 4119 FT FROM DER, 568 FT LEFT OF CENTERLINE, 521 FT MSL. TREE 4260 FT FROM DER, 298 FT LEFT OF CENTERLINE, 527 FT MSL. TREE 4454 FT FROM DER, 424 FT LEFT OF CENTERLINE, 533 FT MSL. TREE 4484 FT FROM DER, 125 FT LEFT OF CENTERLINE, 535 FT MSL. TREES BEGINNING 4888 FT FROM DER, 205 FT LEFT OF CENTERLINE, UP TO 549 FT MSL. TREE 5047 FT FROM DER, 4 FT LEFT OF CENTERLINE, 557 FT MSL.

NOTE: RWY 28: TREES BEGINNING 133 FT FROM DER, 279 FT LEFT OF CENTERLINE, UP TO 443 FT MSL. TREES BEGINNING 402 FT FROM DER, 35 FT LEFT OF CENTERLINE, UP TO 445 FT MSL. TREES BEGINNING 864 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 453 FT MSL.

**CONTROLLING OBSTACLES:**

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT:

RWY 10: 923 FT MSL TOWER 325017.00N-0833107.00W.



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37**

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

<b>CITY, STATE</b> MACON, GA	<b>AIRPORT</b> MACON DOWNTOWN	<b>EFFECTIVE DATE</b> 2 MARCH 2017	<b>AMDT NO</b> 8
---------------------------------	----------------------------------	---------------------------------------	---------------------

**REMARKS:**

**FLIGHT INSPECTED BY:**

BLAKE SEARLES Digitally signed by  
JACOB POWERS  
Nov 28, 2016

**OFFICE SYMBOL:**

FICO

**DATE:**

11/14/2016

**DEVELOPED BY:**

CHRIS O'BRIEN

CHRISTOPHER P O'BRIEN Digitally signed by CHRISTOPHER P O'BRIEN  
Date: 2016.10.11 12:21:11 -05'00'

**OFFICE SYMBOL:**

AJV-5432

**DATE:**

10/11/2016

**APPROVED BY:**

LONNIE EVERHART Digitally signed by  
JACOB POWERS  
Nov 28, 2016

**OFFICE SYMBOL:**

AJV-5430

**DATE:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

<b>A4A</b>	<b>ALPA</b>	<b>AOPA</b>	<b>APA</b>	<b>HAI</b>	<b>NBAA</b>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**

ZTL, A-80, AMGR

**CHANGES - REASONS:**

1. REMOVED ALL REFERENCE TO RWY 15/33 - RWY 15/33 PERMANENTLY CLOSED.
2. REMOVED RWY 15 CLIMB GRADIENT APPROVAL LTR REMARK - RWY 15/33 PERMANENTLY CLOSED.



**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: N A

CATEGORY =====>

MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS

NOTES:

PROCEDURE CANCELED EFFECTIVE 2 MARCH 2017



CITY AND STATE  
CLARINDA, IA

ELEVATION: 996 TDZE:  
 AIRPORT NAME:  
 SCHENCK FIELD

FACILITY IDENTIFIER:  
ICL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
NDB-A, AMDT 5B, 06/30/2011

SUP  
 AMDT 5A  
 DATE 08/03/2006

**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
PXV VORTAC (IAF)	HUGMU INT/I-DSO 9.26 DME	097.61 / 5.28	2000
ARLUV INT/I-DSO 13.02 DME (IAF)	HUGMU INT/I-DSO 9.26 DME	041.09 / 3.76 (I-DSO)	2000
HUGMU INT/I-DSO 9.26 DME (IF)	WIDIT INT/I-DSO 4.75 DME	041.09 / 4.50 (I-DSO)	2000

**ILS: DA**  
**LOC: 4.93 NM AFTER WIDIT INT/I-DSO 4.75 DME OR AT I-DSO 0.18 DME FIX**

**CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2500 DIRECT PXV VORTAC AND HOLD .**

**ALTERNATE MA (DO NOT CHART): CLIMB TO 2500 THEN CLIMBING RIGHT TURN TO 3000 DIRECT OWB VOR/DME AND HOLD.**

**ADDITIONAL FLIGHT DATA:**  
HOLD SW, RT, 057.00 INBOUND.  
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE OWB VOR/DME, LT, 310.00 INBOUND.  
CHART FAS OBST: 569 TREE 380100N/0873327W  
CHART 622 BLDG 375937N/0873433W.  
CHART: ASR.  
CHART VDP AT 1.05 DME\*  
DISTANCE VDP TO THLD 1.22 NM.  
\*LOC ONLY.  
CHART IN PLANVIEW: OWB VOR/DME.  
CHART CIRCLING ICON.  
CHART IN PROFILE VIEW: I-DSO DME ANTENNA.

MAG VAR: 3W                      EPOCH YEAR: 2015

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. PROFILE STARTS AT HUGMU
3. FAC: 041.09 FAF: WIDIT INT/I-DSO 4.75 DME DIST FAF TO MAP: 4.93 THLD: 4.93
4. MIN. ALT: HUGMU 2000, WIDIT 2000, KECEG INT/I-DSO 1.93 DME 1180\*
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT: 904
6. MIN GS INCPT: 2000 GS ALT AT: WIDIT 2000 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 48.8
8. MSA FROM: PXV VORTAC 2500

**MINIMUMS**

TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>	ALTERNATE: <u>NA</u>	ILS: # <u>      </u>	LOC: <u>STANDARD @</u>												
CATEGORY <u>=====</u>	<b>A</b>		<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>			
	DH/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 04	589	3/4	200	589	3/4	200	589	3/4	200	589	3/4	200			
S-LOC 04	1180	1	791	1180	1 1/4	791	1180	2 1/2	791	1180	2 1/2	791			
CIRCLING	1180	1	758	1180	1 1/4	758	1180	2 1/2	758	1180	2 1/2	758			

**KECEG FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)**

S-LOC 04	820	1	431	820	1	431	820	1 1/4	431	820	1 1/4	431			
CIRCLING	920	1	498	1040	1	618	1040	1 3/4	618	1040	2	618			

NOTES:  
CHART NOTE: CIRCLING RWY 9 NA AT NIGHT.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PXV VORTAC AIRWAY RADIALS 043 CW 081.

#@ NA WHEN CONTROL TOWER CLOSED.  
# CAT A, B 800-2, CAT C, D 800-2 1/2  
@ CAT C, D 800-2 1/2

(CONTINUED ON PAGE 2)



CITY AND STATE <b>EVANSVILLE, IN</b>	ELEVATION: <b>422</b> TDZE: <b>389</b> AIRPORT NAME: <b>EVANSVILLE RGNL</b>	FACILITY IDENTIFIER: <b>I-DSO</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>ILS OR LOC RWY 4, AMDT 4</b> <b>2 MARCH 2017</b>	SUP: AMDT: <b>3A</b> DATED <b>10/13/2016</b>
-----------------------------------------	-----------------------------------------------------------------------------------	--------------------------------------	--------------------------------------------------------------------------------------------------	----------------------------------------------------

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 IN PLANVIEW ONLY: PXV 5.28 DME AT HUGMU.



CITY AND STATE <b>EVANSVILLE, IN</b>	ELEVATION: 422      TDZE: 389 AIRPORT NAME: <b>EVANSVILLE RGNL</b>	FACILITY IDENTIFIER: <b>I-DSO</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>ILS OR LOC RWY 4, AMDT 4</b> 2 MARCH 2017	SUP:
				AMDT: <b>3A</b>
				DATED: <b>10/13/2016</b>

**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
PXV VORTAC	CUYAR INT/I-EVV 7.86 DME	048.43 / 20.09	2500
AUGUS INT/I-EVV 21.48 DME (IAF)	JISEV INT/I-EVV 14.06 DME (NOPT)	221.10 / 7.42 (I-EVV)	2500
JISEV INT/I-EVV 14.06 DME (IF)	CUYAR INT/I-EVV 7.86 DME	221.10 / 6.20 (I-EVV)	2500

**ILS: DA**  
**LOC: 6.37 NM AFTER CUYAR INT/I-EVV 7.86 DME OR AT I-EVV 1.49 DME FIX**

**CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2500 DIRECT PXV VORTAC AND HOLD.**

**ALTERNATE MA (DO NOT CHART): CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 3000 DIRECT OWB VOR/DME AND HOLD.**

**ADDITIONAL FLIGHT DATA:**  
HOLD SW, RT, 057.00 INBOUND.  
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE OWB VOR/DME, LT, 310.00 INBOUND.  
CHART FAS OBST: 606 TOWER 380429N/0873001W  
CHART VDP AT 2.70 DME\*  
DISTANCE VDP TO THLD 1.21 NM.  
\*LOC ONLY.  
CHART IN PLANVIEW ONLY PXV VORTAC 20.09 DME AT CUYAR.  
CHART CIRCLING ICON.  
CHART ASR.  
CHART IN PLANVIEW: OWB VOR/DME.

MAG VAR: 3W                      EPOCH YEAR: 2015

- PT L SIDE OF COURSE 041.10 OUTBOUND 2500 FT WITHIN 10 MILES OF CUYAR (IAF)
- 
- FAC: 221.10 FAF: CUYAR INT/I-EVV 7.86 DME DIST FAF TO MAP: 6.37 THLD: 6.37
- MIN. ALT: CUYAR 2500, ZAGAK/I-EVV 3.49 DME 1080\*
- DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1054
- MIN GS INCPT: 2500 GS ALT AT: CUYAR 2500 OM: - MM: - IM: -
- GS ANGLE: 3.00 TCH: 50.2
- MSA FROM: PXV VORTAC 2500

**MINIMUMS**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: #	LOC: STANDARD @												
CATEGORY >>>>>	A		B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 22**	622	2400	200	622	2400	200	622	2400	200	622	2400	200			
S-LOC 22	1080	2400	658	1080	2400	658	1080	1 3/8	658	1080	1 3/8	658			
CIRCLING	1080	1	658	1080	1	658	1080	1 7/8	658	1080	2	658			

**ZAGAK FIX MINIMUMS (DME REQUIRED)**

S-LOC 22	860	2400	438	860	2400	438	860	4000	438	860	4000	438			
CIRCLING	920	1	498	1040	1	618	1040	1 3/4	618	1040	2	618			

NOTES:  
CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PXV VORTAC AIRWAY RADIALS 013 CW 081.  
CHART NOTE: CIRCLING RWY 09 NA AT NIGHT.

#, @ NA WHEN CONTROL TOWER CLOSED.  
# CAT A, B, C, D 700-2



CITY AND STATE EVANSVILLE, IN	ELEVATION: 422      TDZE: 422 AIRPORT NAME: EVANSVILLE RGNL	FACILITY IDENTIFIER: I-EVV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 22, AMDT 23 2 MARCH 2017	SUP: AMDT: 22A DATED 10/13/2016
----------------------------------	-------------------------------------------------------------------	-------------------------------	--------------------------------------------------------------------------------------	---------------------------------------

**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	
KOYGE (IF/IAF)	BULLG (TF) (FB) (RNP 1.00)	034.67 / 7.37	2400	LPV: DA LNAV/VNAV: DA LNAV: RW03
BULLG (FAF)	RW03 (MAP) (TF) (FO) (RNP 0.30)	034.72 / 4.13		
RW03 (MAP)	1203 MSL	034.72		CLIMB TO 4000 DIRECT OYANE AND ON TRACK 106.42 TO GAMKE AND HOLD, CONTINUE CLIMB IN HOLD TO 4000.
1203 MSL	OYANE (DF) (FB) (RNP 1.00)			
OYANE	GAMKE (TF) (FO) (RNP 1.00)	106.42 / 8.96	4000	ADDITIONAL FLIGHT DATA: HOLD SW, RT, 058.37 INBOUND. CHART FAS OBST: 967 POWER POLE 384416N/0852828W FAS OBST: 1019 AAO 384137N/0852934W CHART R3403 A/B. DISTANCE TO THLD FROM 391 HAT: 0.95 NM. CHART VDP AT 1.21 NM TO RW03* *LNAV ONLY. WAAS CHANNEL # 45708 REFERENCE PATH ID: W03A LTP HAE: 212.2 M

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD SW KOYGE, RT, 034.67 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
3. FAC: 034.72 FAF: BULLG DIST FAF TO MAP: 4.13 THLD: 4.13
4. MIN. ALT: KOYGE 2700, BULLG 2400
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 2400 GS ALT AT: BULLG 2400 OM:        MM:        IM:
7. GS ANGLE: 3.50 TCH: 42.0 34:1 IS NOT CLEAR
8. MSA FROM: RW03 3600

MAG VAR: **3W** EPOCH YEAR: **1995**

**MINIMUMS**

TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>	ALTERNATE: N A <input checked="" type="checkbox"/>														
CATEGORY <u>=====</u> >	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>										
	DH/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 1/4	391	1203	1 1/4	391	1203	1 1/4	391		NA				
LNAV/VNAV DA	1321	1 1/2	509	1321	1 1/2	509	1321	1 1/2	509		NA				
LNAV MDA	1300	1	488	1300	1	488	1300	1 1/4	488		NA				
CIRCLING	1340	1	521	1340	1	521	1340	1 1/2	521		NA				

NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 45C (113F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING BOWMAN FIELD ALTIMETER SETTING.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BOWMAN FIELD ALTIMETER SETTING AND  
 (CONTINUED ON PAGE 2)



CITY AND STATE <b>MADISON, IN</b>	ELEVATION: <b>819</b> TDZE: <b>812</b> AIRPORT NAME: <b>MADISON MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 3, AMDT 1C</b> <b>2 MARCH 2017</b>	SUP: AMDT: <b>1B</b> DATED <b>05/29/2014</b>
--------------------------------------	--------------------------------------------------------------------------------	-------------------------------------	---------------------------------------------------------------------------------------------------	----------------------------------------------------

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.):**  
**INCREASE ALL DA 115 FEET, ALL MDA 120 FEET, AND INCREASE LPV CATS A/B/C VISIBILITY 1/4 SM, LNAV/VNAV CATS A/B/C VISIBILITY 1/2 SM, LNAV CAT C VISIBILITY 1/2 SM AND CIRCLING CAT C VISIBILITY 1/4 SM.**  
**CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.**  
**CHART NOTE: CIRCLING RWY 21 NA AT NIGHT.**  
**CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV AND LNAV/VNAV ALL CATS.**  
**CHART NOTE: WHEN USING BOWMAN FIELD ALTIMETER SETTING, INOPERATIVE TABLE DOES NOT APPLY.**  
**CHART PLANVIEW NOTE: RADAR REQUIRED.**



CITY AND STATE <b>MADISON, IN</b>	ELEVATION: 819 TDZE: 812 AIRPORT NAME: <b>MADISON MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 3, AMDT 1C</b> 2 MARCH 2017	SUP:
				AMDT: <b>1B</b>
				DATED: <b>05/29/2014</b>

**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	KIMS
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	384514.6430N
LTP/FTP LONGITUDE	0852809.5190W
LTP/FTP ELLIPSOIDAL HEIGHT	+02122
FPAP LATITUDE	384630.4800N
FPAP LONGITUDE	0852709.5700W
THRESHOLD CROSSING HEIGHT (TCH)	00042.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER C25CEE0D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02460
FPAP ORTHOMETRIC HEIGHT	+02460



CITY AND STATE <b>MADISON, IN</b>	<b>ELEVATION: 819</b>	<b>TDZE: 812</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 3, AMDT 1C</b>  2 MARCH 2017	SUP:
	AIRPORT NAME: <b>MADISON MUNI</b>				AMDT: <b>1B</b>
					DATED: <b>05/29/2014</b>

**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.



CITY AND STATE <b>MADISON, IN</b>	ELEVATION: <b>819</b> TDZE: <b>812</b> AIRPORT NAME: <b>MADISON MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 3, AMDT 1C</b> 2 MARCH 2017	SUP:
				AMDT: <b>1B</b>
				DATED: <b>05/29/2014</b>

**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: N A

CATEGORY =====>	MDA		VIS		MDA		VIS		MDA		VIS		MDA		VIS	

NOTES:  
  
 PROCEDURE CANCELED EFFECTIVE 2 MARCH 2017

CITY AND STATE  
**FORT SCOTT, KS**

ELEVATION: **918** TDZE: **914**  
 AIRPORT NAME:  
**FORT SCOTT MUNI**

FACILITY IDENTIFIER:  
**FSK**

PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:  
**NDB RWY 18, AMDT 12, 10/25/2007**

SUP NDB OR GPS RWY  
**18**  
 AMDT **11A**  
 DATE **01/22/2002**



**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 HATH, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet 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 =====>	MDA		VIS		MDA		VIS		MDA		VIS		MDA		VIS	

NOTES:  
  
**PROCEDURE CANCELED EFFECTIVE 2 MARCH 2017**

CITY AND STATE <b>LARNED, KS</b>	ELEVATION: 2011 AIRPORT NAME:  <b>LARNED-PAWNEE COUNTY</b>	THRE: 2007	FACILITY IDENTIFIER: <b>LQR</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>NDB RWY 17, AMDT 4A, 09/18/2014</b>	SUP	<b>4</b>
					AMDT	<b>4</b>
					DATE	<b>05/05/2011</b>

QUALITY  
4  
CHECKED

**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
CNG VOR/DME (IAF)	IJUFO/CNG 7.90 DME	136.70 / 7.90	2100
IJUFO/CNG 7.90 DME (IF)	KLANN/CNG 14.00 DME	136.70 / 6.10 (CNG R-137)	2100

**MAP: MADLT/CNG 18.48 DME**

**CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2300 ON CNG VOR/DME R-137 TO IUJFO/7.90 DME AND HOLD.**

ADDITIONAL FLIGHT DATA:  
**HOLD NW, RT, 136.70 INBOUND.**  
**CHART FAS OBST: 700 TOWER 364626N/0883640W**  
**FAC CROSSES MIDPOINT OF RWY 18 - 36.**

- PT \_\_\_\_\_ SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- PROFILE STARTS AT IUJFO/CNG 7.90 DME
- FAC 136.70 FAF KLANN/CNG 14.00 DME DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_
- MIN. ALT IJUFO 2100, KLANN 2100
- MSA FROM: **CNG VOR/DME 3000**

MAG VAR: **3E** EPOCH YEAR: **1975**

**MINIMUMS**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A <input checked="" type="checkbox"/>								
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
<b>CIRCLING</b>	<b>1060</b>	<b>1</b>	<b>538</b>	<b>1060</b>	<b>1</b>	<b>538</b>	<b>1060</b>	<b>1 1/2</b>	<b>538</b>	<b>1080</b>	<b>2</b>	<b>558</b>			

NOTES:  
**CHART NOTE: CIRCLING TO RWY 1 NA AT NIGHT.**  
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PADUCAH ALTIMETER SETTING AND INCREASE ALL MDA 80 FT AND CAT C VISIBILITY 1/4 MILE.**  
**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CNG VOR/DME ON V67 NORTHWEST BOUND.**

CITY AND STATE <b>MAYFIELD, KY</b>	ELEVATION: <b>522</b> AIRPORT NAME:  <b>MAYFIELD GRAVES COUNTY</b>	TDZE:	FACILITY IDENTIFIER: <b>CNG</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>VOR/DME-A, AMDT 8A</b>  <b>2 MARCH 2017</b>	SUP	<b>4</b>
					AMDT	<b>8</b>
					DATE	<b>06/03/2010</b>

QUALITY  
4  
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	MISSED APPROACH	
LVT VOR/DME	UCASO (TF) (FO) (RNP 2.00)	270.23 / 30.96	4000	<b>LNAV: RW04</b>  CLIMB TO 4000 DIRECT CAVAS AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NE, RT, 218.55 INBOUND. CHART FAS OBST: 1178 TREE 364247N/0853907W CHART 1238 TWR 364154N/0854106W CHART CIRCLING ICON CHART GLASGOW AWOS-3	
GARVY (IAF)	UCASO (NOPT) (TF) (FB) (RNP 1.00)	109.32 / 22.54	4000		
HARME (IAF)	UCASO (NOPT) (TF) (FB) (RNP 1.00)	045.00 / 17.45	4000		
UCASO (IF/IAF)	AHUCA (TF) (FB) (RNP 1.00)	038.40 / 7.90	2600		
AHUCA (FAF)	UNTOW/1.80 NM TO RW04 (TF) (FB) (RNP 0.30)	038.43 / 3.07			
(SEE FORM 8260-10)					

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD SW UCASO, RT, 038.40 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
- FAC: 038.43 FAF: AHUCA DIST FAF TO MAP: 4.87 THLD: 4.87
- MIN. ALT: UCASO 4000, AHUCA 2600, UNTOW/1.80 NM TO RW04 1640
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW04 3100

MAG VAR: **4W** EPOCH YEAR: **2010**

**MINIMUMS**

TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>	ALTERNATE: N <input type="checkbox"/> A <input checked="" type="checkbox"/> X <input type="checkbox"/>														
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1540	1	506	1540	1	506	1540	1 3/8	506		NA				
CIRCLING	1640	1	604	1800	1	764	1840	2 1/4	804		NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.  
 CHART NOTE: NIGHT LANDING: RWY 4 NA.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON LVT VOR/DME AIRWAY RADIALS 228 CW 350.  
 (CONTINUED ON PAGE 2)



CITY AND STATE <b>TOMPKINSVILLE KY</b>	ELEVATION: 1036 TDZE: 1034 AIRPORT NAME: <b>TOMPKINSVILLE-MONROE COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 4, AMDT 1C 2 MARCH 2017</b>	SUP: AMDT: <b>1B</b> DATED <b>03/31/2016</b>
-------------------------------------------	-----------------------------------------------------------------------------------	-------------------------------------	---------------------------------------------------------------------------------------------	----------------------------------------------------

**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
UNTOW/1.80 NM TO RW04	RW04 (MAP) (TF) (FO) (RNP 0.30)	038.43 / 1.80	
RW04 (MAP)	1436 MSL	038.43	
1436 MSL	CAVAS (DF) (FO) (RNP 1.00)		4000

**NOTES, (CONT.):**

CHART NOTE: USE GLASGOW ALTIMETER SETTING.  
 CHART PROFILE NOTE: VISUAL SEGMENT-OBSTACLES.



CITY AND STATE TOMPKINSVILLE KY	ELEVATION: 1036	TDZE: 1034	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4 AMDT 1C 2 MARCH 2017	SUP:
	AIRPORT NAME: TOMPKINSVILLE-MONROE COUNTY				AMDT: 1B
					DATED: 03/31/2016

**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:

MAG VAR: \_\_\_\_\_ EPOCH YEAR: \_\_\_\_\_

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: \_\_\_\_\_

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A																		
CATEGORY =====>																			
	MDA	VIS		MDA	VIS		MDA	VIS		MDA	VIS		MDA	VIS					

NOTES:

PROCEDURE CANCELED EFFECTIVE 2 MARCH 2017



CITY AND STATE <b>VIVIAN, LA</b>	ELEVATION: 260 TDZE: 260 AIRPORT NAME: <b>VIVIAN</b>	FACILITY IDENTIFIER: <b>VIV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>NDB RWY 9, AMDT 2B, 10/15/2015</b>	SUP AMDT <b>2A</b> DATE <b>05/07/2009</b>
-------------------------------------	------------------------------------------------------------	------------------------------------	---------------------------------------------------------------------------------	-------------------------------------------------

**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: 4.50 NM AFTER FAML I OM/RADAR
UN SUN INT (IAF)	PETKE/RADAR	050.00 / 2.49 (HDG) & 095.61 / 8.84 (I-CPQ)	2500	CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 2700 ON HEADING 070 AND ON FNT VORTAC R-257 TO ERRYS INT AND HOLD.
PETKE/RADAR (IF)	FAML I OM/RADAR	095.61 / 6.10 (I-CPQ)	2400	
				ADDITIONAL FLIGHT DATA: HOLD E, RT, 256.70 INBOUND. FAS OBST: 1080 AAO 424626N/0844132W CHART: ASR CHART (CFBZN) AT INTERSECTION OF UNSUN DR LEG AND INTERMEDIATE COURSE. CHART CIRCLING ICON

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. PROFILE STARTS AT PETKE
3. FAC: 095.61 FAF: FAML I OM DIST FAF TO MAP: 4.50 THLD: 4.50
4. MIN. ALT: PETKE 2500, FAML I OM 2400
5. DIST TO THLD FROM OM: 4.50 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1158
6. MIN GS INCPT: 2400 GS ALT AT: - OM: 2367 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 56.1
8. MSA FROM: LAN VORTAC 070-290 3000, 290-070 2500

MAG VAR: 5W EPOCH YEAR: 1985

**MINIMUMS**

TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A	ILS: STANDARD #	LOC: STANDARD @							
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 10R**	1061	2400	200	1061	2400	200	1061	2400	200	1061	2400	200				
S-LOC 10R	1340	2400	479	1340	2400	479	1340	5000	479	1340	5000	479				
CIRCLING	1380	1	519	1380	1	519	1600	2	739	1760	3	899				

NOTES:  
CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT UNSUN ON V510 WESTBOUND.  
CHART PLANVIEW NOTE: RADAR REQUIRED.  
CHART NOTE: NIGHT LANDING: RWY 10L, 28R NA.

# CAT C 800-2, CAT D 900-3  
@ CAT D 900-3



CITY AND STATE <b>LANSING, MI</b>	ELEVATION: 861 TDZE: 861 AIRPORT NAME: <b>CAPITAL REGION INTL</b>	FACILITY IDENTIFIER: <b>I-CPQ</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>ILS OR LOC RWY 10R, AMDT 11A 2 MARCH 2017</b>	SUP: AMDT: <b>11</b> DATED <b>11/13/2014</b>
--------------------------------------	-------------------------------------------------------------------------	--------------------------------------	------------------------------------------------------------------------------------------------	----------------------------------------------------

**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: 4.71 NM AFTER BURYE/I-LAN 6.29 DME/RADAR OR AT I-LAN 1.59 DME FIX
QUBEE INT (IAF)	WIGSA/I-LAN 12.70 DME/RADAR	321.00 / 5.30 (HDG) & 275.63 / 4.85 (I-LAN)	2500	CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 3000 ON VIO VOR/DME R-100 TO UNSUN/VIO 18.53 DME AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD W, RT, 100.44 INBOUND. FAS OBST: 1050 AAO 424617N/0842836W CHART VDP AT 2.84 DME* DISTANCE VDP TO THLD 1.25 NM. *LOC ONLY. CHART (CFCJM) AT INTERSECTION OF QUBEE DR LEG AND INTERMEDIATE COURSE. CHART CIRCLING ICON. CHART: ASR
WIGSA/I-LAN 12.70 DME/RADAR (IF)	BURYE/I-LAN 6.29 DME/RADAR	275.63 / 6.41 (I-LAN)	2400	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT WIGSA/I-LAN 12.70 DME/RADAR
- FAC: 275.63 FAF: BURYE/I-LAN 6.29 DME/RADAR DIST FAF TO MAP: 4.71 THLD: 4.71
- MIN. ALT: WIGSA 2500, BURYE 2400
- DIST TO THLD FROM OM:        -        MM:        -        IM:        - 150 HAT:        - 100 HAT:        - GS ANT: 947
- MIN GS INCPT: 2400 GS ALT AT: BURYE 2400 OM:        -        MM:        -        IM:        -
- GS ANGLE: 3.00 TCH: 53.1
- MSA FROM: LAN VORTAC 070-290 3000, 290-070 2500

MAG VAR: 5W EPOCH YEAR: 1985

**MINIMUMS**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: STANDARD #	LOC: STANDARD @												
CATEGORY =====>	A		B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 28L**	1052	2400	200	1052	2400	200	1052	2400	200	1052	2400	200			
S-LOC 28L	1300	2400	448	1300	2400	448	1300	4500	448	1300	4500	448			
CIRCLING	1380	1	519	1380	1	519	1600	2	739	1760	3	899			

NOTES:  
 CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.  
 CHART NOTE: DME REQUIRED.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT QUBEE ON V103 EASTBOUND.  
 CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.  
 CHART NOTE: NIGHT LANDING: RWY 10L, 28R NA.

# CAT C 800-2, CAT D 900-3  
@ CAT D 900-3



CITY AND STATE LANSING, MI	ELEVATION: 861 TDZE: 852 AIRPORT NAME: CAPITAL REGION INTL	FACILITY IDENTIFIER: I-LAN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 28L, AMDT 27B 2 MARCH 2017	SUP: AMDT: 27A DATED 07/21/2016
-------------------------------	------------------------------------------------------------------	-------------------------------	----------------------------------------------------------------------------------------	---------------------------------------

**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
DUEAS	BORYE (FB)	322.15 / 15.50	3000
FAM VORTAC	LEBOH (FB)	080.20 / 9.48	3000
BORYE (IAF)	ACDIV (NOPT) (FB)	287.27 / 5.00	3000
LEBOH (IAF)	ACDIV (NOPT) (FB)	107.15 / 5.00	3000
ACDIV (IF/IAF)	DEGVY (FB)	017.21 / 6.10	2200
DEGVY (FAF)	JAVOV/2.60 NM TO RW02 (FB)	017.24 / 2.93	
(SEE FORM 8260-10)			

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW02

CLIMB TO 3000 DIRECT ENGYN AND HOLD.

ADDITIONAL FLIGHT DATA:  
HOLD N, RT, 197.30 INBOUND.  
CHART FAS OBST: 714 TREE 374954N/0895236W  
DISTANCE TO THLD FROM 753 HAT: 2.23 NM.  
CHART VDP AT 1.77 NM TO RW02\*  
\*LNAV ONLY.  
WAAS CHANNEL # 93618  
REFERENCE PATH ID: W02A  
LTP HAE: 82.9 M

MAG VAR: 0E EPOCH YEAR: 2000

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD S ACDIV, RT, 017.21 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 017.24 FAF: DEGVY DIST FAF TO MAP: 5.53 THLD: 5.53
4. MIN. ALT: ACDIV 3000, DEGVY 2200, JAVOV/2.60 NM TO RW02 1240\*
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 2200 GS ALT AT: DEGVY 2200 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM: RW02 2600

**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	1123	3	753	1123	3	753	1123	3	753	1123	3	753			
LNAV/VNAV DA	1186	3	816	1186	3	816	1186	3	816	1186	3	816			
LNAV MDA	980	1	610	980	1	610	980	1 3/4	610	980	1 3/4	610			
CIRCLING	980	1	608	980	1	608	1000	1 3/4	628	1100	2 1/4	728			

NOTES:  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ CAT D 800-2 1/4  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART NOTE: RWY 2 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT DUEAS ON V125 SOUTHBOUND AND FOR ARRIVAL AT FAM VORTAC ON AIRWAY RADIALS 047 CW 129.



CITY AND STATE PERRYVILLE, MO	ELEVATION: 372 TDZE: 370 AIRPORT NAME: PERRYVILLE RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG-A 2 MARCH 2017	SUP: AMD T: ORIG DATED 07/29/2010
----------------------------------	--------------------------------------------------------------	------------------------------	-------------------------------------------------------------------------------------	-----------------------------------------

**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, (CONT.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
JAVOV/2.60 NM TO RW02	RW02 (MAP) (FO)	017.24 / 2.60	
RW02 (MAP)	772 MSL	017.24	
772 MSL	ENGYN (FO)		3000

QUALITY  
23  
CHECKED

CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: 372      TDZE: 370 AIRPORT NAME: <b>PERRYVILLE RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 2, ORIG-A</b> 2 MARCH 2017	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>07/29/2010</b>

**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	KPCD
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	375139.0550N
LTP/FTP LONGITUDE	0895154.7295W
LTP/FTP ELLIPSOIDAL HEIGHT	+00829
FPAP LATITUDE	375304.2375N
FPAP LONGITUDE	0895121.3355W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0776
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 6CB38F5A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+01123
FPAP ORTHOMETRIC HEIGHT	+01123

QUALITY  
23  
CHECKED

CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: 372 TDZE: 370 AIRPORT NAME: <b>PERRYVILLE RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 2, ORIG-A</b> 2 MARCH 2017	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>07/29/2010</b>

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

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

ARINC SUMMARY - KPCD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ACDIV	010	ACDIV	HF	FO		017.2			R			AA 03000		EE A
DUEAS	010	DUEAS	IF	FB										E
DUEAS	020	BORYE	TF	FB	2.0	322.2						AA 03000		E A
DUEAS	030	ACDIV	TF	FB	1.0	287.3						AA 03000		EE B
FAM	010	FAM	IF	FB										V
FAM	020	LEBOH	TF	FB	2.0	080.2						AA 03000		E A
FAM	030	ACDIV	TF	FB	1.0	107.2						AA 03000		EE B
	010	ACDIV	IF	FB								AA 03000		E I
	020	DEGVY	TF	FB	1.0	017.2				RW02		AA 02200		E F
	021	JAVOV	TF	FB	0.3	017.2		3.00				AA 01240 GS 01254		E S
	030	RW02	TF	FO	0.3	017.2		3.00				AT 00414		GY M
	040		CA	FB		017.2						AA 00772		M
	050	ENGYN	DF	FO	1.0							AA 03000		EY
	060	ENGYN	HM	FO		197.3			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FAM	N374024.46	W0901402.61
DUEAS	N372648.30	W0893815.91
ACDIV	N374032.08	W0895615.42
BORYE	N373903.06	W0895014.58
DEGVY	N374622.10	W0895358.79
ENGYN	N380341.56	W0894710.84
JAVOV	N374909.91	W0895253.15
LEBOH	N374200.79	W0900216.50

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW02	N375139.06	W0895154.73	00369	45.0

QUALITY  
23  
CHECKED

CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: <b>372</b> TDZE: <b>370</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 2, ORIG-A</b>  2 MARCH 2017	SUP:
	AIRPORT NAME: <b>PERRYVILLE RGNL</b>			AMDT: <b>ORIG</b>
				DATED: <b>07/29/2010</b>

**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
SUMAN	OFILO (FB)	224.71 / 12.96	3000
BURCK	FETPA (FB)	149.75 / 14.42	3000
OFILO (IAF)	ENGYN (NOPT) (FB)	287.36 / 5.00	3000
FETPA (IAF)	ENGYN (NOPT) (FB)	107.24 / 5.00	3000
ENGYN (IF/IAF)	AGCOV (FB)	197.30 / 6.01	2200
AGCOV (FAF)	HUCRI/2.60 NM TO RW20 (FB)	197.28 / 2.92	
(SEE FORM 8260-10)			

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW20

CLIMB TO 3000 DIRECT ACDIV AND HOLD.

ADDITIONAL FLIGHT DATA:  
HOLD S, RT, 017.21 INBOUND.  
CHART FAS OBST: 792 ANT 375415N/0894943W  
DISTANCE TO THLD FROM 250 HAT: 0.65 NM.  
CHART VDP AT 1.77 NM TO RW20\*  
\*LNAV ONLY.  
WAAS CHANNEL # 53418  
REFERENCE PATH ID: W20A  
LTP HAE: 83.4 M

MAG VAR: 0E EPOCH YEAR: 2000

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD N ENGYN, RT, 197.30 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 197.28 FAF: AGCOV DIST FAF TO MAP: 5.52 THLD: 5.52
4. MIN. ALT: ENGYN 3000, AGCOV 2200, HUCRI/2.60 NM TO RW20 1240\*
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 2200 GS ALT AT: AGCOV 2200 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM: RW20 2600

**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	622	1	250	622	1	250	622	1	250	622	1	250			
LNAV/VNAV DA	697	1 1/8	325	697	1 1/8	325	697	1 1/8	325	697	1 1/8	325			
LNAV MDA	980	1	608	980	1	608	980	1 3/4	608	980	1 3/4	608			
CIRCLING	980	1	608	980	1	608	1000	1 3/4	628	1100	2 1/4	728			

NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ CAT D 800-2 1/4  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SUMAN ON V72 NORTHEAST BOUND AND AT BURCK ON V125 NORTHWEST BOUND.  
 CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.



CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: 372 TDZE: 372 AIRPORT NAME: <b>PERRYVILLE RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 20, ORIG-A</b> 2 MARCH 2017	SUP: AMDT: <b>ORIG</b> DATED <b>07/29/2010</b>
-----------------------------------------	---------------------------------------------------------------------	-------------------------------------	--------------------------------------------------------------------------------------------	------------------------------------------------------

**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.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
HUCRI/2.60 NM TO RW20	RW20 (MAP) (FO)	197.28 / 2.60	
RW20 (MAP)	622 MSL	197.28	
622 MSL	ACDIV (FO)		3000



CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: 372 TDZE: 372 AIRPORT NAME: <b>PERRYVILLE RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 20, ORIG-A</b> 2 MARCH 2017	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>07/29/2010</b>

**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	KPCD
RUNWAY	RW20
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	375240.2545N
LTP/FTP LONGITUDE	0895130.7445W
LTP/FTP ELLIPSOIDAL HEIGHT	+00834
FPAP LATITUDE	375115.0700N
FPAP LONGITUDE	0895204.1265W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

**CRC REMAINDER** 5B6E9B51

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+01128
FPAP ORTHOMETRIC HEIGHT	+01128

QUALITY  
23  
CHECKED

CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: 372 TDZE: 372 AIRPORT NAME: <b>PERRYVILLE RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 20, ORIG-A</b> 2 MARCH 2017	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>07/29/2010</b>

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

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

ARINC SUMMARY - KPCD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
BURCK	010	BURCK	IF	FB										E
BURCK	020	FETPA	TF	FB	2.0	149.8						AA 03000		E A
BURCK	030	ENGYN	TF	FB	1.0	107.2						AA 03000		EE B
ENGYN	010	ENGYN	HF	FO		197.3			R			AA 03000		EE A
SUMAN	010	SUMAN	IF	FB										E
SUMAN	020	OFILO	TF	FB	2.0	224.7						AA 03000		E A
SUMAN	030	ENGYN	TF	FB	1.0	287.4						AA 03000		EE B
	010	ENGYN	IF	FB								AA 03000		E I
	020	AGCOV	TF	FB	1.0	197.3				RW20		AA 02200		E F
	021	HUCRI	TF	FB	0.3	197.3		3.00				AA 01240 GS 01256		E S
	030	RW20	TF	FO	0.3	197.3		3.00				AT 00415		GY M
	040		CA	FB		197.3						AA 00622		M
	050	ACDIV	DF	FO	1.0							AA 03000		EY
	060	ACDIV	HM	FO		017.2			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BURCK	N381739.19	W0900225.56
SUMAN	N381125.98	W0892935.83
ACDIV	N374032.08	W0895615.42
AGCOV	N375756.88	W0894926.47
ENGYN	N380341.56	W0894710.84
FETPA	N380510.72	W0895313.64
HUCRI	N375509.39	W0895032.25
OFILO	N380212.09	W0894108.29

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW20	N375240.25	W0895130.74	00370	45.0

QUALITY  
23  
CHECKED

CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: <b>372</b> TDZE: <b>372</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>PERRYVILLE RGNL</b>		<b>RNAV (GPS) RWY 20, ORIG-A</b>	AMDT: <b>ORIG</b>
			<b>2 MARCH 2017</b>	DATED: <b>07/29/2010</b>

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37**

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

<b>CITY, STATE</b>	<b>AIRPORT</b>	<b>EFFECTIVE DATE</b>	<b>AMDT NO</b>
PERRYVILLE, MO	PERRYVILLE RGNL	2 MARCH 2017	ORIG-A

**TAKEOFF MINIMUMS:**

RWY 2, 400-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 215 FT PER NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1800 FEET PRIOR TO DER.  
RWY 20, 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 800.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 2: CLIMB HEADING 017.26 TO 1200 BEFORE PROCEEDING ON COURSE.  
RWY 20, CLIMB HEADING 197.26 TO 900 BEFORE TURNING LEFT.

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 2, VEHICLES ON ROAD BEGINNING 2 FT FROM DER, 478 FT RIGHT OF CENTERLINE, UP TO 384 FT MSL. TREE 324 FT FROM DER, 458 FT LEFT OF CENTERLINE, 379 FT MSL. TREE 2 NM FROM DER, 2562 FT RIGHT OF CENTERLINE, 713 FT MSL.

NOTE: RWY 20, VEHICLES ON ROAD BEGINNING 483 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/386 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 354 FT RIGHT OF CENTERLINE, UP TO 628 FT MSL. TREE 1.3 NM FROM DER, 1880 FT LEFT OF CENTERLINE, 594 FT MSL. TREES BEGINNING 1.5 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 680 FT MSL. TREES BEGINNING 1.6 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 684 FT MSL. TREE 1.7 NM FROM DER, 16 FT RIGHT OF CENTERLINE, 714 FT MSL. TREE 1.8 NM FROM DER, 2922 FT LEFT OF CENTERLINE, 670 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 2: 1090 FT MSL TOWER 375711.00N/0895237.00W (CLIMB-TO ALTITUDE), 713 FT MSL TREE 375432.69N/0895013.19W (CLIMB GRADIENT), 714 FT MSL TREE 375436.89N/0895009.16W (CEILING/VISIBILITY)  
RWY 20: 714 FT MSL TREE 374953.87N/0895236.15W (CEILING), 777 FT MSL TANK 374922.92N/0895126.49W (CLIMB-TO ALTITUDE), 628 FT MSL TREE 375033.15N/0895244.62W (CLIMB GRADIENT), 670 FT MSL TREE 374941.77N/0895202.53W (VISIBILITY)

**OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:**

RWY 2: 1090 FT MSL TOWER 375711.00N/0895237.00W  
RWY 20: 777 FT MSL TANK 374922.92N/0895126.49W

**REMARKS:**

**FLIGHT INSPECTED BY:**

SCOTT WIEBE

*Digitally signed by*  
**STEVEN A VARGAS**  
Dec 02, 2016

**OFFICE SYMBOL:**

FICO

**DATE:**

11/07/2016

**DEVELOPED BY:**

BRIAN J BICKETT

**BRIAN J BICKETT**  
Digitally signed by BRIAN J BICKETT  
DN: c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=BRIAN J BICKETT  
Date: 2016.08.23 17:43:55 -0500

**OFFICE SYMBOL:**

AJV-5421

**DATE:**

08/23/2016

**APPROVED BY:**

TONY LAWSON

*Digitally signed by*  
**STEVEN A VARGAS**  
Dec 02, 2016

**OFFICE SYMBOL:**

AJV-5420

**DATE:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

<b>A4A</b>	<b>ALPA</b>	<b>AOPA</b>	<b>APA</b>	<b>HAI</b>	<b>NBAA</b>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**

ZKC ARTCC, MO ST AERON COMM, APT MGR

**CHANGES - REASONS:**

- AIRPORT NAME CHANGED FROM "PERRYVILLE MUNI" TO "PERRYVILLE RGNL" - MISSOURI DEPARTMENT OF TRANSPORTATION REQUEST.
- CHANGED RWY 2, 20 TAKEOFF OBSTACLE NOTES - UPDATED PROCEDURE EVALUATION.
- ADDED (CEILING), (VISIBILITY), (CLIMB GRADIENT) AND (CLIMB-TO ALTITUDE) TO RWY 2, 20 CONTROLLING OBSTACLES AND ADDED OBSTACLES MANDATING ODP ROUTE DEVELOPMENT - PER 8260.46F DOCUMENTATION CRITERIA.



**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
MOGYU/FAM 7.00 DME CCW (IAF)	ORJIG/FAM 7.00 DME	7.00 DME ARC	3000
MOJOB/FAM 7.00 DME CW (IAF)	ORJIG/FAM 7.00 DME	7.00 DME ARC	3000
FAM VORTAC (IAF)	ORJIG/FAM 7.00 DME	055.62 / 7.00	3000
ORJIG/FAM 7.00 DME (IF)	OZORA/FAM 15.00 DME	055.62 / 8.00 (FAM R-056)	2400

**MAP: MACEP/FAM 20.77 DME**

**CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2400 ON FAM VORTAC R-056 TO OZORA/FAM 15.00 DME AND HOLD.**

ADDITIONAL FLIGHT DATA:  
**HOLD SW, LT, 055.62 INBOUND.**  
**CHART FAS OBST: 719 WTR TNK 374952N/0895117W**  
**CHART FAM R-166 AT MOGYU.**  
**CHART FAM R-350 AT MOJOB.**  
**FAC CROSSES MID POINT OF RWY 2-20.**

- PT \_\_\_\_\_ SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- PROFILE STARTS AT FAM VORTAC
- FAC 055.62 FAF OZORA/FAM 15.00 DME DIST FAF TO MAP 5.77 THLD \_\_\_\_\_
- MIN. ALT FAM VORTAC 3000, ORJIG 3000, OZORA 2400, MASZU/FAM 18.50 DME 1240
- MSA FROM: **FAM VORTAC 3300**

MAG VAR: **1E** 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	
<b>CIRCLING</b>	<b>1040</b>	<b>1</b>	<b>668</b>	<b>1040</b>	<b>1</b>	<b>668</b>	<b>1040</b>	<b>1 3/4</b>	<b>668</b>	<b>1100</b>	<b>2 1/4</b>	<b>728</b>				

NOTES:

**CHART NOTE: DME REQUIRED.** @ CAT D 800-2 1/4

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT FAM VORTAC ON AIRWAY RADIALS 012 CW 114.**



CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: <b>372</b> TDZE:	FACILITY IDENTIFIER: <b>FAM</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>VOR-A, AMDT 5A</b> <b>2 MARCH 2017</b>	SUP <b>VOR/DME-A</b>
	AIRPORT NAME: <b>PERRYVILLE RGNL</b>			AMDT <b>5</b>
				DATE <b>07/29/2010</b>

**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: SBX NDB		
CTB VOR/DME	SBX NDB	077.11 / 19.22	6000	CLIMBING RIGHT TURN TO 5500 IN SBX NDB HOLDING PATTERN.		
BRADZ INT	SBX NDB	358.46 / 23.57	6000			
				ADDITIONAL FLIGHT DATA: <b>HOLD NE, RT, 212.50 INBOUND.</b> <b>CHART CIRCLING ICON</b> <b>CHART FAS OBST: 3809 AAO 484120N/1114433W</b> <b>CHART CUT BANK ASOS</b> <b>FAC CROSSES RWY C/L EXTENDED 3002 FT FROM THLD.</b>		

1. PT L SIDE OF COURSE 032.50 OUTBOUND 5500 FT WITHIN 10 MILES OF SBX NDB (IAF)  
 2. \_\_\_\_\_  
 3. FAC 212.50 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_  
 4. MIN. ALT \_\_\_\_\_  
 8. MSA FROM: **SBX NDB 080-170 5700, 170-260 6200, 260-350 5700, 350-080 8200**

MAG VAR: 15E EPOCH YEAR: 2005

**MINIMUMS**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N	A	X												
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-23	4240	1	797	4240	1 1/4	797	4240	2 1/4	797		NA				
CIRCLING	4240	1	797	4240	1 1/4	797	4240	2 1/4	797		NA				

NOTES:  
 CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
 CHART NOTE: USE CUT BANK ALTIMETER SETTING; WHEN NOT RECEIVED, USE GREAT FALLS ALTIMETER SETTING AND INCREASE ALL MDA'S 120 FEET.  
 CHART NOTE: STRAIGHT-IN RWY 23 NA AT NIGHT, CIRCLING RWY 23 NA AT NIGHT.



CITY AND STATE <b>SHELBY, MT</b>	ELEVATION: 3443 TDZE: 3443 AIRPORT NAME: <b>SHELBY</b>	FACILITY IDENTIFIER: <b>SBX</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>NDB RWY 23, AMDT 7A</b> 2 MARCH 2017	SUP AMDT <b>7</b> DATE <b>03/15/2007</b>
-------------------------------------	--------------------------------------------------------------	------------------------------------	--------------------------------------------------------------------------------------	------------------------------------------------

**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
BRADZ	DOTVE (TF) (FB) (RNP 2.00)	325.31 / 11.01	9000
PENRY	DOTVE (TF) (FB) (RNP 2.00)	007.17 / 16.20	9000
WEBVO	CAVBU (TF) (FO) (RNP 2.00)	241.94 / 28.79	9000
DOTVE	CAVBU (TF) (FO) (RNP 2.00)	325.24 / 7.70	9000
CTB VOR/DME (SEE FORM 8260-10)	CAVBU (TF) (FO) (RNP 2.00)	117.17 / 10.05	9000

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW05

CLIMB TO 9000 DIRECT YENUP AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9000.

ADDITIONAL FLIGHT DATA:  
HOLD NE, RT, 230.19 INBOUND.  
CHART FAS OBST: 3428 RD 483217N/1115248W  
3859 AAO 482912N/1115933W  
DISTANCE TO THLD FROM 306 HAT: 0.82 NM.  
WAAS CHANNEL # 69630  
REFERENCE PATH ID: W05A  
CHART CUT BANK ASOS  
CHART CIRCLING ICON  
LTP HAE: 1027.2 M

MAG VAR: 15E      EPOCH YEAR: 2005

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD SW CAVBU, RT, 049.75 INBOUND, 7000 FT. IN LIEU OF PT (IAF)
- FAC: 049.87 FAF: IXIPE DIST FAF TO MAP: 5.14 THLD: 5.14
- MIN. ALT: CAVBU 7000, IXIPE 5100, UZOHU/2.70 NM TO RW05 4300\*
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 5100 GS ALT AT: IXIPE 5100 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR
- MSA FROM: RW05 8200

**MINIMUMS**

TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>	ALTERNATE: N A <input type="checkbox"/> X <input checked="" type="checkbox"/>														
CATEGORY >>>>>	A			B			C			D			E		
	DH/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	3733	1	306	3733	1	306	3733	1	306	3733	1	306			
LNAV/VNAV DA	3783	1 1/8	356	3783	1 1/8	356	3783	1 1/8	356	3783	1 1/8	356			
LNAV MDA	3800	1	373	3800	1	373	3800	1 1/8	373	3800	1 1/8	373			
CIRCLING	4020	1	577	4080	1	637	4100	1 3/4	657	4220	2 1/2	777			

NOTES:  
CHART NOTE: NIGHT LANDING: RWY 23 NA.  
CHART NOTE: BARO-VNAV NA.  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
(CONTINUED ON PAGE 2)



CITY AND STATE <b>SHELBY, MT</b>	ELEVATION: 3443      TDZE: 3427 AIRPORT NAME: <b>SHELBY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 5, ORIG-B</b> 2 MARCH 2017	SUP: AMD T: <b>ORIG-A</b> DATED <b>05/29/2014</b>
-------------------------------------	-------------------------------------------------------------------	-------------------------------------	--------------------------------------------------------------------------------------------	---------------------------------------------------------

**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.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
CAVBU (IF/IAF)	IXIPE (TF) (FB) (RNP 1.00)	049.75 / 7.00	5100
IXIPE (FAF)	UZOHU/2.70 NM TO RW05 (TF) (FB) (RNP 0.30)	049.87 / 2.44	
UZOHU/2.70 NM TO RW05	RW05 (MAP) (TF) (FO) (RNP 0.30)	049.87 / 2.70	
RW05 (MAP)	3733 MSL	049.87	
3733 MSL	YENUP (DF) (FO) (RNP 1.00)		9000

**NOTES, (CONT.):**

\*LNAV ONLY

**CHART NOTE: USE CUT BANK ALTIMETER SETTING, IF NOT RECEIVED USE GREAT FALLS ALTIMETER SETTING AND INCREASE ALL DA 81 FEET AND ALL MDA 100 FT; INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS VISIBILITY 5/8 MILE, LNAV CATS C/D, AND CIRC CAT C/D VISIBILITIES 1/4 MILE.**



CITY AND STATE <b>SHELBY, MT</b>	ELEVATION: 3443 AIRPORT NAME: <b>SHELBY</b>	TDZE: 3427	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 5, ORIG-B</b> 2 MARCH 2017	SUP:
					AMDT: <b>ORIG-A</b>
					DATED: <b>05/29/2014</b>

**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	KSBX
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	483218.0685N
LTP/FTP LONGITUDE	1115253.1370W
LTP/FTP ELLIPSOIDAL HEIGHT	+10272
FPAP LATITUDE	483255.7400N
FPAP LONGITUDE	1115051.6400W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 0537BF92

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+10418
FPAP ORTHOMETRIC HEIGHT	+10418



CITY AND STATE <b>SHELBY, MT</b>	ELEVATION: 3443 TDZE: 3427 AIRPORT NAME: <b>SHELBY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 5, ORIG-B</b> 2 MARCH 2017	SUP:
				AMDT: <b>ORIG-A</b>
				DATED: <b>05/29/2014</b>

**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
BRADZ	YENUP (TF) (FO) (RNP 2.00)	015.56 / 33.05	9000
CTB VOR/DME	YENUP (TF) (FO) (RNP 2.00)	067.17 / 30.79	9000
WEBVO	YENUP (TF) (FO) (RNP 2.00)	295.62 / 6.40	9000
YENUP (IF/IAF)	JIKBO (TF) (FB) (RNP 1.00)	230.19 / 7.50	5100
JIKBO (FAF)	ZIRTA/1.80 NM TO RW23 (TF) (FB) (RNP 0.30)	230.07 / 3.26	
(SEE FORM 8260-10)			

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW23

CLIMB TO 4300 THEN CLIMBING RIGHT TURN TO 9000 DIRECT YENUP AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9000.

ADDITIONAL FLIGHT DATA:  
CHART FAS OBST: 3546 POLE 483308N/1115110W  
DISTANCE TO THLD FROM 356 HAT: 0.97 NM.  
WAAS CHANNEL # 78026  
REFERENCE PATH ID: W23A  
CHART CIRCLING ICON  
CHART: CUT BANK ASOS  
LTP HAE: 1034.7 M

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD NE YENUP, RT, 230.19 INBOUND, 7000 FT. IN LIEU OF PT (IAF)
- FAC: 230.07 FAF: JIKBO DIST FAF TO MAP: 5.06 THLD: 5.06
- MIN. ALT: **YENUP 7000, JIKBO 5100, ZIRTA/1.80 NM TO RW23 4060\***
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 5100 GS ALT AT: JIKBO 5100 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
- MSA FROM: **RW23 8200**

MAG VAR: 15E EPOCH YEAR: 2005

**MINIMUMS**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A X														
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3799	1 1/8	356	3799	1 1/8	356	3799	1 1/8	356	3799	1 1/8	356			
LNAV/VNAV DA	3813	1 1/4	370	3813	1 1/4	370	3813	1 1/4	370	3813	1 1/4	370			
LNAV MDA	3920	1	477	3920	1	477	3920	1 3/8	477	3920	1 3/8	477			
CIRCLING	4020	1	577	4080	1	637	4100	1 3/4	657	4220	2 1/2	777			

NOTES:  
CHART NOTE: BARO-VNAV NA.  
CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
(CONTINUED ON PAGE 2)



CITY AND STATE SHELBY, MT	ELEVATION: 3443 TDZE: 3443 AIRPORT NAME: SHELBY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 2B 2 MARCH 2017	SUP: AMDT: 2A DATED 05/29/2014
------------------------------	-------------------------------------------------------	------------------------------	--------------------------------------------------------------------------------------	--------------------------------------

**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.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
ZIRTA/1.80 NM TO RW23	RW23 (MAP) (TF) (FO) (RNP 0.30)	230.07 / 1.80	
RW23 (MAP)	4300 MSL	230.07	4300
4300 MSL	YENUP (DF) (FO) (RNP 1.00)		9000

**NOTES, (CONT.):**

\*LNAV ONLY

CHART NOTE: USE CUT BANK ALTIMETER SETTING, IF NOT RECEIVED USE GREAT FALLS ALTIMETER SETTING AND INCREASE ALL DA 81 FEET AND ALL MDA 100 FT; INCREASE LPV ALL CATS VISIBILITY 3/8 MILE, LNAV/VNAV ALL CATS, LNAV CATS C/D, CIRC CATS C/D VISIBILITIES 1/4 MILE.

CHART NOTE: STRAIGHT-IN RWY 23 NA AT NIGHT, CIRCLING RWY 23 NA AT NIGHT.



CITY AND STATE <b>SHELBY, MT</b>	ELEVATION: 3443 AIRPORT NAME: <b>SHELBY</b>	TDZE: 3443	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 23, AMDT 2B</b>  2 MARCH 2017	SUP:
					AMDT: <b>2A</b>
					DATED: <b>05/29/2014</b>

**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	KSBX
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	483238.9580N
LTP/FTP LONGITUDE	1115145.7655W
LTP/FTP ELLIPSOIDAL HEIGHT	+10347
FPAP LATITUDE	483201.2800N
FPAP LONGITUDE	1115347.2500W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 362320F2

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+10494
FPAP ORTHOMETRIC HEIGHT	+10494



CITY AND STATE <b>SHELBY, MT</b>	ELEVATION: 3443 AIRPORT NAME: <b>SHELBY</b>	TDZE: 3443	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 23, AMDT 2B</b> 2 MARCH 2017	SUP:
					AMDT: <b>2A</b>
					DATED: <b>05/29/2014</b>

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.
OMAHA, NE	EPPLEY AIRFIELD	2 MARCH 2017	6

**TAKEOFF MINIMUMS:**

RWY 14R, 18, 32L, 32R, 36, STANDARD.

RWY 14L, 300-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 270 FT PER NM TO 1400.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 14L, 14R: CLIMB HEADING 139.39 TO 1700 BEFORE PROCEEDING ON COURSE.

RWY 18: CLIMB HEADING 175.21 TO 1900 BEFORE TURNING RIGHT.

RWY 32L, 32R: CLIMB HEADING 319.40 TO 2300 BEFORE TURNING LEFT.

RWY 36: CLIMB HEADING 355.21 TO 1900 BEFORE TURNING LEFT.

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 14L,** UTILITY POINT 22 FT FROM DER, 481 FT RIGHT OF CENTERLINE, 8 FT AGL/986 FT MSL. TREES BEGINNING 3578 FT FROM DER, 115 FT LEFT OF CENTERLINE, UP TO 107 FT AGL/1096 FT MSL. TREES 1.4 NM FROM DER, 2732 FT LEFT OF CENTERLINE, UP TO 47 FT AGL/1268 FT MSL. TREES 1.9 NM FROM DER, 2519 FT LEFT OF CENTERLINE, UP TO 105 FT AGL/1284 FT MSL.

**NOTE: RWY 14R,** TREES 3972 FT FROM DER, 1315 FT LEFT OF CENTERLINE, UP TO 99 FT AGL/1088 FT MSL.

**NOTE: RWY 18,** SIGN 38 FT FROM DER, 270 FT RIGHT OF CENTERLINE, 4 FT AGL/980 FT MSL. POLE 887 FT FROM DER, 702 FT RIGHT OF CENTERLINE, 23 FT AGL/1002 FT MSL. TREES BEGINNING 3953 FT FROM DER, 120 FT LEFT OF CENTERLINE, UP TO 102 FT AGL/1087 FT MSL. TREES BEGINNING 4286 FT FROM DER, 140 FT RIGHT OF CENTERLINE, UP TO 108 FT AGL/1090 FT MSL. BRIDGE AND POLES ON BRIDGE BEGINNING 4549 FT FROM DER, 852 FT LEFT OF CENTERLINE, UP TO 149 FT AGL/1114 FT MSL.

**NOTE: RWY 32L,** LIGHT POLE AND VEHICLES ON ROAD BEGINNING 969 FT FROM DER, 659 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/1018 FT MSL. TREES BEGINNING 2414 FT FROM DER, 1087 FT LEFT OF CENTERLINE, UP TO 83 FT AGL/1064 FT MSL. TREES 2706 FT FROM DER, 1098 FT RIGHT OF CENTERLINE, UP TO 75 FT AGL/1054 FT MSL.

**NOTE: RWY 32R,** APPROACH LIGHT 1 FT FROM DER, ON CENTERLINE, 1 FT AGL/984 FT MSL. APPROACH LIGHT 10 FT FROM DER, 55 FT RIGHT OF CENTERLINE, 5 FT AGL/985 FT MSL. APPROACH LIGHT 10 FT FROM DER, 55 FT LEFT OF CENTERLINE, 5 FT AGL/985 FT MSL. UTILITY 169 FT FROM DER, 456 FT LEFT OF CENTERLINE, 10 FT AGL/990 FT MSL. POLE 1145 FT FROM DER, 790 FT RIGHT OF CENTERLINE, 28 FT AGL/1017 FT MSL. TREES BEGINNING 2216 FT FROM DER, 767 FT RIGHT OF CENTERLINE, UP TO 76 FT AGL/1065 FT MSL. TREES BEGINNING 3022 FT FROM DER, 955 FT RIGHT OF CENTERLINE, UP TO 109 FT AGL/1091 FT MSL.

**NOTE: RWY 36,** APPROACH LIGHT 456 FT FROM DER, 1 FT LEFT OF CENTERLINE, 11 FT AGL/993 FT MSL. LIGHT POLE AND VEHICLES ON ROAD BEGINNING 938 FT FROM DER, 317 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/1015 FT MSL. LIGHT POLE 1339 FT FROM DER, 760 FT LEFT OF CENTERLINE, 38 FT AGL/1018 FT MSL. TREES BEGINNING 2730 FT FROM DER, 1014 FT RIGHT OF CENTERLINE, UP TO 101 FT AGL/1082 FT MSL. TREES BEGINNING 3288 FT FROM DER, 1197 FT LEFT OF CENTERLINE, UP TO 79 FT AGL/1068 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 14L** – 1268 FT MSL TREE 411648.56N/0955123.40W (CLIMB GRADIENT, CLIMB-TO ALTITUDE). 1284 FT MSL TREES 411620.84N/0955100.53W (CEILING, VISIBILITY).

**OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:**

**RWY 14L, 14R, 18, 32L, 32R, 36** – 2548 FT MSL TOWER 411825.00N/0960138.00W.



**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.
OMAHA, NE	EPPLEY AIRFIELD	2 MARCH 2017	6

**REMARKS:**

RWY 14L CLIMB GRADIENT ROUNDED UP TO 270 FT PER NM FOR PUBLICATION (COMPUTED VALUE 264 FT PER NM).

**FLIGHT INSPECTED BY:**

ZACK SMYER *Digitally signed by DANIEL D OLSON* FICO 12/01/2016  
Dec 06, 2016

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**DEVELOPED BY:**

PETER GUIMOND *Digitally signed by PETER R GUIMOND* AJV-5413 07/14/2015  
Jul 14, 2015

**APPROVED BY:**

GEORGE GONZALEZ AJV-5420 *Digitally signed by DANIEL D OLSON*  
Dec 06, 2016

**COORDINATED WITH:**

ATA, ALPA, APA, AOPA, NBAA, ZMP, OMA APP CON, OMA ATCT, AMGR.

**CHANGES:**

1. AMENDED RWY 14L TAKEOFF MINIMUMS FROM STANDARD TO 300-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 270 FT PER NM TO 1400.
2. AMENDED RWY 14L AND RWY 14R TEXTUAL DEPARTURE CLIMB TO ALTITUDE FROM 2600 TO 1700.
3. ADDED CONTROLLING OBSTACLES FOR RWY 14 CLIMB GRADIENT AND CEILING/VIS.
4. ADDED OBSTACLES MANDATING ODP ROUTE DEVELOPMENT FOR ALL RUNWAYS.
5. AMENDED TAKEOFF OBSTACLE NOTES FOR ALL RUNWAYS.
6. AMENDED RWY 18 AND RWY 36 TEXTUAL DEPARTURE CLIMB TO ALTITUDE FROM 2600 TO 1900.
7. AMENDED RWY 32L AND RWY 32R TEXTUAL DEPARTURE CLIMB TO ALTITUDE FROM 2600 TO 2300.

**REASONS:**

1. NEW OBSTACLE STUDY USING UPDATED AIRPORT OBSTACLE SURVEY.
2. NEW OBSTACLE STUDY.
3. NEW OBSTACLE STUDY. FORMATTED IN ACCORDANCE WITH CURRENT DOCUMENTATION POLICY.
4. IN ACCORDANCE WITH CURRENT DOCUMENTATION POLICY.
5. GROUPED AND FORMATTED IN ACCORDANCE WITH CURRENT DOCUMENTATION POLICY.
6. NEW OBSTACLE STUDY.
7. NEW OBSTACLE STUDY.



**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
LEB VOR/DME	CNH NDB	215.08 / 19.77	5000
CON VOR/DME	CNH NDB	299.70 / 36.00	5000

**MAP: CNH NDB**

**CLIMBING LEFT TURN TO 3500 VIA CNH NDB 228 BEARING OUTBOUND THEN RIGHT TURN DIRECT CNH NDB AND HOLD.**

ADDITIONAL FLIGHT DATA:  
**HOLD SW, RT, 044.00 INBOUND.**  
**CHART FAS OBST: 1119 TREES 432023N/0722554W**  
**CHART 3291 TOWER (46-0022) 432616N/0722703W.**

- PT L SIDE OF COURSE 228.00 OUTBOUND 2800 FT WITHIN 10 MILES OF CNH NDB @ (IAF)
- @ MAINTAIN 3500 OR ABOVE UNTIL ESTABLISHED OUTBOUND FOR PT.
- FAC 048.00 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_
- MIN. ALT EVBAC/LEB 22.00 DME 2040\* \*2060 WHEN USING SPRINGFIELD ALTIMETER SETTING
- MSA FROM: CNH NDB 090-270 4000, 270-090 5300

MAG VAR: **16W** EPOCH YEAR: **1995**

**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
<b>CIRCLING</b>	<b>2040</b>	<b>1 1/4</b>	<b>1496</b>	<b>2040</b>	<b>1 1/2</b>	<b>1496</b>		<b>NA</b>			<b>NA</b>				

**EVBAC DME MINIMUMS**

<b>CIRCLING</b>	<b>1520</b>	<b>1 1/4</b>	<b>976</b>	<b>1600</b>	<b>1 1/2</b>	<b>1056</b>		<b>NA</b>			<b>NA</b>				
-----------------	-------------	--------------	------------	-------------	--------------	-------------	--	-----------	--	--	-----------	--	--	--	--

NOTES:  
**CHART NOTE: PROCEDURE NA AT NIGHT.**  
**OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE SPRINGFIELD ALTIMETER SETTING AND INCREASE ALL MDA 20 FT.**

CITY AND STATE <b>CLAREMONT, NH</b>	ELEVATION: <b>544</b> AIRPORT NAME: <b>CLAREMONT MUNI</b>	TDZE:	FACILITY IDENTIFIER: <b>CNH</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>NDB-A, AMDT 1B</b> <b>2 MARCH 2017</b>	SUP AMDT DATE	<b>4</b> <b>1A</b> <b>03/31/2016</b>
----------------------------------------	-----------------------------------------------------------------	-------	------------------------------------	----------------------------------------------------------------------------------------	---------------------	--------------------------------------------

QUALITY  
4  
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
CON VOR/DME	TUMAE (TF) (FB) (RNP 2.00)	213.42 / 14.55	3800
TUMAE (IAF)	MUGGY (NOPT) (TF) (FB) (RNP 1.00)	228.61 / 6.59	3800
MUGGY (IF/IAF)	LODTI (TF) (FB) (RNP 1.00)	138.55 / 4.67	2500
LODTI	NORIY (TF) (FB) (RNP 1.00)	138.59 / 3.20	1600
NORIY (FAF)	HESKO/2.40 NM TO RW14 (TF) (FB) (RNP 0.30)	138.64 / 1.85	
(SEE FORM 8260-10)			

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW14

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2000 DIRECT PELAN AND HOLD.

ADDITIONAL FLIGHT DATA:  
HOLD E, RT, 266.83 INBOUND.  
CHART FAS OBST: 439 TREE 424740N/0713055W  
922 AAO 424815N / 0713748W.  
DISTANCE TO THLD FROM 200 HAT: 0.48 NM.  
CHART VDP AT 1.43 NM TO RW14\*  
\*LNAV ONLY.  
WAAS CHANNEL # 97730  
REFERENCE PATH ID: W14A  
CHART CIRCLING ICON.  
LTP HAE: 33.5 M

MAG VAR: 16W      EPOCH YEAR: 1995

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD NW MUGGY, LT, 138.55 INBOUND, 3800 FT. IN LIEU OF PT (IAF)
3. FAC: 138.64 FAF: NORIY DIST FAF TO MAP: 4.25 THLD: 4.25
4. MIN. ALT: MUGGY 3800, LODTI 2500, NORIY 1600, HESKO/2.40 NM TO RW14 1000\*
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 1600 GS ALT AT: NORIY 1600 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 47.0 34:1 IS CLEAR
8. MSA FROM: RW14 4400

**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	400	1/2	200	400	1/2	200	400	1/2	200	400	1/2	200			
LNAV/VNAV DA	620	1	420	620	1	420	620	1	420	620	1	420			
LNAV MDA	700	1/2	500	700	1/2	500	700	1	500	700	1	500			
CIRCLING	820	1	620	840	1	640	900	2	700	1000	2 1/2	800			

NOTES:  
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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CON VOR/DME AIRWAY RADIALS 172 CW 246.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MANCHESTER ALTIMETER SETTING: INCREASE  
(CONTINUED ON PAGE 2)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
@ CAT D 800-2 1/2

QUALITY  
16  
CHECKED

CITY AND STATE <b>NASHUA, NH</b>	ELEVATION: 200      TDZE: 200 AIRPORT NAME: <b>BOIRE FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 14, AMDT 1C</b> 2 MARCH 2017	SUP: AMDT: <b>1B</b> DATED <b>04/28/2016</b>
-------------------------------------	----------------------------------------------------------------------	-------------------------------------	---------------------------------------------------------------------------------------------	----------------------------------------------------

**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
HESKO/2.40 NM TO RW14	RW14 (MAP) (TF) (FO) (RNP 0.30)	138.64 / 2.40	
RW14 (MAP)	800 MSL	138.64	800
800 MSL	PELAN (DF) (FO) (RNP 1.00)		2000

**NOTES, (CONT.):**

LPV ALL CATS DA TO 432 FEET, LNAV/VNAV ALL CATS DA TO 652 FEET AND LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE; INCREASE ALL MDA 40 FEET AND CIRCLING CAT D VISIBILITY 1/4 MILE.  
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MANCHESTER ALTIMETER SETTING.  
 CHART NOTE: FOR INOP MALSR, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY 1 3/8 MILE.  
 CHART NOTE: FOR INOP MALSR WHEN USING MANCHESTER ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2 MILE.



CITY AND STATE <b>NASHUA, NH</b>	ELEVATION: 200 AIRPORT NAME: <b>BOIRE FIELD</b>	TDZE: 200	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 14, AMDT 1C</b>  2 MARCH 2017	SUP:
					AMDT: <b>1B</b>
					DATED: <b>04/28/2016</b>

**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	KASH
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	424712.6980N
LTP/FTP LONGITUDE	0713124.5985W
LTP/FTP ELLIPSOIDAL HEIGHT	+00335
FPAP LATITUDE	424624.5500N
FPAP LONGITUDE	0712942.7800W
THRESHOLD CROSSING HEIGHT (TCH)	00047.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 6009CF22

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00611
FPAP ORTHOMETRIC HEIGHT	+00611



CITY AND STATE <b>NASHUA, NH</b>	ELEVATION: 200 TDZE: 200 AIRPORT NAME: <b>BOIRE FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 14, AMDT 1C</b> 2 MARCH 2017	SUP:
				AMDT: <b>1B</b>
				DATED: <b>04/28/2016</b>

**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: MACTI/MFD 15.35 DME FIX
MFD VORTAC (IF/IAF)	CARPP/MFD 10.00 DME	085.00 / 10.00	2900	CLIMB TO 2900 THEN LEFT TURN DIRECT MFD VORTAC AND HOLD.
				ADDITIONAL FLIGHT DATA: <b>FAS OBST: 1439 AAO 405207N/0822055W</b> <b>1459 AAO 405230N/0822233W</b> <b>FAC CROSSES MIDPOINT OF RWY 1-19.</b> <b>CHART MANSFIELD ASOS</b>

- PT \_\_\_\_\_ SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- HOLD W MFD VORTAC, RT, 085.00 INBOUND, 2900 FT. IN LIEU OF PT (IAF)
- FAC 085.00 FAF CARPP/MFD 10.00 DME DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_
- MIN. ALT CARPP 2900
- MSA FROM: MFD VORTAC 3000

MAG VAR: 3W 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	1740	1	533	1740	1	533	1740	1 1/2	533		NA				

NOTES:  
**CHART NOTE: RWY 1,19 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.**  
**CHART NOTE: DME REQUIRED.**  
**CHART NOTE: PROCEDURE NA AT NIGHT.**  
**CHART NOTE: USE MANSFIELD ALTIMETER SETTING, WHEN NOT RECEIVED USE WOOSTER ALTIMETER SETTING.**  
**CHART PLANVIEW NOTE: NOPT FOR ARRIVALS ON MFD VORTAC AIRWAY RADIALS 183 CW 310.**



CITY AND STATE ASHLAND, OH	ELEVATION: 1207 TDZE: AIRPORT NAME:  ASHLAND COUNTY	FACILITY IDENTIFIER: MFD	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 9C 2 MARCH 2017	SUP AMDT 9B DATE 01/12/2012
-------------------------------	--------------------------------------------------------------	-----------------------------	--------------------------------------------------------------------------	-----------------------------------

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	LP: RW04 LNAV: RW04
JOTPA (IAF)	JAGXA (NOPT) (TF) (FB) (RNP 1.00)	330.42 / 8.70	2500	CLIMB TO 2600 DIRECT JERAL AND HOLD.
JAGXA (IF/IAF)	LICAJ (TF) (FB) (RNP 1.00)	040.35 / 7.00	2500	
LICAJ (FAF)	WUPGO/2.10 NM TO RW04 (TF) (FB) (RNP 0.30)	040.41 / 2.99		
WUPGO/2.10 NM TO RW04	RW04 (MAP) (TF) (FO) (RNP 0.30)	040.41 / 2.10		ADDITIONAL FLIGHT DATA: HOLD NE, RT, 220.56 INBOUND. CHART FAS OBST: 999 POWERLINES 390332N/0841407W CHART FAS OBST: 1019 POWERLINES 390304N/0841422W WAAS CHANNEL # 58327 REFERENCE PATH ID: W04A CHART CIRCLING ICON. LICAJ TO RW04: 3.00/40. CHART CLERMONT COUNTY AWOS-3 FREQUENCY. LTP HAE: 222.2 M
RW04 (MAP)	1243 MSL	040.41		
1243 MSL	JERAL (DF) (FO) (RNP 1.00)		2600	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD SW JAGXA, RT, 040.35 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
- FAC: 040.41 FAF: LICAJ DIST FAF TO MAP: 5.09 THLD: 5.09
- MIN. ALT: JAGXA 2500, LICAJ 2500, WUPGO/2.10 NM TO RW04 1540
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: **4W** 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
LP MDA	1300	1	460	1300	1	460	1300	1 3/8	460		NA				
LNAV MDA	1320	1	480	1320	1	480	1320	1 3/8	480		NA				
CIRCLING	1360	1	517	1360	1	517	1520	2	677		NA				

NOTES:  
 CHART NOTE: CIRCLING TO RWY 22 NA AT NIGHT.  
 CHART NOTE: RWY 4/22 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
 (CONTINUED ON PAGE 2)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>BATAVIA, OH</b>	ELEVATION: <b>843</b> TDZE: <b>840</b> AIRPORT NAME: <b>CLERMONT COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 4, AMDT 1C</b> 2 MARCH 2017	SUP: AMDT: <b>1B</b> DATED <b>12/11/2014</b>
--------------------------------------	-----------------------------------------------------------------------------------	-------------------------------------	--------------------------------------------------------------------------------------------	----------------------------------------------------

**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 CINCINNATI MUNI AIRPORT LUNKEN FIELD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND ALL CAT C VISIBILITIES 1/4 SM.**

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	330/30 CW 130/30 (NOPT)	330/20 CW 130/20	2600
2.	330/20 CW 130/20	JAGXA (IF/IAF) (FB)	2500
3.	130/30 CW 220/30	JAGXA (IF/IAF) (FO)	2900
4.	220/30 CW 330/30	220/10 CW 330/10	2700
5.	220/10 CW 330/10	JOTPA (IAF) (FB)	2500



CITY AND STATE <b>BATAVIA, OH</b>	ELEVATION: 843      TDZE: 840 AIRPORT NAME: <b>CLERMONT COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 4, AMDT 1C</b> 2 MARCH 2017	SUP:
				AMDT: <b>1B</b>
				DATED: <b>12/11/2014</b>

**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	I69
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	390431.1930N
LTP/FTP LONGITUDE	0841247.2055W
LTP/FTP ELLIPSOIDAL HEIGHT	+02222
FPAP LATITUDE	390542.9200N
FPAP LONGITUDE	0841139.2200W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1784
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

**CRC REMAINDER** BECCC926

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02562
FPAP ORTHOMETRIC HEIGHT	+02562



CITY AND STATE <b>BATAVIA, OH</b>	ELEVATION: 843 TDZE: 840 AIRPORT NAME: <b>CLERMONT COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 4, AMDT 1C</b> 2 MARCH 2017	SUP:
				AMDT: <b>1B</b>
				DATED: <b>12/11/2014</b>

**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	
OCOCA (IAF)	JERAL (NOPT) (TF) (FB) (RNP 1.00)	290.67 / 8.70	2600	LP: RW22 LNAV: RW22
FIGPU (IAF)	JERAL (NOPT) (TF) (FB) (RNP 1.00)	150.49 / 8.70	2600	CLIMB TO 2500 DIRECT JAGXA AND HOLD.
JERAL (IF/IAF)	GOSCE (TF) (FB) (RNP 1.00)	220.56 / 7.00	2500	
GOSCE (FAF)	JEDIX/1.80 NM TO RW22 (TF) (FB) (RNP 0.30)	220.50 / 3.37		ADDITIONAL FLIGHT DATA: HOLD SW, RT, 040.35 INBOUND. CHART FAS OBST: 999 TOWER 390539N/0841043W CHART FAS OBST: 899 TREE 390500N/0841227W WAAS CHANNEL # 82227 REFERENCE PATH ID: W22A CHART CIRCLING ICON. GOSCE TO RW22: 3.00/40. LTP HAE: 213.8 M CHART CLERMONT COUNTY AWOS-3 FREQUENCY.
JEDIX/1.80 NM TO RW22	RW22 (MAP) (TF) (FO) (RNP 0.30)	220.50 / 1.80		
(SEE FORM 8260-10)				

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD NE JERAL, RT, 220.56 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
- FAC: 220.50 FAF: GOSCE DIST FAF TO MAP: 5.17 THLD: 5.17
- MIN. ALT: JERAL 2600, GOSCE 2500, JEDIX/1.80 NM TO RW22 1420
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: **4W** 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
LP MDA	1200	1	361	1200	1	361	1200	1	361		NA				
LNAV MDA	1280	1	441	1280	1	441	1280	1 3/8	441		NA				
CIRCLING	1360	1	517	1360	1	517	1520	2	677		NA				

NOTES:  
 CHART NOTE: RWY 22 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.  
 CHART NOTE: RWY 4/22 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
 (CONTINUED ON PAGE 2)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>BATAVIA, OH</b>	ELEVATION: <b>843</b> TDZE: <b>839</b> AIRPORT NAME: <b>CLERMONT COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 22, AMDT 1D</b> <b>2 MARCH 2017</b>	SUP: AMDT: <b>1C</b> DATED <b>04/02/2015</b>
--------------------------------------	-----------------------------------------------------------------------------------	-------------------------------------	----------------------------------------------------------------------------------------------------	----------------------------------------------------

**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.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
RW22 (MAP)	1200 MSL	220.50	
1200 MSL	JAGXA (DF) (FO) (RNP 1.00)		2500

**NOTES, (CONT.):**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CINCINNATI MUNI AIRPORT LUNKEN FIELD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; LP AND LNAV CAT C VISIBILITY 1 1/2 SM, CIRCLING CAT C VISIBILITY 2 1/4 SM.**

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	150/30 CW 291/30 (NOPT) 150/12 CW 291/12	150/12 CW 291/12 JERAL (IF/IAF) (FB)	3100 2600
2.	291/30 CW 041/30 291/11 CW 041/11	291/11 CW 041/11 OCOCA (IAF) (FB)	2800 2700
3.	041/30 CW 150/30 041/7 CW 150/7	041/7 CW 150/7 FIGPU (IAF) (FB)	3000 2600



CITY AND STATE <b>BATAVIA, OH</b>	ELEVATION: 843 TDZE: 839 AIRPORT NAME: <b>CLERMONT COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 22, AMDT 1D</b> 2 MARCH 2017	SUP:
				AMDT: <b>1C</b>
				DATED: <b>04/02/2015</b>

**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	I69
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	390456.3960N
LTP/FTP LONGITUDE	0841223.3215W
LTP/FTP ELLIPSOIDAL HEIGHT	+02138
FPAP LATITUDE	390344.6700N
FPAP LONGITUDE	0841331.3000W
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	1664
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER F65A2DA7

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02477
FPAP ORTHOMETRIC HEIGHT	+02477



CITY AND STATE <b>BATAVIA, OH</b>	ELEVATION: 843 TDZE: 839 AIRPORT NAME: <b>CLERMONT COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 22, AMDT 1D</b> 2 MARCH 2017	SUP:
				AMDT: <b>1C</b>
				DATED: <b>04/02/2015</b>

**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
FLM VOR/DME (IAF)	REMPE INT/11.00 DME	014.34 / 11.00	2500
REMPE INT/11.00 DME (IF)	BAILR INT/21.00 DME	014.34 / 10.00 (FLM R-014)	2500

**MAP: 4.87 NM AFTER BAILR INT/FLM 21.00 DME OR AT HIKSA/FLM 25.87 DME FIX**

**CLIMB TO 2500 THEN RIGHT TURN VIA FLM VOR/DME R-014 TO BAILR INT/21.00 DME AND HOLD.**

ADDITIONAL FLIGHT DATA:  
**HOLD S, RT, 014.34 INBOUND.**  
**CHART FAS OBST: 1104 TOWER 385920N/0841600W**  
**FAC CROSSES MIDPOINT OF RWY 4/22.**  
**CHART CIRCLING ICON.**  
**CHART CLERMONT COUNTY AWOS-3 FREQUENCY.**

- PT \_\_\_\_\_ SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- PROFILE STARTS AT REMPE
- FAC 014.34 FAF BAILR INT/21.00 DME DIST FAF TO MAP 4.87 THLD \_\_\_\_\_
- MIN. ALT REMPE 2500, BAILR 2500
- MSA FROM: FLM VOR/DME 2800 (27 NM)

MAG VAR: **4W** 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	
<b>CIRCLING</b>	<b>1420</b>	<b>1</b>	<b>577</b>	<b>1420</b>	<b>1</b>	<b>577</b>	<b>1520</b>	<b>2</b>	<b>677</b>		<b>NA</b>					

NOTES:

CHART NOTE: CIRCLING TO RWY 22 NA AT NIGHT.  
 CHART NOTE: RWY 4/22 HELICOPTER VISIBILITY REDUCTION BELOW 1 NOT AUTHORIZED.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FLM VOR/DME ON V517 SOUTHEAST BOUND.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CINCINNATI MUNI AIRPORT LUNKEN FIELD ALTIMETER SETTING AND INCREASE ALL MDAS 80 FT AND VISIBILITY CAT C 1/4 SM.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>BATAVIA, OH</b>	ELEVATION: <b>843</b> AIRPORT NAME: <b>CLERMONT COUNTY</b>	TDZE:	FACILITY IDENTIFIER: <b>FLM</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>VOR-B, AMDT 7C</b> <b>2 MARCH 2017</b>	SUP <b>7B</b> DATE <b>08/22/2013</b>
--------------------------------------	------------------------------------------------------------------	-------	------------------------------------	----------------------------------------------------------------------------------------	--------------------------------------------

**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: RW10
WISKE (IAF)	HYETO (TF) (FB) (RNP 1.00)	067.27 / 25.71	3000	CLIMB TO 3100 DIRECT LENLE AND ON TRACK 165.77 TO NESTO AND HOLD.
HYETO (IF)	SHANS (TF) (FB) (RNP 1.00)	098.73 / 6.50	3000	
SHANS (FAF)	WOLES/2.50 NM TO RW10 (TF) (FB) (RNP 0.30)	098.82 / 2.84		ADDITIONAL FLIGHT DATA: HOLD SE, RT, 318.01 INBOUND. CHART FAS OBST: 1297 BLDG 402106N/0795606W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.14 NM TO RW10* *LNAV ONLY. WAAS CHANNEL # 97325 REFERENCE PATH ID: W10A LTP HAE: 347.3 M
WOLES/2.50 NM TO RW10	RW10 (MAP) (TF) (FO) (RNP 0.30)	098.82 / 2.50		
RW10 (MAP) (SEE FORM 8260-10)	1451 MSL	098.82		

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. PROFILE STARTS AT HYETO
3. FAC: 098.82 FAF: SHANS DIST FAF TO MAP: 5.35 THLD: 5.35
4. MIN. ALT: HYETO 3000, SHANS 3000, WOLES/2.50 NM TO RW10 2080\*
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 3000 GS ALT AT: SHANS 3000 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 47.4 34:1 IS CLEAR
8. MSA FROM: RW10 3800

MAG VAR: **9W** EPOCH YEAR: **2000**

**MINIMUMS**

TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD					
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1451	3/4	200	1451	3/4	200	1451	3/4	200	1451	3/4	200			
LNAV/VNAV DA	1554	1	303	1554	1	303	1554	1	303	1554	1	303			
LNAV MDA	1660	1	409	1660	1	409	1660	1 1/8	409	1660	1 1/8	409			
CIRCLING	1740	1	488	1740	1	488	1740	1 1/2	488	1820	2	568			

NOTES:  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).  
CHART NOTE: DME/DME RNP-0.3 NA.



CITY AND STATE <b>PITTSBURGH, PA</b>	ELEVATION: <b>1252</b> TDZE: <b>1251</b> AIRPORT NAME: <b>ALLEGHENY COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 10, AMDT 4C</b> <b>2 MARCH 2017</b>	SUP: AMDT: <b>4B</b> DATED <b>12/10/2015</b>
-----------------------------------------	--------------------------------------------------------------------------------------	-------------------------------------	----------------------------------------------------------------------------------------------------	----------------------------------------------------

**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.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
1451 MSL	LENLE (DF) (FB) (RNP 1.00)		
LENLE	NESTO (TF) (FO) (RNP 1.00)	165.77 / 10.43	3100

QUALITY  
4  
CHECKED

CITY AND STATE <b>PITTSBURGH, PA</b>	ELEVATION: 1252      TDZE: 1251 AIRPORT NAME: <b>ALLEGHENY COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 10, AMDT 4C</b> 2 MARCH 2017	SUP:
				AMDT: <b>4B</b>
				DATED: <b>12/10/2015</b>

**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	KAGC
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	402115.4230N
LTP/FTP LONGITUDE	0795627.9585W
LTP/FTP ELLIPSOIDAL HEIGHT	+03473
FPAP LATITUDE	402115.5600N
FPAP LONGITUDE	0795431.4100W
THRESHOLD CROSSING HEIGHT (TCH)	00047.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 50CDE299

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03808
FPAP ORTHOMETRIC HEIGHT	+03808

QUALITY  
4  
CHECKED

CITY AND STATE <b>PITTSBURGH, PA</b>	ELEVATION: 1252	TDZE: 1251	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 10, AMDT 4C</b> 2 MARCH 2017	SUP:	
	AIRPORT NAME: <b>ALLEGHENY COUNTY</b>					AMDT: <b>4B</b>
						DATED: <b>12/10/2015</b>

**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: N A

CATEGORY =====>	MDA		VIS		MDA		VIS		MDA		VIS		MDA		VIS	

NOTES:  
  
**PROCEDURE CANCELED EFFECTIVE 2 MARCH 2017**

CITY AND STATE <b>MARION, SC</b>	ELEVATION: <b>92</b> TDZE: <b>92</b>	FACILITY IDENTIFIER: <b>MAO</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>NDB RWY 4, AMDT 5, 11/13/2014</b>	SUP
	AIRPORT NAME:  <b>MARION COUNTY</b>			<b>4</b>
				<b>4</b>
				DATE <b>08/30/2007</b>

*QUALITY*  
4  
*CHECKED*

**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
CTF VOR/DME	PYG NDB	333.86 / 6.49	2200
HUSTN INT	PYG NDB	134.84 / 14.39	2300

**MAP: PYG NDB**

**CLIMBING RIGHT TURN TO 2200 IN PYG NDB HOLDING PATTERN.**

ADDITIONAL FLIGHT DATA:  
**HOLD NE, RT, 229.33 INBOUND.**  
**CHART FAS OBST: 727 TOWER 344601N/0801602W**  
**CHART CIRCLING ICON.**  
**CHART CHARLOTTE-MONROE EXECUTIVE ASOS.**  
**FAC CROSSES RWY C/L EXTENDED 2999 FT FROM THLD.**

1. PT L SIDE OF COURSE 049.33 OUTBOUND 2200 FT WITHIN 10 MILES OF PYG NDB (IAF)
2. \_\_\_\_\_
3. FAC 229.33 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_
4. MIN. ALT \_\_\_\_\_
8. MSA FROM: **PYG NDB 2300**

MAG VAR: **8W** EPOCH YEAR: **2020**

**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
<b>S-24</b>	<b>1200</b>	<b>1</b>	<b>625</b>	<b>1200</b>	<b>1</b>	<b>625</b>		<b>NA</b>			<b>NA</b>				
<b>CIRCLING</b>	<b>1200</b>	<b>1</b>	<b>625</b>	<b>1200</b>	<b>1</b>	<b>625</b>		<b>NA</b>			<b>NA</b>				

NOTES:  
**CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.**  
**CHART NOTE: USE CHARLOTTE-MONROE EXECUTIVE ALTIMETER SETTING; WHEN NOT RECEIVED, USE CHARLOTTE/DOUGLAS INTL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.**



CITY AND STATE <b>PAGELAND, SC</b>	ELEVATION: <b>575</b> TDZE: <b>575</b>	FACILITY IDENTIFIER: <b>PYG</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>NDB RWY 24, AMDT 1, 03/02/2017</b>	SUP <b>NDB OR GPS RWY</b>
	AIRPORT NAME: <b>PAGELAND</b>			<b>23</b>
	AMDT <b>ORIG-C</b>			
				DATE <b>05/01/2014</b>

**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.

*(This area is intentionally left blank for the NDB Standard Instrument Approach Procedure.)*



CITY AND STATE <b>PAGELAND, SC</b>	<b>ELEVATION: 575</b>	<b>TDZE: 575</b>	FACILITY IDENTIFIER: <b>PYG</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>NDB RWY 24, AMDT 1, 03/02/2017</b>	SUP: <b>NDB OR GPS RWY 23</b>
	AIRPORT NAME: <b>PAGELAND</b>				AMDT: <b>ORIG-C</b>
					DATED: <b>05/01/2014</b>

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37

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

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
PAGELAND, SC	PAGELAND	03/02/2017	1

**TAKEOFF MINIMUMS:**  
RWY 6, 24: STANDARD

**TEXTUAL DEPARTURE PROCEDURES:**

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 6:** TREE 10 FT FROM DER, 407 FT LEFT OF CENTERLINE, 601 FT MSL. TREE 38 FT FROM DER, 417 FT RIGHT OF CENTERLINE, 582 FT MSL. POLE 67 FT FROM DER, 296 FT RIGHT OF CENTERLINE, 595 FT MSL. TREE AND POLE BEGINNING 73 FT FROM DER, 188 FT LEFT OF CENTERLINE, UP TO 607 FT MSL. FLAG POLE 81 FT FROM DER, 439 FT RIGHT OF CENTERLINE, 596 FT MSL. POLE 114 FT FROM DER, 381 FT RIGHT OF CENTERLINE, 597 FT MSL. TREE 199 FT FROM DER, 327 FT RIGHT OF CENTERLINE, 602 FT MSL. TREES BEGINNING 222 FT FROM DER, 372 FT LEFT OF CENTERLINE, UP TO 608 FT MSL. TREES AND VEHICLES ON ROAD BEGINNING 265 FT FROM DER, 401 FT RIGHT OF CENTERLINE, UP TO 621 FT MSL. AIRPORT BEACON, TREES, AND POLE BEGINNING 323 FT FROM DER, 102 FT RIGHT OF CENTERLINE, UP TO 627 FT MSL. TREES, BLDG, AND POLES BEGINNING 324 FT FROM DER, 345 FT LEFT OF CENTERLINE, UP TO 622 FT MSL. TREES BEGINNING 1235 FT FROM DER, 698 FT LEFT OF CENTERLINE, UP TO 630 FT MSL. TREES BEGINNING 1295 FT FROM DER, 40 FT LEFT OF CENTERLINE, UP TO 641 FT MSL. TREES BEGINNING 1793 FT FROM DER, 167 FT RIGHT OF CENTERLINE, UP TO 635 FT MSL. TREE 2177 FT FROM DER, 36 FT LEFT OF CENTERLINE, 642 FT MSL.

**NOTE: RWY 24:** TREE 5 FT FROM DER, 287 FT RIGHT OF CENTERLINE, 573 FT MSL. TREE 16 FT FROM DER, 378 FT RIGHT OF CENTERLINE, 580 FT MSL. TREE AND WINDSOCK BEGINNING 20 FT FROM DER, 148 FT RIGHT OF CENTERLINE, UP TO 581 FT MSL. VEHICLE ON ROAD BEGINNING 42 FT FROM DER, 406 FT LEFT OF CENTERLINE, UP TO 571 FT MSL. TREE AND POLE BEGINNING 55 FT FROM DER, 390 FT LEFT OF CENTERLINE, UP TO 600 FT MSL. TREES BEGINNING 111 FT FROM DER, 209 FT RIGHT OF CENTERLINE, UP TO 587 FT MSL. TREE 138 FT FROM DER, 501 FT LEFT OF CENTERLINE, 604 FT MSL. TREES, FENCE, POLES, BLDG, AND VEHICLES ON ROAD BEGINNING 225 FT FROM DER, 417 FT LEFT OF CENTERLINE, UP TO 609 FT MSL. TREES BEGINNING 1174 FT FROM DER, 364 FT LEFT OF CENTERLINE, UP TO 624 FT MSL.

**CONTROLLING OBSTACLES:**



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37

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

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
PAGELAND, SC	PAGELAND	03/02/2017	1

**REMARKS:**

HARD DATE DUE TO AIRPORT MAGNETIC VARIATION CHANGE FROM 6W TO 8W AND RUNWAY RENUMBERING.

**FLIGHT INSPECTED BY:**

PENDING

**OFFICE SYMBOL:**

**DATE:**

**DEVELOPED BY:**

FRANK JACKSON

*Digitally signed by*  
**FRANK JACKSON**  
Oct 20, 2016

**OFFICE SYMBOL:**

AJV-5431

**DATE:**

10/04/2016

**APPROVED BY:**

LONNIE EVERART

*Digitally signed by*  
**DONALD H LANIER**  
Oct 27, 2016

**OFFICE SYMBOL:**

AJV-5430

**DATE:**

**REQUIRED EFFECTIVE DATE:**

**COORDINATED WITH:**

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**

**CHANGES - REASONS:**

1. RUNWAY NUMBERS CHANGED FROM RWY 5, 23 TO RWY 6, 24 - AIRPORT MAGNETIC VARIATION CHANGED FROM 6W TO 8W AND RUNWAYS RENUMBERED.
2. UPDATED TAKEOFF OBSTACLE NOTES - DUE TO NEW SURVEY AND OBSTACLE GROUPING.

**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: DTE NDB
KIRCH INT	DTE NDB	293.43 / 5.08	3000	CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DTE NDB AND HOLD.
HCH VOR/DME	DTE NDB	174.59 / 18.07	5000	
				ADDITIONAL FLIGHT DATA: <b>HOLD SW, RT, 043.53 INBOUND.</b> <b>FAS OBST: 1259 AAO 352601N/0850040W</b> <b>CHART: MAX 6000 AT DTE NDB.</b> <b>FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.</b>

1. PT L SIDE OF COURSE 223.53 OUTBOUND 2900 FT WITHIN 10 MILES OF DTE NDB (IAF)  
2. \_\_\_\_\_  
3. FAC 043.53 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_  
4. MIN. ALT \_\_\_\_\_  
8. MSA FROM: **DTE NDB 4300**

MAG VAR: **4W** EPOCH YEAR: **2010**

**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
<b>S-03</b>	1620	1 1/4	906	1620	1 1/4	906	1620	2 1/2	906	1620	2 1/2	906			
<b>CIRCLING</b>	1620	1 1/4	902	1620	1 1/4	902	1620	2 3/4	902	1620	3	902			

NOTES:  
**CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.**  
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHATTANOOGA ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE S-3 CAT B VISIBILITY 1/4 MILE, S-3 CAT C AND D VISIBILITY 1/2 MILE AND CIRCLING CAT B AND C VISIBILITY 1/4 MILE.**  
**CHART NOTE: WHEN VGS1 INOP, CIRCLING RWY 21 NA AT NIGHT.**

CITY AND STATE <b>DAYTON, TN</b>	ELEVATION: <b>718</b> TDZE: <b>714</b> AIRPORT NAME: <b>MARK ANTON</b>	FACILITY IDENTIFIER: <b>DTE</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>NDB RWY 3, AMDT 2A</b> <b>2 MARCH 2017</b>	SUP AMDT DATE	<b>4 2</b> <b>08/25/2011</b>
-------------------------------------	------------------------------------------------------------------------------	------------------------------------	--------------------------------------------------------------------------------------------	---------------------	---------------------------------



**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: N A

CATEGORY =====>	MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS

NOTES:

PROCEDURE CANCELED EFFECTIVE 2 MARCH 2017



CITY AND STATE <b>SEMINOLE, TX</b>	ELEVATION: 3315 TDZE: 3278 AIRPORT NAME:  <b>GAINES COUNTY</b>	FACILITY IDENTIFIER: <b>GNC</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>NDB RWY 35, AMDT 1, 11/23/2006</b>	SUP
				AMDT <b>ORIG</b>
				DATE <b>03/17/1983</b>

**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: CIKAK/I-PVU 2.04 DME
FFU VORTAC (IAF)	JETLI INT/FFU 3.97 DME	312.63 / 3.97	9000	<b>CLIMB TO 6100 THEN CLIMBING RIGHT TURN TO 9000 ON HEADING 300 AND ON FFU VORTAC R-118 TO FFU VORTAC AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA: HOLD S, RT, 340.00 INBOUND. CHART ARRIVAL HOLDING AT FFU VORTAC: HOLD S, RT, 340.00 INBOUND, 9000. CHART 210 KIAS ICON AT FFU VORTAC. CHART FAS OBST: 4590 TREE 401410N/1114359W CHART PLANVIEW NOTE: DME REQUIRED. CHART R-6412. CHART PVU R-285 AT JETLI. CHART CIRCLING ICON.</b>
JETLI INT/PVU 14.00 DME CW	DICOT INT/I-PVU 14.53 DME	14.00 DME ARC (PVU LR-302)	8000	
JAURN INT/I-PVU 19.72 DME (IAF)	DICOT INT/I-PVU 14.53 DME	133.79 / 5.19 (I-PVU)	8000	
DICOT INT/I-PVU 14.53 DME (IF)	WAVIT/I-PVU 7.08 DME	133.79 / 7.45 (I-PVU)	6300	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. PROFILE STARTS AT DICOT INT/I-PVU 14.53 DME
3. FAC: 133.79 FAF: WAVIT/I-PVU 7.08 DME DIST FAF TO MAP:        THLD: 5.50
4. MIN. ALT: **DICOT 8000, WAVIT 6300**
5. DIST TO THLD FROM OM:        -        MM:        -        IM:        - 150 HAT:        - 100 HAT:        - GS ANT: **1000**
6. MIN GS INCPT: 6300 GS ALT AT: WAVIT 6300 OM:        -        MM:        -        IM:        -
7. GS ANGLE: 3.00 TCH: 50.2
8. MSA FROM: **PVU VOR/DME 050-140 12300, 140-230 13200, 230-320 11900, 320-050 13000**

MAG VAR: 12E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: STANDARD #	LOC: STANDARD @												
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 13	4697	1	200	4697	1	200	4697	1	200	4697	1	200			
S-LOC 13	4820	1	323	4820	1	323	4820	1	323	4820	1	323			
CIRCLING	4940	1	443	4960	1	463	5120	1 3/4	623	5260	2 1/2	763			

NOTES:  
 CHART NOTE: CIRCLING TO RWY 18 NA AT NIGHT.  
 CHART NOTE: CIRCLING NA EAST OF RWYS 18 AND 36.  
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
 CHART NOTE: USE I-PVU DME WHEN ON LOCALIZER COURSE.  
 (CONTINUED ON PAGE 2)

#@ NA WHEN CONTROL TOWER CLOSED.  
 # CAT C 700-2, CAT D 800-2 1/2  
 @ CAT D 800-2 1/2



CITY AND STATE PROVO, UT	ELEVATION: 4497 TDZE: 4497 AIRPORT NAME: PROVO MUNI	FACILITY IDENTIFIER: I-PVU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13, AMDT 3 2 MARCH 2017	SUP: ILS OR LOC/DME RWY 13 AMDT: 2A DATED 12/11/2014
-----------------------------	-----------------------------------------------------------	-------------------------------	-------------------------------------------------------------------------------------	---------------------------------------------------------------

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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JAURN INT ON V21 NORTHBOUND.  
 CHART DME REQUIRED.



CITY AND STATE <b>PROVO, UT</b>	<b>ELEVATION: 4497</b>	<b>TDZE: 4497</b>	FACILITY IDENTIFIER: <b>I-PVU</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>ILS OR LOC RWY 13, AMDT 3</b> 2 MARCH 2017	SUP: <b>ILS OR LOC/DME RWY 13</b>
	AIRPORT NAME: <b>PROVO MUNI</b>				AMDT: <b>2A</b>
					DATED: <b>12/11/2014</b>