

U.S. Department  
of Transportation

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

**Federal Aviation  
Administration**

**Transmittal Letter 10-14**

**May 28, 2010**

**PREPARED BY THE NATIONAL FLIGHT DATA CENTER, AJR-321  
(AVAILABLE ON THE WEB AT [HTTP://NFDC.FAA.GOV](http://NFDC.FAA.GOV))**

**The enclosed Standard Instrument Approach Procedures, Departure  
Procedures/Takeoff Minimums and Fix Actions are effective as indicated.**

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30727 ; Amdt. No. 3376]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

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

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

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

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

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

For Examination-

1. FAA Rules Docket, FAA Headquarters Building, 800 Independence Avenue, SW., Washington, DC 20591;
2. The FAA Regional Office of the region in which the affected airport is located;
3. The National Flight Procedures Office, 6500 South MacArthur Blvd., Oklahoma City, OK 73169 or,
4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to:  
[http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

Availability- All SIAPs and Takeoff Minimums and ODPs are available online free of charge. Visit <http://www.nfdc.faa.gov> to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

1. FAA Public Inquiry Center (APA-200), FAA Headquarters Building, 800 Independence Avenue, SW., Washington, DC 20591; or
2. The FAA Regional Office of the region in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Harry J. Hodges, Flight Procedure Standards Branch (AFS-420), Flight Technologies and Programs Divisions, Flight Standards Service, Federal Aviation

Administration, Mike Monroney      Aeronautical Center, 6500 South  
MacArthur Blvd. Oklahoma City, OK. 73169 (Mail Address: P.O.  
Box 25082, Oklahoma City, OK 73125) Telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION: This rule amends Title 14 of the Code of Federal Regulations, Part 97 (14 CFR part 97), by establishing, amending, suspending, or revoking SIAPS, Takeoff Minimums and/or ODPS. The complete regulators description of each SIAP and its associated Takeoff Minimums or ODP for an identified airport is listed on FAA form documents which are incorporated by reference in this amendment under 5 U.S.C. 552(a), 1 CFR part 51, and 14 CFR part 97.20. The applicable FAA Forms are FAA Forms 8260-3, 8260-4, 8260-5, 8260-15A, and 8260-15B when required by an entry on 8260-15A.

The large number of SIAPs, Takeoff Minimums and ODPs, in addition to their complex nature and the need for a special format make publication in the Federal Register expensive and impractical. Furthermore, airmen do not use the regulatory text of the SIAPs, Takeoff Minimums or ODPs, but instead refer to their depiction on charts printed by publishers of aeronautical materials. The advantages of incorporation by reference are realized and publication of the complete description of each SIAP, Takeoff Minimums and ODP listed on FAA forms is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAPs and the effective dates of the, associated Takeoff Minimums and ODPs. This amendment also identifies the airport and its location, the procedure, and the amendment number.

## THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP, Takeoff Minimums and ODP as contained in the transmittal. Some SIAP and Takeoff Minimums and textual ODP amendments may have been issued previously by the FAA in a Flight Data Center (FDC) Notice to Airmen (NOTAM) as an emergency action of immediate flight safety relating directly to published aeronautical charts. The circumstances which created the need for some SIAP and Takeoff Minimums and ODP amendments may require making them effective in less than 30 days. For the remaining SIAPS and Takeoff Minimums and ODPS, an effective date at least 30 days after publication is provided.

Further, the SIAPs and Takeoff Minimums and ODPS contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these SIAPS and Takeoff Minimums and ODPS, the TERPS criteria were applied to the conditions existing or anticipated at the affected airports. Because of the close and immediate relationship between these SIAPs, Takeoff Minimums and ODPS, and safety in air commerce, I find that notice and public procedures before adopting these SIAPS, Takeoff Minimums and ODPS are impracticable and contrary to the public interest and, where applicable, that good cause exists for making some SIAPS effective in less than 30 days.

## CONCLUSION

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

List of Subjects in 14 CFR part 97:

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

Issued in Washington, DC on May 28, 2010.



John M. Allen  
Director, Flight Standards Service

## ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) is amended by establishing, amending, suspending, or revoking Standard Instrument Approach Procedures and/or Takeoff Minimums and/or Obstacle Departure Procedures effective at 0902 UTC on the dates specified, as follows:

## Part 97—Standard Instrument Approach Procedures

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

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

2. Part 97 is amended to read as follows:

**Effective 1 JUL 2010**

Tucson, AZ, Tucson Intl, VOR/DME OR TACAN RWY 29R, Amdt 2D  
Paxton, IL, Paxton, RNAV (GPS) RWY 18, Orig  
Paxton, IL, Paxton, Takeoff Minimums and Obstacle DP, Amdt 1  
Paxton, IL, Paxton, VOR RWY 18, Amdt 2  
Butte, MT, Bert Mooney, RNAV (GPS) Y RWY 15, Orig-A  
Youngstown, OH, Youngstown Elser Metro, Takeoff Minimums and Obstacle DP,  
Amdt 1  
Pickens, SC, Pickens County, RNAV (GPS) RWY 23, Orig-A

**Effective 29 JUL 2010**

Cold Bay, AK, Cold Bay, LOC/DME BC RWY 32, Amdt 9A  
Savoonga, AK, Savoonga, GPS RWY 5, Orig, CANCELLED  
Savoonga, AK, Savoonga, RNAV (GPS) RWY 5, Orig  
Savoonga, AK, Savoonga, RNAV (GPS) RWY 23, Orig  
Savoonga, AK, Savoonga, Takeoff Minimums and Obstacle DP, Amdt 1  
Savoonga, AK, Savoonga, VOR RWY 23, Amdt 1  
Savoonga, AK, Savoonga, VOR/DME RWY 23, Amdt 1  
Centre, AL, Centre Muni, Takeoff Minimums and Obstacle DP, CANCELLED  
Centre, AL, Centre Muni, VOR/DME OR GPS RWY 27, Amdt 1A, CANCELLED  
Dothan, AL, Dothan Rgnl, RNAV (GPS) RWY 18, Amdt 1  
Dothan, AL, Dothan Rgnl, RNAV (GPS) RWY 36, Orig  
Huntsville, AL, Huntsville Intl-Carl T Jones Field, ILS OR LOC RWY 18R, ILS RWY  
18R (CAT II), Amdt 24A  
Muscle Shoals, AL, Northwest Alabama Rgnl, ILS OR LOC RWY 29, Amdt 5  
Muscle Shoals, AL, Northwest Alabama Rgnl, RNAV (GPS) RWY 11, Amdt 1  
Muscle Shoals, AL, Northwest Alabama Rgnl, RNAV (GPS) RWY 29, Amdt 1  
Pago Pago, AS, American Samoa, Pago Pago Intl, VOR-D, Amdt 6  
Clifton/Morenci, AZ, Greenlee County, SAN SIMON ONE Graphic Obstacle DP  
Clifton/Morenci, AZ, Greenlee County, Takeoff Minimums and Obstacle DP, Orig  
Mesa, AZ, Falcon Field, MESA ONE Graphic Obstacle DP  
Safford, AZ, Safford Rgnl, SAFFORD ONE Graphic Obstacle DP  
Springerville, AZ, Springerville Muni, GPS RWY 21, Orig, CANCELLED  
Springerville, AZ, Springerville Muni, RNAV (GPS) RWY 21, Orig  
Tucson, AZ, Ryan Field, ALMON ONE Graphic Obstacle DP  
Tucson, AZ, Ryan Field, Takeoff Minimums and Obstacle DP, Amdt 3  
Meeker, CO, Meeker, RNAV (GPS) RWY 3, Amdt 1  
Hartford, CT, Hartford-Brainard, Takeoff Minimums and Obstacle DP, Amdt 5  
Fernandina Beach, FL, Fernandina Beach Muni, RADAR-1, Amdt 4A, CANCELLED  
Gainesville, FL, Gainesville Rgnl, RADAR-1, Orig, CANCELLED  
Jacksonville, FL, Craig Muni, RADAR-1, Amdt 1, CANCELLED

Milledgeville, GA, Baldwin County, NDB RWY 28, Amdt 3  
Milledgeville, GA, Baldwin County, RNAV (GPS) RWY 10, Amdt 1  
Milledgeville, GA, Baldwin County, RNAV (GPS) RWY 28, Amdt 1  
Milledgeville, GA, Baldwin County, Takeoff Minimums and Obstacle DP, Amdt 1  
Millen, GA, Millen, RNAV (GPS) RWY 17, Amdt 1  
Millen, GA, Millen, RNAV (GPS) RWY 35, Orig  
Clarinda, IA, Schenck Field, Takeoff Minimums and Obstacle DP, Amdt 1  
Marshalltown, IA, Marshalltown Muni, GPS RWY 12, Orig-B, CANCELLED  
Marshalltown, IA, Marshalltown Muni, RNAV (GPS) RWY 13, Orig  
Marshalltown, IA, Marshalltown Muni, RNAV (GPS) RWY 31, Orig  
Marshalltown, IA, Marshalltown Muni, Takeoff Minimum and Obstacle DP, Orig  
Marshalltown, IA, Marshalltown Muni, VOR RWY 13, Amdt 2  
Marshalltown, IA, Marshalltown Muni, VOR RWY 31, Amdt 2  
Bonners Ferry, ID, Boundary County, KARPS ONE Graphic Obstacle DP  
Bonners Ferry, ID, Boundary County, RNAV (GPS) RWY 2, Orig  
Bonners Ferry, ID, Boundary County, Takeoff Minimums and Obstacle DP, Orig  
Belleville, IL, Scott AFB/Midamerica, Takeoff Minimums and Obstacle DP, Orig  
Atwoods, KS, Atwood-Rawlins County City-County, Takeoff Minimums and Obstacle DP, Orig  
Benton, KS, Lloyd Stearman Field, Takeoff Minimum and Obstacle DP, Orig  
Junction City, KS, Freeman Field, NDB-B, Amdt 5  
Hammond, LA, Hammond Northshore Rgnl, ILS OR LOC RWY 18, Amdt 4  
Hammond, LA, Hammond Northshore Rgnl, RNAV (GPS) RWY 18, Amdt 1  
Hammond, LA, Hammond Northshore Rgnl, RNAV (GPS) RWY 31, Amdt 1  
Hammond, LA, Hammond Northshore Rgnl, RNAV (GPS) RWY 36, Orig  
Hammond, LA, Hammond Northshore Rgnl, VOR RWY 18, Amdt 4  
Hammond, LA, Hammond Northshore Rgnl, VOR RWY 31, Amdt 5  
Canby, MN, Myers Field, Takeoff Minimums and Obstacle DP, Amdt 1  
Ava, MO, Ava Bill Martin Memorial, NDB RWY 31, Amdt 1, CANCELLED  
Perryville, MO, Perryville Muni, GPS RWY 2, Orig-A, CANCELLED  
Perryville, MO, Perryville Muni, GPS RWY 20, Orig-A, CANCELLED  
Perryville, MO, Perryville Muni, RNAV (GPS) RWY 2, Orig  
Perryville, MO, Perryville Muni, RNAV (GPS) RWY 20, Orig  
Perryville, MO, Perryville Muni, Takeoff Minimums and Obstacle DP, Orig  
Perryville, MO, Perryville Muni, VOR/DME-A, Amdt 5  
Perryville, MO, Perryville Muni, VOR/DME RNAV RWY 20, Amdt 3A, CANCELLED  
Columbus, MS, Columbus-Lowndes County, RNAV (GPS) RWY 18, Orig-A  
Bozeman, MT, Gallatin Field, BOZEMAN TWO Graphic Obstacle DP  
Bozeman, MT, Gallatin Field, ILS OR LOC RWY 12, Amdt 7  
Bozeman, MT, Gallatin Field, RNAV (GPS)-A, Amdt 1  
Bozeman, MT, Gallatin Field, RNAV (GPS) Y RWY 12, Orig  
Bozeman, MT, Gallatin Field, RNAV (RNP) RWY 30, Orig  
Bozeman, MT, Gallatin Field, RNAV (RNP) Z RWY 12, Orig  
Bozeman, MT, Gallatin Field, VOR RWY 12, Amdt 14

Bozeman, MT, Gallatin Field, VOR/DME RWY 12, Amdt 3  
Sidney, MT, Sidney-Richland Muni, NDB RWY 1, Amdt 3  
Sidney, MT, Sidney-Richland Muni, NDB RWY 19, Amdt 4  
Sidney, MT, Sidney-Richland Muni, RNAV (GPS) RWY 1, Amdt 1  
Sidney, MT, Sidney-Richland Muni, RNAV (GPS) RWY 19, Amdt 1  
Sidney, MT, Sidney-Richland Muni, Takeoff Minimums and Obstacle DP, Amdt 4  
Thedford, NE, Thomas County, RNAV (GPS) RWY 11, Amdt 2  
Thedford, NE, Thomas County, RNAV (GPS) RWY 29, Amdt 2  
Farmington, NM, Four Corners Rgnl, RNAV (GPS) RWY 25, Amdt 1  
Farmington, NM, Four Corners Rgnl, Takeoff Minimums and Obstacle DP, Amdt 1  
Akron, NY, Akron, RNAV (GPS) RWY 7, Amdt 1  
Akron, NY, Akron, RNAV (GPS) RWY 25, Amdt 1  
Durant, OK, Eaker Field, RNAV (GPS) RWY 17, Amdt 1  
Durant, OK, Eaker Field, RNAV (GPS) RWY 35, Amdt 1  
Durant, OK, Eaker Field, Takeoff Minimums and Obstacle DP, Orig  
El Reno, OK, El Reno Rgnl, NDB RWY 35, Amdt 3C, CANCELLED  
Henryetta, OK, Henryetta Muni, Takeoff Minimums and Obstacle DP, Amdt 3  
Oklahoma City, OK, Wiley Post, GPS RWY 35R, Orig, CANCELLED  
Oklahoma City, OK, Wiley Post, ILS OR LOC RWY 17L, Amdt 11  
Oklahoma City, OK, Wiley Post, RNAV (GPS) RWY 17L, Amdt 1  
Oklahoma City, OK, Wiley Post, RNAV (GPS) RWY 35R, Orig  
Klamath Falls, OR, Klamath Falls, ILS OR LOC/DME RWY 32, Amdt 20  
Klamath Falls, OR, Klamath Falls, RNAV (GPS) RWY 14, Amdt 1  
Klamath Falls, OR, Klamath Falls, RNAV (GPS) RWY 32, Orig  
Klamath Falls, OR, Klamath Falls, Takeoff Minimums and Obstacle DP, Amdt 5  
Klamath Falls, OR, Klamath Falls, VOR/DME OR TACAN RWY 14, Amdt 5  
Klamath Falls, OR, Klamath Falls, VOR/DME OR TACAN RWY 32, Amdt 5  
Klamath Falls, OR, Klamath Falls, VOR OR GPS-B, Amdt 3, CANCELLED  
Williamsport, PA, Williamsport Rgnl, Takeoff Minimums and Obstacle DP, Amdt 4  
Beaufort, SC, Beaufort County, RNAV (GPS) RWY 7, Amdt 1  
Beaufort, SC, Beaufort County, RNAV (GPS) RWY 25, Amdt 1  
Bennettsville, SC, Marlboro County Jetport-H E Avent Field, NDB RWY 7, Amdt 5  
Bennettsville, SC, Marlboro County Jetport-H E Avent Field, RNAV (GPS) RWY 7,  
Amdt 1  
Bennettsville, SC, Marlboro County Jetport-H E Avent Field, RNAV (GPS) RWY 25,  
Amdt 1  
Bennettsville, SC, Marlboro County Jetport-H E Avent Field, Takeoff Minimums and  
Obstacle DP, Amdt 1  
Bennettsville, SC, Marlboro County Jetport-H E Avent Field, VOR/DME-A, Amdt 5  
Lebanon, TN, Lebanon Muni, Takeoff Minimums and Obstacle DP, Amdt 1  
Baytown, TX, Baytown, RNAV (GPS) RWY 14, Orig  
Baytown, TX, Baytown, RNAV (GPS) RWY 32, Orig  
Baytown, TX, Baytown, Takeoff Minimum and Obstacle DP, Orig  
Center, TX, Center Muni, GPS RWY 17, Amdt 1A, CANCELLED

Center, TX, Center Muni, GPS RWY 35, Orig-A, CANCELLED  
Center, TX, Center Muni, RNAV (GPS) RWY 17, Orig  
Center, TX, Center Muni, RNAV (GPS) RWY 35, Orig  
Center, TX, Center Muni, Takeoff Minimum and Obstacle DP, Orig  
Childress, TX, Childress Muni, Takeoff Minimums and Obstacle DP, Amdt 1  
Corpus Christi, TX, Corpus Christi Intl, RNAV (GPS) RWY 35, Amdt 1  
Giddings, TX, Giddings-Lee County, GPS RWY 17, Orig, CANCELLED  
Giddings, TX, Giddings-Lee County, GPS RWY 35, Orig, CANCELLED  
Giddings, TX, Giddings-Lee County, RNAV (GPS) RWY 17, Orig  
Giddings, TX, Giddings-Lee County, RNAV (GPS) RWY 35, Orig  
Giddings, TX, Giddings-Lee County, Takeoff Minimum and Obstacle DP, Orig  
Hebbronville, TX, Jim Hogg County, GPS RWY 13, Amdt 1A, CANCELLED  
Hebbronville, TX, Jim Hogg County, NDB RWY 13, Amdt 4  
Hebbronville, TX, Jim Hogg County, RNAV (GPS) RWY 13, Orig  
Hebbronville, TX, Jim Hogg County, Takeoff Minimum and Obstacle DP, Orig  
Kingsville, TX, Kleberg County, GPS RWY 13, Orig-A, CANCELLED  
Kingsville, TX, Kleberg County, RNAV (GPS) RWY 13, Orig  
Kingsville, TX, Kleberg County, Takeoff Minimum and Obstacle DP, Orig  
La Grange, TX, Fayette Rgnl Air Center, RNAV (GPS) RWY 16, Amdt 1A  
La Grange, TX, Fayette Rgnl Air Center, RNAV (GPS) RWY 34, Amdt 1A  
Odessa, TX, Odessa-Schlemeyer Field, GPS RWY 20, Orig, CANCELLED  
Odessa, TX, Odessa-Schlemeyer Field, GPS-B, Orig, CANCELLED  
Odessa, TX, Odessa-Schlemeyer Field, NDB RWY 20, Amdt 5  
Odessa, TX, Odessa-Schlemeyer Field, RNAV (GPS) RWY 11, Orig  
Odessa, TX, Odessa-Schlemeyer Field, RNAV (GPS) RWY 20, Orig  
Odessa, TX, Odessa-Schlemeyer Field, RNAV (GPS) RWY 29, Orig  
Seminole, TX, Gaines County, Takeoff Minimum and Obstacle DP, Orig  
Vernon, TX, Wilbarger County, NDB RWY 20, Amdt 1  
Vernon, TX, Wilbarger County, RNAV (GPS) RWY 2, Orig  
Vernon, TX, Wilbarger County, RNAV (GPS) RWY 20, Orig  
Vernon, TX, Wilbarger County, Takeoff Minimum and Obstacle DP, Orig  
Wheeler, TX, Wheeler Muni, Takeoff Minimum and Obstacle DP, Orig  
Wise, VA, Lonesome Pine, Takeoff Minimums and Obstacle DP, Amdt 3  
Lyndonville, VT, Caledonia County, RNAV (GPS) RWY 2, Orig-A  
Walla Walla, WA, Walla Walla Rgnl, ILS OR LOC/DME Z RWY 20, Orig  
Walla Walla, WA, Walla Walla Rgnl, ILS OR LOC Y RWY 20, Amdt 9  
Wenatchee, WA, Pangborn Memorial, RNAV (RNP) RWY 12, Orig

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
SULLI/TUS 20.00 DME CW (IAF)	ILEEN/TUS 20.00 DME	20.00 DME ARC	8000	MAP: HOSVO/TUS 0.30 DME
ILEEN/TUS 20.00 DME (IF)	VAINE/TUS 13.50 DME	303.04 / 6.50 (TUS R-123)	7200	CLIMB TO 6500 TO PIMMA/TUS 20.00 DME ON TUS R-308.
VAINE/TUS 13.50 DME	NAIRB/TUS 9.50 DME	303.04 / 4.00 (TUS R-123)	6100	
NAIRB/TUS 9.50 DME	COPEY/TUS 5.00 DME	303.04 / 4.50 (TUS R-123)	4800	
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 2853 TRMSN TWR 320454N/1105333W CHART TUS R-107 AT SULLI. COPEY TO RW29R: 3.55/55. FAC 6L OF RWY C/L EXTENDED 3000 FROM THLD.

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- PROFILE STARTS AT ILEEN/TUS 20.00 DME
- FAC 303.04 FAF COPEY/TUS 5.00 DME DIST FAF TO MAP \_\_\_\_\_ THLD 5.57
- MIN. ALT ILEEN 8000, VAINE 7200, NAIRB 6100, COPEY 4800, GAVET/TUS 2.00 DME 3600
- MSA FROM: TUS VORTAC 330-240 10700, 240-330 6600

MAG VAR: 12E EPOCH YEAR: 1995

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A			STANDARD @						
CATEGORY >>>>>	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-29R	3120	1	477	3120	1	477	3120	1 1/4	477	3120	1 1/2	477	3120	1 3/4	477	
CIRCLING	3120	1	477	3220	1	577	3220	1 1/2	577	3220	2	577	3800	3	1157	

NOTES:  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. @ CAT E 1200-3  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.



CITY AND STATE TUCSON, AZ	ELEVATION: 2643 TDZE: 2643 AIRPORT NAME: TUCSON INTL	FACILITY IDENTIFIER: TUS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME OR TACAN RWY 29R, AMDT 2D 1 JULY 2010	SUP AMDT 2C DATE 07/31/2008
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
FAR PART 97.33**

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
COOKS	FODBU (FB)	079.61 / 24.75	2500	LNAV: RW18	
WEARS	ODOWY (FB)	286.14 / 18.59	2500	CLIMBING RIGHT TURN TO 2500 DIRECT VEVKY AND HOLD.	
NEWTT (IAF)	VEVKY (FB)	188.39 / 25.24	2500		
FODBU (IAF)	VEVKY (FB)	092.74 / 5.00	2500		
ODOWY (IAF)	VEVKY (FB)	272.88 / 5.00	2500		
VEVKY (IF)	JUSAS (FB)	182.81 / 6.10	2500		
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 182.81 INBOUND. FAS OBST: 1001 AAO 403036N/0880830W JUSAS TO RW18: 3.04/42 CHART: CHAMPAIGN-URBANA ASOS	

1. PT NA SIDE OF COURSE          OUTBOUND          FT WITHIN          MILES OF          (IAF)
2. PROFILE STARTS AT VEVKY
3. FAC: 182.81 FAF: JUSAS DIST FAF TO MAP: 5.20 THLD: 5.20
4. MIN. ALT: VEVKY 2500, JUSAS 2500
5. DIST TO THLD FROM OM:          MM:          IM:          150 HAT:          100 HAT:          GS ANT:
6. MIN GS INCPT:          GS ALT AT:          OM:          MM:          IM:
7. GS ANGLE:          TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW18 3000

MAG VAR: 3W EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	<input type="checkbox"/> STANDARD	<input checked="" type="checkbox"/> X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N	<input type="checkbox"/> A	<input checked="" type="checkbox"/> X									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1400	1	623	1400	1	623	1400	1 3/4	623		NA				
CIRCLING	1540	1	761	1540	1 1/4	761	1540	2 1/4	761		NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART NOTE: USE CHAMPAIGN-URBANA ALTIMETER SETTING; WHEN NOT RECEIVED, USE DECATUR ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.  
 SEE 8260-10

CITY AND STATE	ELEVATION: 779 TDZE: 777	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PAXTON, IL	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 18, ORIG	AMDT: NONE
	PAXTON		01 JUL 2010	DATED

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

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

**NOTES CONT.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WEARS ON V227 EASTBOUND.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NEWTT ON V191 NORTHBOUND AND AT NEWTT ON V173 NORTHEAST BOUND.**

CITY AND STATE <b>PAXTON, IL</b>	ELEVATION: 779 TDZE: 777 AIRPORT NAME: <b>PAXTON</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 18, ORIG 01 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:





## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

**RWY 18, STANDARD.**

**RWY 36, 300 - 1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 321 FT PER NM TO 1200.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 36, VEHICLES ON ROAD 439' FROM DER, CROSSING FROM LEFT TO RIGHT, UP TO 15' AGL/796' MSL. TREES BEGINNING 557' FROM DER, 31' RIGHT OF CENTERLINE, UP TO 60' AGL/849' MSL. TOWER 1.1 NM FROM DER, 1761' LEFT OF CENTERLINE, 179' AGL/983' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 36: 983 MSL TOWER 402817.00N/0880803.00W.**

(5) City, State <b>PAXTON, IL</b>	(6) Airport <b>PAXTON</b>	(7) Effective Date <b>01 JUL 2010</b>	(8) Amdt. No. <b>1</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**VOR STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.23**

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

**TERMINAL ROUTES**

FROM	TO	COURSE AND DISTANCE	ALTITUDE

**MISSED APPROACH**

**MAP: 7.99 MILES AFTER RBS VOR/DME OR AT 7.99 DME FIX**

**CLIMBING RIGHT TURN TO 2500 DIRECT RBS VOR/DME AND HOLD.**

**ADDITIONAL FLIGHT DATA:**  
**HOLD N, RT, 165.91 INBOUND.**  
**FAS OBST: 1001 AAO 403036N/0880830W**  
**CHART 1110 TOWER 402716N/0880613W.**  
**CHART: CHAMPAIGN-URBANA ASOS.**

1. PT L SIDE OF COURSE 345.91 OUTBOUND 2500 FT WITHIN 10 MILES OF RBS VOR/DME (IAF)
2. \_\_\_\_\_
3. FAC 165.91 FAF RBS VOR/DME DIST FAF TO MAP 7.99 THLD 7.99
4. MIN. ALT RBS VOR/DME 2500
8. MSA FROM: RBS VOR/DME 2500

MAG VAR: 2E                      EPOCH YEAR: 1965

**MINIMUMS**

TAKEOFF:	<input type="checkbox"/> STANDARD	<input checked="" type="checkbox"/> X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A	<input type="checkbox"/>	<input checked="" type="checkbox"/> 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-18	1580	1	803	1580	1 1/4	803	1580	2 1/4	803		NA					
CIRCLING	1580	1	801	1580	1 1/4	801	1580	2 1/4	801		NA					

**NOTES:**  
**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.**  
**CHART NOTE: USE CHAMPAIGN-URBANA ALTIMETER SETTING; WHEN NOT RECEIVED, USE DECATUR ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE S-18 AND CIRCLING CAT A VISIBILITY 1/4 MILE AND S-18 AND CIRCLING CAT C VISIBILITY 1/2 MILE.**

CITY AND STATE <b>PAXTON, IL</b>	ELEVATION: 779    TDZE: 777	FACILITY IDENTIFIER: <b>RBS</b>	PROCEDURE NO./AMD NO./EFFECTIVE DATE:	SUP VOR OR GPS RWY
	AIRPORT NAME: <b>PAXTON</b>		<b>VOR RWY 18, AMDT 2</b>	<b>18</b>
			<b>01 JUL 2010</b>	<b>1</b>
				DATE <b>11/17/1988</b>

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
UBIJO	PACIC (FB)	081.61 / 10.24	11100	<b>LNAV: LUYKI</b>  <b>CLIMBING RIGHT TURN TO 10000 DIRECT PACIC AND HOLD.</b>  ADDITIONAL FLIGHT DATA: HOLD N, RT, 190.00 INBOUND. CHART FAS OBST: 6819 TREE 460338N/1123142W CHART 7087 GRD 460441N/1123240W. NUCLI TO RW15: 3.69/55. FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.
GLUES	PACIC (FB)	171.10 / 14.80	10000	
PACIC (IAF)	OLACU (FB)	115.86 / 5.00	9000	
OLACU (IF)	NUCLI (FB)	115.92 / 6.20	8100	

1. PT NA SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
2. PROFILE STARTS AT OLACU
3. FAC: 135.87 FAF: NUCLI DIST FAF TO MAP: 6.00 THLD: 6.48
4. MIN. ALT: OLACU 9000, NUCLI 8100
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: LUYKI 11900

MAG VAR: 16E EPOCH YEAR: 1990

**MINIMUMS**

TAKEOFF:	<input type="checkbox"/> STANDARD	<input checked="" type="checkbox"/> X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	@										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	7040	1 1/4	1517	7040	1 1/2	1517	7040	3	1517	7040	3	1490	7040	3	1490
CIRCLING	7040	1 1/4	1490	7040	1 1/2	1490	7040	3	1490	7040	3	1490	7040	3	1490

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT UBIJO VIA V86 NORTHWEST BOUND, AND ARRIVALS AT GLUES VIA V257 NORTHBOUND.  
 SEE 8260-10

@ CAT A, B 1500-2, CAT C, D 1500-3

QUALITY  
&  
CHECKED

CITY AND STATE <b>BUTTE, MT</b>	ELEVATION: 5550 TDZE: 5523 AIRPORT NAME: <b>BERT MOONEY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) Y RWY 15, ORIG-A</b>  <b>01 JUL 2010</b>	SUP: AMDT: <b>ORIG</b> DATED <b>03/15/2007</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

CHART NOTE: CIRCLING NA NE OF RWY 15-33.



CITY AND STATE <b>BUTTE, MT</b>	ELEVATION: 5550 TDZE: 5523 AIRPORT NAME: <b>BERT MOONEY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) Y RWY 15, ORIG-A</b>  <b>01 JUL 2010</b>	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>03/15/2007</b>



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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
-----													
	SUSAP	KBTMK1SLUYK1EA				0	18018011925						M

QUALITY  
 &  
 CHECKED

CITY AND STATE <b>BUTTE, MT</b>	ELEVATION: <b>5550</b> TDZE: <b>5523</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) Y RWY 15, ORIG-A</b>  <b>01 JUL 2010</b>	SUP:
	AIRPORT NAME: <b>BERT MOONEY</b>			AMDT: <b>ORIG</b>
				DATED: <b>03/15/2007</b>

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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**(1) TAKEOFF MINIMUMS:**

**RWY 10, 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 237 FEET PER NM TO 1500.**  
**RWY 28, 300-1 OR STANDARD WITH A MINIMUM CLIMB OF 463 FEET PER NM TO 1300.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 10 - CLIMB HEADING 098.44 TO 2000 BEFORE PROCEEDING ON COURSE.**  
**RWY 28 - CLIMB HEADING 278.45 TO 1700 BEFORE TURNING RIGHT.**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 10, VEHICLE ON ROAD 200' FROM DER, ON CENTERLINE, 15' AGL/1104' MSL. HANGAR AND TREES BEGINNING 34' FROM DER, 203' RIGHT OF CENTERLINE, UP TO 100' AGL/1189' MSL. TREES AND TOWER BEGINNING 283' FROM DER, 322' LEFT OF CENTERLINE, UP TO 138' AGL/1332 MSL.**

**NOTE: RWY 28, TREES ON CENTERLINE, BEGINNING 3380' FROM DER, UP TO 100' AGL/1209' MSL. TREES BEGINNING AT DER, 222' RIGHT OF CENTERLINE, UP TO 100' AGL/1119' MSL. TREES BEGINNING AT DER, 191' LEFT OF CENTERLINE, UP TO 100' AGL/1119' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 10: 1332 MSL TOWER 405759.82N/0803817.94W, 1672 MSL TOWER 405618.00N/0803524.00W, 2538 MSL TOWER 410324.00N/0803843.00W.**  
**RWY 28: 2538 MSL TOWER 410324.00N/0803843.00W.**

QUALITY  
1  
CHECKED

(5) City, State

**YOUNGSTOWN, OH**

(6) Airport

**YOUNGSTOWN ELSER METRO**

(7) Effective Date

**01 JUL 2010**

(8) Amdt. No.

**1**

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ZERSI (IAF)	YACUD (NOPT) (FB)	318.04 / 5.00	4000	LPV: DA LNAV/VNAV: DA LNAV: RW23  CLIMB TO 3000 DIRECT ZAKOB AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SW, RT, 047.81 INBOUND. CHART FAS OBST: 1195 TANK 344941N/0824139W 1902 AAO 345344N/0823932W DISTANCE TO THLD FROM 297 HAT: 0.79 NM. CHART VDP AT 1.45 MILES TO RW23* *LNAV ONLY. WAAS CHANNEL # 42817 REFERENCE PATH ID: W23A
HELEV (IAF)	YACUD (NOPT) (FB)	137.96 / 5.00	4000	
YACUD (IF/IAF)	CUROM (FB)	228.00 / 3.86	3300	
CUROM	WIREN (FB)	227.97 / 3.86	2600	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD NE YACUD, RT, 228.00 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 227.94 FAF: WIREN DIST FAF TO MAP: 4.78 THLD: 4.78
4. MIN. ALT: YACUD 4000, CUROM 3300, WIREN 2600, ZISCO/2.50 NM TO RW23 1860\*
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 2600 GS ALT AT: WIREN 2600 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 4W                      EPOCH YEAR: 1995

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A	X								
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	1310	1	297	1310	1	297	1310	1	297	1310	1	297				
LNAV/VNAV DA	1548	2	535	1548	2	535	1548	2	535	1548	2	535				
LNAV MDA	1500	1	487	1500	1	487	1500	1 1/4	487	1500	1 1/2	487				
CIRCLING	1560	1	547	1560	1	547	1560	1 1/2	547	1660	2	647				

NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.  
 \*LNAV ONLY  
 SEE 8260-10



CITY AND STATE	ELEVATION: 1013 TDZE: 1013	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PICKENS, SC	AIRPORT NAME: PICKENS COUNTY		RNAV (GPS) RWY 23, ORIG-A	AMDT: ORIG
			01 JUL 2010	DATED 06/03/2010

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

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**NOTES CONT.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLEMSON ALTIMETER SETTING AND INCREASE LPV DA TO 1356, LNAV/VNAV DA TO 1594, AND ALL MDA 60 FEET; INCREASE LPV ALL CATS VISIBILITY 1/4**

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

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

**CHART NOTE: VDP NA WITH CLEMSON ALTIMETER SETTING.**

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	138/30 CW 183/30	138/8 CW 183/8	7900
2.	138/8 CW 183/8	YACUD (IF/IAF) (FO)	5000
3.	183/30 CW 245/30 (NOPT)	183/8 CW 245/8	5900
4.	183/8 CW 245/8	YACUD (IF/IAF) (FB)	4000
5.	245/30 CW 318/30 (NOPT)	YACUD (IF/IAF) (FB)	4000
6.	318/30 CW 048/30	ZERSI (IAF) (FB)	4600
7.	048/30 CW 138/30	048/8 CW 138/8	8100
8.	048/8 CW 138/8	HELEV (IAF) (FB)	5200

QUALITY  
CHECKED

CITY AND STATE  
**PICKENS, SC**

ELEVATION: 1013 TDZE: 1013  
AIRPORT NAME:  
**PICKENS COUNTY**

FACILITY IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
**RNAV (GPS) RWY 23, ORIG-A**  
**01 JUL 2010**

SUP:  
AMDT: **ORIG**  
DATED: **06/03/2010**

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

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLQK
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	344853.7200N
LTP/FTP LONGITUDE	0824149.5780W
LTP/FTP ELLIPSOIDAL HEIGHT	+02779
FPAP LATITUDE	344749.4100N
FPAP LONGITUDE	0824304.6000W
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 D4EA9824

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+03089
FPAP ORTHOMETRIC HEIGHT	+03089



CITY AND STATE PICKENS, SC	ELEVATION: 1013 TDZE: 1013	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: PICKENS COUNTY		RNAV (GPS) RWY 23, ORIG-A	AMDT: ORIG
			01 JUL 2010	DATED: 06/03/2010



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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	45678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	5678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	678901234567890123456789012345678901234567890123456789012345678901234567890123456789012	78901234567890123456789012345678901234567890123456789012345678901234567890123456789012	8901234567890123456789012345678901234567890123456789012345678901234567890123456789012	901234567890123456789012345678901234567890123456789012345678901234567890123456789012	01234567890123456789012345678901234567890123456789012345678901234567890123456789012	1234567890123456789012345678901234567890123456789012345678901234567890123456789012	234567890123456789012345678901234567890123456789012345678901234567890123456789012	34567890123456789012345678901234567890123456789012345678901234567890123456789012	4567890123456789012345678901234567890123456789012345678901234567890123456789012

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SUSAP KLQKK7PR23 RW23 001 0000W23AON3448537200W08241495780+027790300N3447494100W08243046000106751224000450F400500D4EA9824G  
 SUSAP KLQKK7PR23 RW23 002E +03089+03089LPV 42817 G

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CHECK

CITY AND STATE <b>PICKENS, SC</b>	ELEVATION: 1013 TDZE: 1013 AIRPORT NAME: <b>PICKENS COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 23, ORIG-A</b> <b>01 JUL 2010</b>	SUP: AMDT: <b>ORIG</b> DATED: <b>06/03/2010</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**LOC/DME BC STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.25**

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CDB VORTAC	KISIW/CDB VORTAC 22.00 DME	143.90 / 22.00	7200	MAP: RIDOY/CDB 6.20 DME FIX
ELF NDB	KISIW/CDB VORTAC 22.00 DME	144.31 / 23.79	7500	
URIME/CDB VORTAC 22.00 DME CW (IAF)	UYUYO/CDB VORTAC 22.00 DME (NOPT)	22.00 DME ARC	6800	CLIMB TO 4000 DIRECT CDB VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000; OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 4000 DIRECT ELF NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. (ADF REQUIRED).
UYUYO/CDB VORTAC 22.00 DME CW (IAF)	KISIW/CDB VORTAC 22.00 DME (NOPT)	22.00 DME ARC (CDB LR-138)	4600	
KISIW/CDB VORTAC 22.00 DME (IF/IAF)	ODOWO/CDB VORTAC 11.37 DME	324.36 / 10.63 (I-CDB)	2300	

**ADDITIONAL FLIGHT DATA:**  
HOLD NW, LT, 145.24 INBOUND.  
CHART: ALTERNATE MA HOLDING, HOLD NW ELF NDB, LT, 144.35 INBOUND.  
CHART FAS OBST: 235 VEGETATION 550912N/1624130W  
CHART 255 VEGETATION 550857N/1624121W.  
CHART CDB R-070 AT URIME.  
CHART CDB R-114 AT UYUYO.  
CHART IN PLANVIEW: ELFEE NDB.  
PABGE TO RW32: 3.09/45.  
CHART ELF BRG-074 AT URIME

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD SE KISIW, RT, 323.90 INBOUND, 4600 FT. IN LIEU OF PT (IAF)
- FAC 324.36 FAF ODOWO/CDB VORTAC 11.37 DME DIST FAF TO MAP        THLD 6.68
- MIN. ALT KISIW 4600, ODOWO 2300, PABGE/CDB 7.69 DME 1120
- MSA FROM: CDB VORTAC 090-270 7100, 270-360 3000, 360-090 6200

MAG VAR: 14E                      EPOCH YEAR:2005

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD											
CATEGORY =====>	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-32	540	1 1/4	451	540	1 1/4	451	540	1 1/4	451	540	1 1/4	451				
CIRCLING	540	1 3/4	444	560	1 3/4	464	560	1 3/4	464	660	2	564				

NOTES:  
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 26 AND STRAIGHT-IN/CIRCLING RWY 32 NA AT NIGHT.  
CHART NOTE: CIRCLING NA FOR CATS A AND B SW OF RWY 14-32 AT NIGHT.  
CHART NOTE: CIRCLING NA FOR CATS C AND D SW OF RWY 14-32.  
CHART NOTE: DME FROM CDB VORTAC. SIMULTANEOUS RECEPTION OF I-CDB AND CDB DME REQUIRED.  
SEE 8260-10



CITY AND STATE COLD BAY, AK	ELEVATION: 96    TDZE: 89	FACILITY IDENTIFIER: I-CDB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC/DME BC RWY 32, AMDT 9A  29 JUL 2010	SUP
	AIRPORT NAME:  COLD BAY			AMDT    9
	DATE    07/31/2008			

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

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

NOTES CONT.  
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
CHART PROFILE NOTE: DISREGARD GS INDICATIONS.  
CHART PROFILE NOTE: LOCALIZER UNUSABLE INSIDE CDB VORTAC 6.20 DME.



CITY AND STATE COLD BAY, AK	ELEVATION: 96 TDZE: 89 AIRPORT NAME: COLD BAY	FACILITY IDENTIFIER: I-CDB	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: LOC/DME BC RWY 32, AMDT 9A 29 JUL 2010	SUP:
				AMDT: 9
				DATED: 07/31/2008

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

ADDITIONAL FLIGHT DATA:

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

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

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

NOTES:  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE SAVOONGA, AK	ELEVATION: 53 TDZE: 53 AIRPORT NAME: SAVOONGA	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 05, ORIG 5/22/1997	SUP AMDT NONE DATE
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US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
YOJTO (IAF)	EPNOW (NOPT) (FB)	153.15 / 5.00	2800	<b>LNAV: HUNTY</b>  <b>CLIMB TO 2600 DIRECT COLRO AND ON TRACK 046.68 TO RUFZA AND HOLD.</b>  ADDITIONAL FLIGHT DATA: HOLD NE, RT, 229.91 INBOUND. CHART FAS OBST: 504 TREE 633906N/1703924W CHART 601 TREE 633913N/1703657W CHART VDP AT 1.59 MILES TO HUNTY. CENKA TO RW05: 3.36/40 FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.
NEDUW (IAF)	EPNOW (NOPT) (FB)	333.25 / 5.00	2800	
EPNOW (IF/IAF)	CENKA (FB)	063.20 / 6.01	2400	

- PT \_\_\_\_\_ SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- HOLD SW EPNOW, RT, 063.20 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
- FAC: 063.40 FAF: CENKA DIST FAF TO MAP: 6.00 THLD: 6.48
- MIN. ALT: EPNOW 2800, CENKA 2400, MACUP/2.60 NM TO HUNTY 1180
- 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: 10E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @											
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	740	1	687	740	1	687	740	2	687	740	2 1/4	687				
CIRCLING	740	1	687	740	1	687	740	2	687	740	2 1/4	687				

NOTES:  
 CHART NOTE: CIRCLING NA SOUTHEAST OF RWY 5-23.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.  
 SEE 8260-10

@ CAT D 800-2 1/4  
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>SAVOONGA, AK</b>	ELEVATION: 53 TDZE: 53 AIRPORT NAME: <b>SAVOONGA</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 5, ORIG, 07/29/2010</b> <b>29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

**NOTES CONT.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GAMBELL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, AND INCREASE VISIBILITY LNAV AND CIRCLING CAT B,C,D 1/4 MILE.**

**CHART NOTE: VDP NA WITH GAMBELL ALTIMETER SETTING.**

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	333/30 CW 153/30 (NOPT)	333/7 CW 153/7	3300
2.	333/7 CW 153/7	EPNOW (IF/IAF) (FB)	2800
3.	153/30 CW 243/30	YOJTO (IAF) (FB)	3100
4.	243/30 CW 333/30	NEDUW (IAF) (FB)	3700



CITY AND STATE <b>SAVOONGA, AK</b>	ELEVATION: 53 TDZE: 53 AIRPORT NAME: <b>SAVOONGA</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 5, ORIG, 07/29/2010</b> <b>29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

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

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**ARINC PACKET - 424-18 - RNAV (GPS)**

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

SCANEAEENRT CENKA PA0 W N63390118W170442211 E0096 NAR CENKA  
SCANEAEENRT COLRO PA0 W N63411685W170270900 E0097 NAR COLRO  
SCANEAEENRT EPNOW PA0 W N63371789W170571641 E0094 NAR EPNOW  
SCANEAEENRT HUNTY PA0 W N63404314W170312755 E0097 NAR HUNTY  
SCANEAEENRT MACUP PA0 W N63395910W170370338 E0096 NAR MACUP  
SCANEAEENRT NEDUW PA0 W N63323156W170540266 E0095 NAR NEDUW  
SCANEAEENRT RUFZA PA0 W N63462267W170093416 E0099 NAR RUFZA  
SCANEAEENRT YOJTO PA0 W N63420414W171003124 E0094 NAR YOJTO

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

SCANP PASAPAASVA 0 044YSN63410905W170294809E010000053 1800018000C MNAR SAVOONGA

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

SCANP PASAPAFR05 AEPNOW 010EPNOWPAEAOEE AR HF 06320040 + 02800 18000 B JS  
SCANP PASAPAFR05 ANEDUW 010NEDUWPAEAOE A IF 18000 B JS  
SCANP PASAPAFR05 ANEDUW 020EPNOWPAEAOEE B 010TF 33330050 + 02800 B JS  
SCANP PASAPAFR05 AYOJTO 010YOJTOPAEAOE A IF 18000 B JS  
SCANP PASAPAFR05 AYOJTO 020EPNOWPAEAOEE B 010TF 15320050 + 02800 B JS  
SCANP PASAPAFR05 R 010EPNOWPAEAOE I IF + 02800 18000 B JS  
SCANP PASAPAFR05 R 020CENKAPAEAE1E F 051TF 06320060 + 02400 B JS  
SCANP PASAPAFR05 R 020CENKAPAEAE2WN N ALNAV JS  
SCANP PASAPAFR05 R 021MACUPPAEAOE S 031TF 06340034 V 0118001192 -336 B JS  
SCANP PASAPAFR05 R 030HUNTYPAEAOEY M 031TF 06340026 00269 -336 B JS  
SCANP PASAPAFR05 R 040 0 M 010CA 0634 + 00453 B JS  
SCANP PASAPAFR05 R 050COLROPAEAOE 010DF B JS  
SCANP PASAPAFR05 R 060RUFZAPAEAOEY 010TF 0467 + 02600 B JS  
SCANP PASAPAFR05 R 070RUFZAPAEAOEE R020HM 22990040 + 02600 B JS

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

SCANP PASAPAGRW05 0044000496 N63405809W170303018+0000 +0020400052000040100R

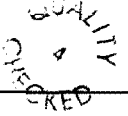
CITY AND STATE  
SAVOONGA, AK

ELEVATION: 53 TDZE: 53  
AIRPORT NAME:  
SAVOONGA

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 5, ORIG, 07/29/2010  
29 JUL 2010

SUP:  
AMDT: NONE  
DATED:



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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	EPNOW	EPNOW	010	IAF	HF	R	FO		063.2(073.2T)	004.0	02800
	NEDUW	NEDUW	010	IAF	IF						
	NEDUW	EPNOW	020	IF	TF		FB	1.0	333.3(343.3T)	005.0	02800
	YOJTO	YOJTO	010	IAF	IF						
	YOJTO	EPNOW	020	IF	TF		FB	1.0	153.2(163.2T)	005.0	02800
		EPNOW	010	FACF	IF						02800
		CENKA	020	FAP	TF		FB	0.5	063.2(073.2T)	006.0	02400
		MACUP	021	SDF	TF		FB	0.3	063.4(073.4T)	003.4	0118001192
		HUNTY	030	MAP	TF		FO	0.3	063.4(073.4T)	002.6	00269

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
		040		CA			1.0	063.4(073.4T)		00453
	COLRO	050		DF		FB	1.0			
	RUFZA	060		TF		FO	1.0	046.7(056.7T)		02600
	RUFZA	070		HM	R	FO	2.0	229.9(239.9T)	004.0	02600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CENKA	N633901.18	W1704422.11	N6339.020	W17044.369
	COLRO	N634116.85	W1702709.00	N6341.281	W17027.150
	EPNOW	N633717.89	W1705716.41	N6337.298	W17057.274
	HUNTY	N634043.14	W1703127.55	N6340.719	W17031.459
	MACUP	N633959.10	W1703703.38	N6339.985	W17037.056
	NEDUW	N633231.56	W1705402.66	N6332.526	W17054.044
	RUFZA	N634622.67	W1700934.16	N6346.378	W17009.569
	YOJTO	N634204.14	W1710031.24	N6342.069	W17100.521
	RW05	N634058.09	W1703030.18	N6340.968	W17030.503

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	00052	40



CITY AND STATE <b>SAVOONGA, AK</b>	ELEVATION: 53 TDZE: 53 AIRPORT NAME: <b>SAVOONGA</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 5, ORIG, 07/29/2010</b> <b>29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
COVLU (IAF)	RUFZA (NOPT) (FB)	319.99 / 5.00	2600	<b>LNAV: RW23</b>  <b>CLIMBING RIGHT TURN TO 2600 DIRECT RUFZA AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>CHART FAS OBST: 208 WINDMILL 634129N/1702953W</b> <b>CHART VDP AT 2.83 MILES TO RW23.</b> <b>REJXO TO RW23: 3.03/50</b>
HIDOT (IAF)	RUFZA (NOPT) (FB)	139.83 / 5.00	2600	
RUFZA (IF/IAF)	REJXO (FB)	229.91 / 6.01	1400	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD NE RUFZA, RT, 229.91 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
- FAC: 229.74 FAF: REJXO DIST FAF TO MAP: 4.04 THLD: 4.04
- MIN. ALT: RUFZA 2600, REJXO 1400
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 10E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	520	1	468	520	1	468	520	1 1/4	468	520	1 1/2	468			
CIRCLING	560	1	507	560	1	507	560	1 1/2	507	620	2	567			

NOTES:  
 CHART NOTE: CIRCLING NA SOUTHEAST OF RWY 5-23.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GAMBELL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, AND INCREASE VISIBILITY LNAV AND CIRCLING CATS C,D 1/4 MILE.  
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE



CITY AND STATE <b>SAVOONGA, AK</b>	ELEVATION: 53 TDZE: 52 AIRPORT NAME: <b>SAVOONGA</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 23, ORIG, 07/29/2010</b> <b>29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED

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

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

NOTES CONT.

CHART NOTE: VDP NA WITH GAMBELL ALTIMETER SETTING.

TAA	FROM	TO	ALT
1.	140/30 CW 320/30 (NOPT)	RUFZA (IF/AF) (FB)	2600
2.	320/30 CW 050/30	COVLU (IAF) (FB)	3700
3.	050/30 CW 140/30	HIDOT (IAF) (FB)	3200



CITY AND STATE <b>SAVOONGA, AK</b>	ELEVATION: 53 TDZE: 52 AIRPORT NAME: <b>SAVOONGA</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 23, ORIG, 07/29/2010</b> <b>29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:



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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	COVLU	COVLU	010	IAF	IF						
	COVLU	RUFZA	020	IF	TF		FB	1.0	320.0(330.0T)	005.0	02600
	HIDOT	HIDOT	010	IAF	IF						
	HIDOT	RUFZA	020	IF	TF		FB	1.0	139.8(149.8T)	005.0	02600
	RUFZA	RUFZA	010	IAF	HF	R	FO		229.9(239.9T)	004.0	02600
		RUFZA	010	FACF	IF						02600
		REJXO	020	FAF	TF		FB	0.5	229.9(239.9T)	006.0	01400
		RW23	030	MAP	TF		FO	0.3	229.7(239.7T)	004.0	00100

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA			1.0	229.7(239.7T)		00453
	RUFZA	050		DF	R	FO	1.0			02600
	RUFZA	060		HM	R	FO	2.0	229.9(239.9T)	004.0	02600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COVLU	N634203.81	W1700356.20	N6342.064	W17003.937
	HIDOT	N635041.31	W1701513.84	N6350.689	W17015.231
	REJXO	N634321.90	W1702116.12	N6343.365	W17021.269
	RUFZA	N634622.67	W1700934.16	N6346.378	W17009.569
	RW23	N634120.00	W1702906.00	N6341.333	W17029.100

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23	00050	50



CITY AND STATE <b>SAVOONGA, AK</b>	ELEVATION: 53 TDZE: 52 AIRPORT NAME: <b>SAVOONGA</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 23, ORIG, 07/29/2010</b> <b>29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

### TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

**RWY 5, STANDARD**

**RWY 23, STANDARD WITH MINIMUM CLIMB OF 250' PER NM TO 1000, OR 1600-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 5- AIRCRAFT DEPARTING VIA ULL R-260 CW R-080 CLIMB ON COURSE, ALL OTHERS CLIMB VIA ULL R-059 TO 2200 BEFORE TURNING SOUTH.**

**RWY 23- AIRCRAFT DEPARTING VIA ULL R-260 CW R-080 CLIMB ON COURSE, ALL OTHERS CLIMBING RIGHT TURN DIRECT ULL VOR/DME THEN VIA ULL R-059 TO 2200 BEFORE TURNING SOUTH. FOR CLIMB IN VISUAL CONDITIONS: CROSS SAVOONGA AIRPORT AT OR ABOVE 1500, THEN PROCEED ON ULL R-059 TO 2200.**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 23, TREES 2791' FROM DER, 140' LEFT OF CENTERLINE, 20' AGL/140' MSL. RISING TERRAIN BEGINNING 590' FROM DER, 351' LEFT OF CENTERLINE, UP TO 99' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 5: 2409 MSL AAO 633530.00N-1702251.00W.**

**RWY 23: 650 MSL AAO 633903.00N-1703754.00W, 2409 MSL AAO 633530.00N-1702254.00W.**

**VCOA: 1090 MSL AAO 633800.00N-1703030.00W.**



(5) City, State <b>SAVOONGA, AK</b>	(6) Airport <b>SAVOONGA</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>1</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**VOR STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.23**

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: ULL VOR/DME
GAM NDB/DME	ULL VOR/DME	086.50 / 34.22	3000	CLIMBING RIGHT TURN TO 3300 VIA HEADING 090 AND ULL VOR/DME R-059 THEN LEFT TURN VIA ULL VOR/DME R-059 TO ULL VOR/DME AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD NE, RT, 229.00 INBOUND. CHART FAS OBST: 252 TREE 634024N/1702748W CHART VDP AT 1.30 DME; DISTANCE VDP TO THLD 1.76 MILES. CHART 3000 PRIOR TO ULL VOR/DME IN PROFILE CHART MAXIMUM 6000 AT ULL VOR/DME

1. PT L SIDE OF COURSE 049.00 OUTBOUND 2000 FT WITHIN 10 MILES OF ULL VOR/DME (IAF)  
 2. \_\_\_\_\_  
 3. FAC 229.00 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_  
 4. MIN. ALT \_\_\_\_\_  
 8. MSA FROM: ULL VOR/DME 080-260 3500, 260-080 2500

MAG VAR: 10E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @											
CATEGORY =====>	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-23	660	1	608	660	1	608	660	1 3/4	608	660	2	608				
CIRCLING	660	1	607	660	1	607	660	1 3/4	607	660	2	607				

**NOTES:**

CHART NOTE: CIRCLING NA SOUTHEAST OF RWY 5-23.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GAMBELL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, AND INCREASE S-23 CAT C-D AND CIRCLING CAT C-D VISIBILITY 1/4 MILE.  
 CHART NOTE: VDP NA WITH GAMBELL ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
1  
CHECKED

CITY AND STATE <b>SAVOONGA, AK</b>	ELEVATION: 53 TDZE: 52	FACILITY IDENTIFIER: <b>ULL</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>VOR RWY 23, AMDT 1, 07/29/2010</b>  <b>29 JUL 2010</b>	SUP
	AIRPORT NAME:  <b>SAVOONGA</b>			AMDT <b>ORIG-B</b>
				DATE <b>10/24/1996</b>

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: ULL VOR/DME
GAM NDB/DME	ULL VOR/DME	086.50 / 34.22	3000	<b>CLIMBING RIGHT TURN TO 3300 VIA HEADING 090 AND VIA ULL VOR/DME R-059 THEN LEFT TURN VIA ULL VOR/DME R-059 TO ULL VOR/DME AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD NE, RT, 229.00 INBOUND.</b> <b>CHART FAS OBST: 242 TREE 634027N/1702754W</b> <b>CHART VDP AT 1.11 DME;</b> <b>DISTANCE VDP TO THLD 1.57 MILES.</b> <b>CHART 3000 PRIOR TO ILOCE IN PROFILE.</b> <b>ILOCE TO RW23: 2.96/50.</b> <b>CHART (DMYXZ) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE.</b>
ULL VOR/DME	ILOCE/ULL 4.00 DME	049.00 / 4.00	3000	
ITHOD/ULL 19.49 DME (IAF)	ALYAN/ULL 11.00 DME (NOPT)	278.00 / 4.55 (HDG) & 229.00 / 5.15 (ULL R-049)	2000	
ALYAN/ULL 11.00 DME (IF)	ILOCE/ULL 4.00 DME	229.00 / 7.00 (ULL R-049)	1500	

- PT L SIDE OF COURSE 049.00 OUTBOUND 2000 FT WITHIN 10 MILES OF ILOCE (IAF)
- 
- FAC 229.00 FAF ILOCE/ULL 4.00 DME DIST FAF TO MAP \_\_\_\_\_ THLD 4.46
- MIN. ALT ILOCE 1500
- MSA FROM: ULL VOR/DME 080-260 3500, 260-080 2500

MAG VAR: 10E EPOCH YEAR: 2010

MINIMUMS																
TAKEOFF:	STANDARD <input checked="" type="checkbox"/> SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N/A			STANDARD @						
CATEGORY =====>	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-23	600	1	548	600	1	548	600	1 1/2	548	600	1 3/4	548				
CIRCLING	600	1	547	600	1	547	600	1 1/2	547	620	2	567				

NOTES:  
**CHART NOTE: CIRCLING NA SOUTHEAST OF RWY 5-23.**  
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GAMBELL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, AND INCREASE S-23 CAT C-D AND CIRCLING CAT C VISIBILITY 1/4 MILE.**  
**CHART NOTE: VDP NA WITH GAMBELL ALTIMETER SETTING.**

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>SAVOONGA, AK</b>	ELEVATION: 53 TDZE: 52	FACILITY IDENTIFIER: <b>ULL</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>VOR/DME RWY 23, AMDT 1, 07/29/2010</b>  <b>29 JUL 2010</b>	SUP VOR/DME OR GPS RWY 23
	AIRPORT NAME:  <b>SAVOONGA</b>			AMDT ORIG-C
				DATE 02/16/2006

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

CANCELED EFFECTIVE 29 JUL 2010

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**(4) CONTROLLING OBSTACLES:**



(5) City, State

**CENTRE, AL**

(6) Airport

**CENTRE MUNI**

(7) Effective Date

**29 JUL 2010**

(8) Amdt. No.

**ORIG**

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

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

**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE


ADDITIONAL FLIGHT DATA:

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

2.       

3. FAC        FAF        DIST FAF TO MAP        THLD       

4. MIN. ALT       

8. MSA FROM:       

MAG VAR:        EPOCH YEAR:       

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE CENTRE, AL	ELEVATION: 619 TDZE: 619	FACILITY IDENTIFIER: RMG	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME OR GPS RWY 27, AMDT 1A, 03/02/1993	SUP
	AIRPORT NAME: CENTRE MUNI			AMDT 1
				DATE 06/15/1978

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
OWURA (IAF)	UMELY (NOPT) (FB)	271.03 / 5.00	2700	LPV: DA LNAV/VNAV: DA LNAV: RW18  CLIMB TO 3000 DIRECT QEDLU AND ON TRACK 118.40 TO OALDY AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 309.38 INBOUND. CHART FAS OBST: 519 TREE 312009N/0852650W DISTANCE TO THLD FROM 358 HAT: 1.00 NM. WAAS CHANNEL # 49118 REFERENCE PATH ID: W18A
IKIQU (IAF)	UMELY (NOPT) (FB)	090.93 / 5.00	2700	
UMELY (IF/IAF)	WAPCE (FB)	180.98 / 6.05	2000	

- PT            SIDE OF COURSE            OUTBOUND            FT WITHIN            MILES OF            (IAF)
- HOLD N UMELY, RT, 180.98 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
- FAC: 180.98 FAF: WAPCE DIST FAF TO MAP: 4.85 THLD: 4.85
- MIN. ALT: UMELY 2700, WAPCE 2000, MEBDY/1.50 NM TO RW18 900\*
- DIST TO THLD FROM OM:            MM:            IM:            150 HAT:            100 HAT:            GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: WAPCE 2000 OM:            MM:            IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 1W EPOCH YEAR: 1985

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A	STANDARD @				
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	751	1 1/4	358	751	1 1/4	358	751	1 1/4	358	751	1 1/4	358			
LNAV/VNAV DA	809	1 1/2	416	809	1 1/2	416	809	1 1/2	416	809	1 1/2	416			
LNAV MDA	800	1	407	800	1	407	800	1 1/4	407	800	1 1/4	407			
CIRCLING	860	1	459	860	1	459	860	1 1/2	459	980	2	579			

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING CAIRNS AAF ALTIMETER SETTING.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>DOTHAN, AL</b>	ELEVATION: 401 TDZE: 393 AIRPORT NAME: <b>DOTHAN RGNL</b>	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1 29 JUL 2010	SUP: AMD T: <b>ORIG-B</b> DATED <b>06/05/2008</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

NOTES CONT.

\*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CAIRNS AAF ALTIMETER SETTING AND INCREASE ALL DA 46 FEET AND ALL MDA 60 FEET AND INCREASE LPV AND LNAV/VNAV ALL CATS AND LNAV CATEGORY VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	091/30 CW 271/30 (NOPT)	UMELY (IF/IAF) (FB)	2700
2.	271/30 CW 001/30	OWURA (IAF) (FB)	2700
3.	001/30 CW 091/30	IKIKU (IAF) (FB)	2700



CITY AND STATE DOTHAN, AL	ELEVATION: 401 TDZE: 393 AIRPORT NAME: DOTHAN RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG-B
				DATED: 06/05/2008

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDHN
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	311930.6080N
LTP/FTP LONGITUDE	0852644.0305W
LTP/FTP ELLIPSOIDAL HEIGHT	+00930
FPAP LATITUDE	311801.3100N
FPAP LONGITUDE	0852643.9900W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

**CRC REMAINDER** EAE86EF4

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01199
FPAP ORTHOMETRIC HEIGHT	+01199

QUALITY  
2  
CHECKED

CITY AND STATE DOTHAN, AL	ELEVATION: 401 TDZE: 393	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1 29 JUL 2010	SUP:
	AIRPORT NAME: DOTHAN RGNL			AMDT: ORIG-B
				DATED: 06/05/2008





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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ZABGA (IAF)	VIMLY (NOPT) (FB)	090.93 / 5.00	2500	LNAV: RW36
COSOT (IAF)	VIMLY (NOPT) (FB)	271.03 / 5.00	2500	CLIMB TO 3000 DIRECT WAPCE AND ON TRACK 042.15 TO HAVSO AND HOLD.
VIMLY (IF/IAF)	QEDLU (FB)	000.98 / 6.05	2000	
				ADDITIONAL FLIGHT DATA: HOLD N, LT, 202.06 INBOUND. CHART FAS OBST: 489 TREE 311822N/0852639W CHART 628 TOWER 311412N/0852613W. QEDLU TO RW36: 3.04/40.

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD S VIMLY, RT, 000.98 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
- FAC: 000.98 FAF: QEDLU DIST FAF TO MAP: 4.90 THLD: 4.90
- MIN. ALT: VIMLY 2500, QEDLU 2000, INUME/1.70 NM TO RW36 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: 1W EPOCH YEAR: 1985

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @											
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	800	1	422	800	1	422	800	1 1/4	422	800	1 1/4	422				
CIRCLING	860	1	459	860	1	459	860	1 1/2	459	980	2	579				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CAIRNS AAF ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND LNAV CAT D VISIBILITY 1/4 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
CHECKED

CITY AND STATE DOOTHAN, AL	ELEVATION: 401 TDZE: 378 AIRPORT NAME: DOOTHAN RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

TAA

	FROM	TO	ALT
1.	271/30 CW 091/30 (NOPT)	271/10 CW 091/10	3100
2.	271/10 CW 091/10	VIMLY (IF/AF) (FB)	2500
3.	091/30 CW 181/30	ZABGA (IAF) (FB)	2500
4.	181/30 CW 271/30	COSOT (IAF) (FB)	2500

QUALITY  
CHECKED

CITY AND STATE

DOTHAN, AL

ELEVATION: 401 TDZE: 378

AIRPORT NAME:

DOTHAN RGNL

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:



**ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
FAR PART 97.29**

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
DCU VOR/DME	JASEX INT/DCU 13.40 DME	037.40 / 13.40 (RQZ LR-267)	3000	<b>ILS: DA</b> <b>LOC: 4.41 MILES AFTER FEKER INT</b>  CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DCU VOR/DME AND HOLD; OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 3000 ON HEADING 182 AND RQZ VORTAC R-211 TO MASHA INT/MSL VORTAC 32.73 DME AND HOLD NW, LT, 120.63 INBOUND.  ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NW MASHA INT/MSL 32.73 DME, LT, 120.63 INBOUND. CHART FAS OBST: 805 TOWER 344133N/0864704W CHART: ASR CHART R2104A, R2104B, R2104C. CHART WHEELER NATIONAL WILDLIFE REFUGE. CHART IN PLANVIEW: MASHA INT/MSL 32.73 DME. CHART LOC RWY 18L
RQZ VORTAC	JASEX INT/DCU 13.40 DME	282.59 / 7.39	3000	
JASEX INT/DCU 13.40 DME (IF/IAF)	GETEC INT	181.95 / 3.60 (I-HSV)	2500	
GETEC INT	FEKER INT	181.95 / 2.50 (I-HSV)	2100	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD N JASEX, RT, 181.95 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 181.95 FAF: FEKER INT DIST FAF TO MAP: 4.41 THLD: 4.41
- MIN. ALT: JASEX 3000, GETEC 2500, FEKER 2100
- DIST TO THLD FROM OM: 4.41 MM: 0.45 IM: 859 150 HAT: - 100 HAT: 729 GS ANT: 1079
- MIN GS INCPT: 2100 GS ALT AT: FEKER 2100 GS INTCP        OM: - MM: 829 IM: 729
- GS ANGLE: 3.00 TCH: 50.0
- MSA FROM: DCU VOR/DME 3700

MAG VAR: 1W EPOCH YEAR: 1990

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: STANDARD #	LOC: STANDARD @									
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 18R	829	1800	200	829	1800	200	829	1800	200	829	1800	200	829	1800	200
S-LOC 18R	1060	2400	431	1060	2400	431	1060	4000	431	1060	5000	431	1060	5000	431
CIRCLING	1160	1	531	1160	1	531	1160	1 1/2	531	1240	2	611	1240	2 1/4	611

NOTES:  
 CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 18R: DA 729 MSL, 105 RA, RVR 1200, HAT 100; CATS A, B, C, D.  
 CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE S-ILS 18R CAT E VISIBILITY TO RVR 4000 AND S-LOC 18R CAT E VISIBILITY TO 1 1/2 MILES, WHEN USING DECATUR ALTIMETER SETTING INCREASE S-ILS 18R CAT E SEE 8260-10

# CAT D 700-2, CAT E 700-2 1/4  
 @ CAT E 800-2 1/4  
 # @ NA WHEN CONTROL TOWER CLOSED.  
 # @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
1  
CHECKED

CITY AND STATE <b>HUNTSVILLE, AL</b>	ELEVATION: 629 TDZE: 629 AIRPORT NAME: <b>HUNTSVILLE INTL-CARL T JONES FIELD</b>	FACILITY IDENTIFIER: <b>I-HSV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>ILS OR LOC RWY 18R, AMDT 24A ILS RWY 18R (CAT II) 29 JUL 2010</b>	SUP: AMDT: <b>24</b> DATED <b>09/25/2008</b>
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**ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

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

NOTES CONT.

VISIBILITY TO RVR 4000, AND S-LOC 18R CAT E VISIBILITY TO 1 3/4.

CHART NOTE: CIRCLING NA FOR CAT E EAST OF RWY 18L-36R.

CHART NOTE: CAT II MINIMUMS NA WHEN CONTROL TOWER CLOSED.

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

S-ILS 18R DA TO 854 AND ALL MDAS 40 FEET, AND INCREASE S-LOC 18R CAT E VISIBILITY TO RVR 6000.

CAT II MINIMUMS NA.

QUALITY  
1  
CHECKED

CITY AND STATE  
HUNTSVILLE, AL

ELEVATION: 629 TDZE: 629  
AIRPORT NAME:  
HUNTSVILLE INTL-CARL T JONES FIELD

FACILITY  
IDENTIFIER:  
I-HSV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
ILS OR LOC RWY 18R, AMDT 24A  
ILS RWY 18R (CAT II)  
29 JUL 2010

SUP:  
AMDT: 24  
DATED: 09/25/2008

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
RESGE/MSL VORTAC 7.00 DME CW (IAF)	HUPOK/MSL VORTAC 7.00 DME	7.00 DME ARC (MSL LR-098)	2400	ILS: DA LOC: 4.21 MILES AFTER DOPES OM/MSL VORTAC 1.41 DME OR AT MSL VORTAC 5.60 DME FIX  CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3000 VIA MSL VORTAC R-291 TO OAKLA INT/MSL VORTAC 18.00 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3000 VIA HAB VORTAC R-027 TO HAB VORTAC AND HOLD N, RT, 169.28 INBOUND.  ADDITIONAL FLIGHT DATA: HOLD W, RT, 110.98 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N HAB VORTAC, RT, 169.28 INBOUND. CHART FAS OBST: 669 TREE 344426N/0873514W 819 AAO 344311N/0873055W CHART MSL R-001 AT RESGE. CHART MSL R-153 AT YOSNU. CHART IN PLANVIEW: HAB VORTAC. CHART COLUMBUS 2/4 MOA.
YOSNU/MSL VORTAC 7.00 DME CCW (IAF)	HUPOK/MSL VORTAC 7.00 DME	7.00 DME ARC (MSL LR-132)	2400	
HUPOK/MSL VORTAC 7.00 DME (IF)	DOPES OM/MSL VORTAC 1.41 DME	294.11 / 8.38 (I-MSL)	2000	
1. PT <u>L</u> SIDE OF COURSE <u>114.11</u> OUTBOUND <u>2400</u> FT WITHIN <u>10</u> MILES OF <u>MSL VORTAC</u> (IAF) 2. 3. FAC: <u>294.11</u> FAF: <u>DOPES OM/MSL VORTAC 1.41 DME</u> DIST FAF TO MAP: <u>4.21</u> THLD: <u>4.21</u> 4. MIN. ALT: <u>HUPOK 2400, DOPES OM 2000, GUBYY/MSL VORTAC 4.00 DME 1060*</u> 5. DIST TO THLD FROM OM: <u>4.21</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1123</u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>GS INTCP 2000</u> OM: <u>1966</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>59.1</u> 8. MSA FRCM: <u>MSL VORTAC 360-090 3200, 090-360 2700</u>				MAG VAR: 0E EPOCH YEAR: 1985

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A	ILS: STANDARD #			LOC: STANDARD @				
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 29	751	1/2	200	751	1/2	200	751	1/2	200	751	1/2	200			
S-LOC 29	1060	1/2	509	1060	1/2	509	1060	1	509	1060	1	509			
CIRCLING	1060	1	509	1060	1	509	1060	1 1/2	509	1120	2	569			
GUBYY FIX MINIMUMS															
S-LOC 29	920	1/2	369	920	1/2	369	920	1/2	369	920	3/4	369			
CIRCLING	1040	1	489	1040	1	489	1040	1 1/2	489	1120	2	569			

NOTES:  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DECATUR ALTIMETER SETTING: INCREASE ALL # @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 DA 83 FT; ALL MDA 100 FEET AND INCREASE S-LOC 29 CAT C VISIBILITY 1/4 MILE AND CAT D VISIBILITY 1/2 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE; INCREASE GUBYY FIX MINIMUMS S-LOC 29 CAT C AND D VISIBILITY 1/4 MILE.  
 SEE 8260-10

CITY AND STATE	ELEVATION: 551 TDZE: 551	FACILITY IDENTIFIER: I-MSL	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MUSCLE SHOALS, AL	AIRPORT NAME: NORTHWEST ALABAMA RGNL		ILS OR LOC RWY 29, AMDT 5 29 JUL 2010	AMDT: 4B
				DATED 04/09/2009

**ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

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**NOTES CONT.**

**CHART NOTE: DME FROM MSL VORTAC.**

**CHART NOTE: SIMULTANEOUS RECEPTION OF I-MSL AND MSL VORTAC DME REQUIRED FOR GUBY FIX MINIMUMS.**

**CHART NOTE: FOR INOPERATIVE MALSR WHEN USING DECATUR ALTIMETER SETTING, INCREASE S-ILS 29 ALL CATS VISIBILITY TO 1 MILE.**

**CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 18 NA AT NIGHT.**

**CHART PROFILE NOTE: \*LOC ONLY**

**CHART PROFILE NOTE: \*1160 WHEN USING DECATUR ALTIMETER SETTING.**

CITY AND STATE

MUSCLE SHOALS, AL

ELEVATION: 551 TDZE: 551

AIRPORT NAME:

NORTHWEST ALABAMA RGNL

FACILITY IDENTIFIER:

I-MSL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 29, AMDT 5

29 JUL 2010

SUP:

AMDT: 4B

DATED: 04/09/2009

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
YELYU (IAF)	JOBTA (NOPT) (FB)	204.00 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW11  CLIMB TO 2700 DIRECT HUPOK AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 294.24 INBOUND. CHART FAS OBST: 638 TREE 344517N/0873801W CHART FAS OBST: 659 TREE 344554N/0873755W DISTANCE TO THLD FROM 304 HAT: 0.79 NM. CHART VDP AT 1.01 MILES TO RW11* *LNAV ONLY. WAAS CHANNEL # 90518 REFERENCE PATH ID: W11A CHART COLUMBUS 2/4 MOA.
HAMOM (IAF)	JOBTA (NOPT) (FB)	023.96 / 5.00	3000	
JOBTA (IF/IAF)	MIVGE (FB)	113.98 / 6.03	2300	

1. PT          SIDE OF COURSE          OUTBOUND          FT WITHIN          MILES OF          (IAF)
2. HOLD NW JOBTA, RT, 113.98 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 114.04 FAF: MIVGE DIST FAF TO MAP: 5.27 THLD: 5.27
4. MIN. ALT. JOBTA 3000, MIVGE 2300, WEKUB/2.20 NM TO RW11 1300\*
5. DIST TO THLD FROM OM: MM:          IM:          150 HAT:          100 HAT:          GS ANT:
6. MIN GS INCPT: 2300 GS ALT AT: MIVGE 2300 OM:          MM:          IM:
7. GS ANGLE: 3.00 TCH: 55.8 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 0E                      EPOCH YEAR: 1985

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @											
CATEGORY <====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	848	1	304	848	1	304	848	1	304	848	1	304				
LNAV/VNAV DA	983	1 1/2	439	983	1 1/2	439	983	1 1/2	439	983	1 1/2	439				
LNAV MDA	920	1	376	920	1	376	920	1	376	920	1 1/4	376				
CIRCLING	1040	1	489	1040	1	489	1040	1 1/2	489	1120	2	569				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 \*LNAV ONLY  
 CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 18 NA AT NIGHT.  
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>MUSCLE SHOALS, AL</b>	ELEVATION: 551    TDZE: 544 AIRPORT NAME: <b>NORTHWEST ALABAMA RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11, AMDT 1 29 JUL 2010</b>	SUP: AMDT:    ORIG DATED    04/15/2004
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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**NOTES CONT.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE DECATUR ALTIMETER SETTING AND INCREASE ALL DA 83 FEET AND ALL MDA 100 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, AND LNAV CAT C AND D VISIBILITY 1/4 MILE.**

**CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16 C (4 F) OR ABOVE 48 C (118 F).**

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

**CHART NOTE: VDP NA WITH DECATUR ALTIMETER SETTING.**

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	024/30 CW 204/30 (NOPT)	JOBTA (IF/IAF) (FB)	3000
2.	204/30 CW 294/30	YELYU (IAF) (FB)	3000
3.	294/30 CW 024/30	HAMOM (IAF) (FB)	3000

CITY AND STATE

MUSCLE SHOALS, AL

ELEVATION: 551 TDZE: 544

AIRPORT NAME:

NORTHWEST ALABAMA RGNL

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 11, AMDT 1

29 JUL 2010

SUP:

AMDT: ORIG

DATED: 04/15/2004

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

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSL
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	344456.4270N
LTP/FTP LONGITUDE	0873701.2425W
LTP/FTP ELLIPSOIDAL HEIGHT	+01382
FPAP LATITUDE	344419.9800N
FPAP LONGITUDE	0873522.5500W
THRESHOLD CROSSING HEIGHT (TCH)	00055.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0712
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 9169BC19

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01652
FPAP ORTHOMETRIC HEIGHT	+01652

CITY AND STATE MUSCLE SHOALS, AL	ELEVATION: 551 TDZE: 544	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, AMDT 1 29 JUL 2010	SUP:
	AIRPORT NAME: NORTHWEST ALABAMA RGNL			AMDT: ORIG
				DATED: 04/15/2004



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

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1 2 3 4 5 6 7 8 9 0 1 2 3  
PP 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012  
-----  
SUSAP KMSLK7PR11 RW11 001 0000W11A0N3444564270W08737012425+013820300N3444199800W08735225500106750712000558F4005009169BC19  
SUSAP KMSLK7PR11 RW11 002E +01652+01652LPV 90518

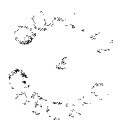
CITY AND STATE  
**MUSCLE SHOALS, AL**

ELEVATION: 551 TDZE: 544  
AIRPORT NAME:  
**NORTHWEST ALABAMA RGNL**

FACILITY IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
**RNAV (GPS) RWY 11, AMDT 1**  
**29 JUL 2010**

SUP:  
AMDT: **ORIG**  
DATED: **04/15/2004**



TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CRIMP (IAF)	HUPOK (NOPT) (FB)	024.22 / 5.00	2700	LPV: DA LNAV/VNAV: DA LNAV: RW29  CLIMB TO 3000 DIRECT JOBTA AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NW, RT, 113.98 INBOUND. CHART FAS OBST: 688 TRMSN TWR 344442N/0873442W CHART FAS OBST: 689 TREE 344443N/0873517W DISTANCE TO THLD FROM 200 HAT: 0.44 NM. CHART VDP AT 1.16 MILES TO RW29* *LNAV ONLY. WAAS CHANNEL # 40000 REFERENCE PATH ID: W29A CHART COLUMBUS 2/4 MOA.
TIJLU (IAF)	HUPOK (NOPT) (FB)	204.26 / 5.00	2700	
HUPOK (IF/IAF)	TICVU (FB)	294.24 / 8.27	2000	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD SE HUPOK, RT, 294.24 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
3. FAC: 294.16 FAF: TICVU DIST FAF TO MAP: 4.31 THLD: 4.31
4. MIN. ALT: HUPOK 2700, TICVU 2000, DIXLI/2.50 NM TO RW29 1400\*
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 2000 GS ALT AT: TICVU 2000 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 59.1 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 0E EPOCH YEAR: 1985

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: NA	STANDARD @				
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	751	1/2	200	751	1/2	200	751	1/2	200	751	1/2	200			
LNAV/VNAV DA	975	1	424	975	1	424	975	1	424	975	1	424			
LNAV MDA	980	1/2	429	980	1/2	429	980	3/4	429	980	1	429			
CIRCLING	1040	1	489	1040	1	489	1040	1 1/2	489	1120	2	569			

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 \*LNAV ONLY  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16 C (4 F) OR ABOVE 47 C (116 F).  
 SEE 8260-10

CITY AND STATE <b>MUSCLE SHOALS, AL</b>	ELEVATION: 551 TDZE: 551 AIRPORT NAME: <b>NORTHWEST ALABAMA RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 29, AMDT 1 29 JUL 2010</b>	SUP: AMDT: <b>ORIG</b> DATED <b>04/15/2004</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE DECATUR ALTIMETER SETTING AND INCREASE ALL DA 83 FEET AND ALL MDA 100 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C AND D VISIBILITY 1/4 MILE.

CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 18 NA AT NIGHT.

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

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING DECATUR ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 MILE.

CHART NOTE: VDP NA WITH DECATUR ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	204/30 CW 024/30 (NOPT)	204/20 CW 024/20	3200
2.	204/20 CW 024/20	HUPOK (IF/IAF) (FB)	2700
3.	024/30 CW 114/30	CRIMP (IAF) (FB)	2700
4.	114/30 CW 204/30	114/15 CW 204/15	3200
5.	114/15 CW 204/15	TIJLU (IAF) (FB)	2700



CITY AND STATE MUSCLE SHOALS, AL	ELEVATION: 551 TDZE: 551	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: NORTHWEST ALABAMA RGNL		RNAV (GPS) RWY 29, AMDT 1	AMDT: ORIG
			29 JUL 2010	DATED: 04/15/2004

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSL
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	344429.3900N
LTP/FTP LONGITUDE	0873548.0210W
LTP/FTP ELLIPSOIDAL HEIGHT	+01407
FPAP LATITUDE	344456.4300N
FPAP LONGITUDE	0873701.2400W
THRESHOLD CROSSING HEIGHT (TCH)	00059.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	100.50
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 11E3B47E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01677
FPAP ORTHOMETRIC HEIGHT	+01677



CITY AND STATE MUSCLE SHOALS, AL	ELEVATION: 551 TDZE: 551	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: NORTHWEST ALABAMA RGNL		RNAV (GPS) RWY 29, AMDT 1	AMDT: ORIG
			29 JUL 2010	DATED: 04/15/2004





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

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: TUT VORTAC	
TUT NDB	TUT VORTAC	053.45 / .63	4000	CLIMBING RIGHT TURN TO 4000 VIA TUT VORTAC R-081 THEN RIGHT TURN DIRECT TUT VORTAC AND HOLD.	
LOG NDB	TUT VORTAC	049.91 / 2.69	4000		
				ADDITIONAL FLIGHT DATA: HOLD NE, LT, 228.00 INBOUND. CHART FAS OBST: 1059 TREE 141939S/1704547W CHART 3600 PRIOR TO TUT VORTAC IN PROFILE. FAC 321 R OF RWY 5 C/L	

1. PT L SIDE OF COURSE 229.91 OUTBOUND 2700 FT WITHIN 10 MILES OF TUT VORTAC (IAF)  
 2. \_\_\_\_\_  
 3. FAC 049.91 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_  
 4. MIN. ALT \_\_\_\_\_  
 8. MSA FROM: TUT VORTAC 3400

MAG VAR: 12E EPOCH YEAR: 1990

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			@			
CATEGORY	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	1200	1 1/4	1168	1200	1 1/2	1168	1200	3	1168	1200	3	1168			

NOTES:  
 CHART NOTE: CIRCLING NA NORTH OF RWY 5-23. @ CAT A, B 1200-2, CAT C, D 1200-3  
 CHART NOTE: NO CONTROL AIRSPACE BELOW 9500'.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

CITY AND STATE Pago Pago, AS, American Samoa	ELEVATION: 32 TDZE:	FACILITY IDENTIFIER: TUT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
	AIRPORT NAME: PAGO PAGO INTL		VOR-D, AMDT 6	AMDT 5A
			29 JUL 2010	DATE 06/12/2006

**GRAPHIC DEPARTURE PROCEDURE (DP)**

OBSTACLE       SID       RNAV

1. Bearings, headings, courses, tracks, and radials are magnetic.
2. Distances are in nautical miles.
3. Altitudes are minimum altitudes unless otherwise indicated.
4. Graphic depiction attached.

**(1) DP Route Description:**

TAKEOFF RUNWAY 7: CLIMB HEADING 073.93 TO 4300, THEN CLIMBING RIGHT TURN TO 8700 DIRECT SSO VORTAC.

TAKEOFF RUNWAY 25: CLIMB TO 8700 ON HEADING 253.94 TO INTERCEPT COURSE 268.03 TO HORBU AND ON TRACK 210.00 TO JILKI AND ON TRACK 155.67 TO SSO VORTAC.

**(2) Transition Routes (Graphic Depiction Only)**

(a) Transition Name	(b) Transition Computer Codes	(c) From FIX/NAVAID	(d) To FIX/NAVAID	(e) Course / Distance	(f) MEA / MOCA	(g) Crossing Altitudes/Fixes

**(3) Procedural Data Notes / Takeoff Minimums:**

**TAKEOFF MINIMUMS:**

RWY 7, STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 5100.

RWY 25, STANDARD WITH MINIMUM CLIMB OF 310 FT PER NM TO 5500.

NOTE: GPS REQUIRED.

NOTE: RNAV1.

**(4) Takeoff Obstacle Notes:** NOTE: RWY 7, MULTIPLE BUSHES, POLES AND TRMSN TOWERS BEGINING 221 FT FROM DER, 60 FT LEFT OF CENTERLINE, UP TO 139 FT AGL/4139 FT MSL.

NOTE: RWY 25, VEHICLES ON ROAD TRAVERSING NORTHEAST TO SOUTHWEST BEGINNING 67 FT FROM DER, UP TO 15 FT AGL/3734 FT MSL.

**(5) Controlling Obstacles:** RWY 7: 4679 FT MSL AAO 325720.89N/1090748.49W, 4731 FT MSL AAO 325529.32N/1090645.30W. RWY 25: 4244 FT MSL BUSH 325631.14N/1091610.61W, 5031 FT MSL AAO 325526.01N/1092158.67W. OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 7 - 11095 FT MSL AAO 331932.10N/1083832.30W, 7519 FT MSL AAO (CONT)

**(6) Fixes and/or NAVAID'S :**

(7) DP Name SAN SIMON	(8) Number ONE	(9) DP Computer Code SSO1.SSO	(10) Superseded Number NONE	(11) Dated 2010	(12) Effective Date 29 JUL 2010
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QUALITY  
1  
CHECKED

(13) Airports Served	
Airport Name <b>GREENLEE COUNTY</b>	City/State <b>CLIFTON/MORENCI, AZ</b>
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State

(14) Lost Communications Procedures:

(15) Communications: CTAF, ALBUQUERQUE CENTER

(16) Additional Flight Data:  
 REFERENCE MAG VAR: KCFT 10E EPOCH YR 2010.  
 DME/DME ASSESSMENT: NOT CONDUCTED.

(17) Continuation:  
 (5) 325923.30N/1090017.40W. RWY 25 - 11095 FT MSL AAO 331932.10N/1083832.30W, 6771 FT MSL AAO 325339.90N/1091845.80W.

QUALITY  
1  
CHECKED

(7) DP Name SAN SIMON	(8) Number ONE	(9) DP Computer Code SSO1.SSO	(10) Superseded Number NONE	(11) Dated	(12) Effective Date 29 JUL 2010
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**DEPARTURE (Data Record)**

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG TYPE	(6)TC	(7) DIST (NM)	(8) ALTITUDE	(9) SPEED	(10) REMARKS
RW07 (AER)	325722.74N/1091309.23W	N	-	-	-	-			CG 320 FT PER NM TO 5100
4300 MSL				VA	083.93				
SSO VORTAC	321609.28N/1091547.12W	Y	FB	DF	-	-			RIGHT TURN
RW25 (AER)	325727.94N/1091211.14W	N	-	-	-	-			CG 310 FT PER NM 5500
	325710.89N/109152140W	-	-	VI	263.94	1.86			V/CF LEG PERMITTED
HORBU	325800.98N/1092224.14W	Y	FB	CF	278.03	5.99			
JILKI	325324.58N/1092658.95W	Y	FB	TF	220.00	6.00			
SSO VORTAC	321609.28N/1091547.12W	Y	FB	TF	165.67	38.37			

QUALITY  
CHECKED

DP Name <b>SAN SIMON</b>	Number <b>ONE</b>	DP Computer Code <b>SSO1.SSO</b>	Superseded Number <b>NONE</b>	Dated	Effective Date <b>29 JUL 2010</b>
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# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

**(2) TEXTUAL DEPARTURE PROCEDURE:**  
USE SAN SIMON DEPARTURE.

**(3) TAKEOFF OBSTACLE NOTES:**

**(4) CONTROLLING OBSTACLES:**



(5) City, State <b>CLIFTON/MORENCI, AZ</b>	(6) Airport <b>GREENLEE COUNTY</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>ORIG</b>
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### GRAPHIC DEPARTURE PROCEDURE (DP)

OBSTACLE       SID       RNAV

1. Bearings, headings, courses, tracks, and radials are magnetic.
2. Distances are in nautical miles.
3. Altitudes are minimum altitudes unless otherwise indicated.
4. Graphic depiction attached.

**(1) DP Route Description:**

RWY 4L/4R: CLIMBING RIGHT TURN TO 5000 HEADING 220 AND TFD VORTAC R-003 TO IFNUR INT OR FOR CLIMB IN VISUAL CONDITION, CROSS FALCON FIELD AIRPORT AT OR ABOVE 2300 THEN CLIMB TO 5000 VIA TFD VORTAC R-003 TO IFNUR INT, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

RWY 22L/22R: CLIMBING LEFT TURN TO 5000 HEADING 150 AND TFD VORTAC R-003 TO IFNUR INT, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**(2) Transition Routes (Graphic Depiction Only)**

(a) Transition Name	(b) Transition Computer Codes	(c) From FIX/NAVAID	(d) To FIX/NAVAID	(e) Course / Distance	(f) MEA / MOCA	(g) Crossing Altitudes/Fixes

**(3) Procedural Data Notes / Takeoff Minimums:**

RWY 22L/R - STANDARD  
 RWY 4L - STANDARD WITH MINIMUM CLIMB OF 480 FEET PER NM TO 3600 OR 1100-3 FOR CLIMB IN VISUAL CONDITIONS.  
 RWY 4R - STANDARD WITH MINIMUM CLIMB OF 495 FEET PER NM TO 3600 OR 1100-3 FOR CLIMB IN VISUAL CONDITIONS.

**(4) Takeoff Obstacle Notes:**

NOTE: SEE BLOCK 17 CONTINUATION.

**(5) Controlling Obstacles:** RWY 4L, 2986' MSL AAO 332919.96N/1113823.24W. RWY 4R, 2986' MSL AAO 332919.96N/1113823.24W. VCOA, 2029' MSL AAO 332952.14N/1114006.62W.

**(6) Fixes and/or NAVAID'S :**

(7) DP Name MESA	(8) Number ONE	(9) DP Computer Code MESA1.MESA	(10) Superseded Number NONE	(11) Dated	(12) Effective Date 29 JUL 2010
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<b>(13) Airports Served</b>	
Airport Name <b>FALCON FIELD</b>	City/State <b>MESA, AZ</b>
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State

**(14) Lost Communications Procedures:**

**(15) Communications:** FFZ ATCT, PHX DEP CON, ZAB

**(16) Additional Flight Data:**

**(17) Continuation:**  
**BLOCK 4 TAKEOFF OBSTACLE NOTES:**  
 NOTE: RWY 4L, ELECTRICAL SYSTEMS BEGINNING 248' FROM DER, 416' LEFT OF CENTERLINE, UP TO 50' AGL/1430' MSL. LIGHT POLES 417' FROM DER, 29' LEFT OF CENTERLINE, UP TO 48' AGL/1428' MSL. TREES BEGINNING 418' FROM DER, 244' LEFT OF CENTERLINE, UP TO 40' AGL/1423' MSL. TREE 1188' FROM DER, 155' RIGHT OF CENTERLINE, 40' AGL/1420' MSL. OBSTRUCTION LIGHT 1314' FROM DER, 424' LEFT OF CENTERLINE, 54' AGL/1434' MSL. RODS BEGINNING 1236' FROM DER, 424' LEFT OF CENTERLINE, UP TO 57' AGL/1437' MSL. WINDSOCK 1523' FROM DER, 487' LEFT OF CENTERLINE, 34' AGL/1414' MSL.

NOTE: RWY 4R, TREES BEGINNING 412' FROM DER, 15' LEFT OF CENTERLINE, UP TO 35' AGL/1425' MSL. LIGHT POLES BEGINNING 513' FROM DER, 350' RIGHT OF CENTERLINE, UP TO 51' AGL/1441' MSL. OBSTRUCTION LIGHT 531' FROM DER, 583' RIGHT OF CENTERLINE, 50' AGL/1444' MSL. TREES BEGINNING 585' FROM DER, 350' RIGHT OF CENTERLINE, UP TO 40' AGL/1460' MSL. TRAFFIC SIGNAL 914' FROM DER, 68' LEFT OF CENTERLINE, 27' AGL/1417' MSL.

NOTE: RWY 22L, LIGHT POLES BEGINNING 256' FROM DER, 421' RIGHT OF CENTERLINE, UP TO 24' AGL/1384' MSL. WINDMILL 562' FROM DER, 457' RIGHT OF CENTERLINE, 39' AGL/1389' MSL. LIGHT POLE 1206' FROM DER, 510' LEFT OF CENTERLINE, 38' AGL/1398' MSL.

NOTE: RWY 22R, LIGHT POLES BEGINNING 297' FROM DER, 65' RIGHT OF CENTERLINE, UP TO 43' AGL/1403' MSL. TREES BEGINNING 369' FROM DER, 127' RIGHT OF CENTERLINE, UP TO 25' AGL/1385' MSL.

QUALITY  
CHECKED

<b>(7) DP Name</b> MESA	<b>(8) Number</b> ONE	<b>(9) DP Computer Code</b> MESA1.MESA	<b>(10) Superseded Number</b> NONE	<b>(11) Dated</b>	<b>(12) Effective Date</b> 29 JUL 2010
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### GRAPHIC DEPARTURE PROCEDURE (DP)

OBSTACLE       SID       RNAV

1. Bearings, headings, courses, tracks, and radials are magnetic.
2. Distances are in nautical miles.
3. Altitudes are minimum altitudes unless otherwise indicated.
4. Graphic depiction attached.

**(1) DP Route Description:**

TAKEOFF RWY 12: CLIMB DIRECT XOMZA AND RIGHT TURN ON TRACK 140.85 TO SSO VORTAC, THENCE...  
 TAKEOFF RWY 30: CLIMB DIRECT ZULOM THEN CLIMBING LEFT TURN DIRECT SEBOC THEN ON TRACK 138.61 TO SSO VORTAC, THENCE...  
 ...VIA ASSIGNED ROUTE, EXPECT CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**(2) Transition Routes (Graphic Depiction Only)**

(a) Transition Name	(b) Transition Computer Codes	(c) From FIX/NAVAID	(d) To FIX/NAVAID	(e) Course / Distance	(f) MEA / MOCA	(g) Crossing Altitudes/Fixes

**(3) Procedural Data Notes / Takeoff Minimums:**

NOTE: GPS REQUIRED.  
 NOTE: RNAV 1  
 NOTE: RWY 12, 30 STANDARD.  
 NOTE: RWY 08, 26 NA - AIRSPACE.

**(4) Takeoff Obstacle Notes:** NOTE: RWY 12, TREES BEGINNING 202' FROM DER, LEFT AND RIGHT OF CENTERLINE UP TO 10' AGL/3289' MSL. NOTE: RWY 30, TREES 303' FROM DER, 260' RIGHT OF CENTERLINE, 10' AGL/3176' MSL. VEHICLES ON ROAD 366' FROM DER, 585' LEFT OF CENTERLINE UP TO 15' AGL/3214' MSL. FENCE 112' FROM DER, 369' RIGHT OF CENTERLINE, 8' AGL/3174' MSL.

**(5) Controlling Obstacles:** RWY 12: 5200 MSL AAO 323424.00N/1092403.00W.  
 RWY 30: 3957 MSL AAO 323606.00N/1092621.00W.

**(6) Fixes and/or NAVAID'S :**

<b>(7) DP Name</b> SAFFORD	<b>(8) Number</b> ONE	<b>(9) DP Computer Code</b> SAFRD1.SAFRD	<b>(10) Superseded Number</b> NONE	<b>(11) Dated</b>	<b>(12) Effective Date</b> 29 JUL 2010
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QUALITY CHECKED

<b>(13) Airports Served</b>	
Airport Name <b>SAFFORD REGIONAL</b>	City/State <b>SAFFORD, AZ</b>
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State

**(14) Lost Communications Procedures:**

**(15) Communications:** ZAB ARTCC

**(16) Additional Flight Data:** REFERENCE MAG VAR: KSAD 12E EPOCH YR 1985.  
 DME/DME ASSESSMENT: NOT CONDUCTED.  
 CHART: JACKAL AND MORENCI MOA.

**(17) Continuation:**



<b>(7) DP Name</b> SAFFORD	<b>(8) Number</b> ONE	<b>(9) DP Computer Code</b> SAFRD1.SAFRD	<b>(10) Superseded Number</b> NONE	<b>(11) Dated</b>	<b>(12) Effective Date</b> 29 JUL 2010
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## DEPARTURE (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG TYPE	(6) TC	(7) DIST (NM)	(8) ALTITUDE	(9) SPEED	(10) REMARKS
RW12 (AER)	325131.32N/1093831.66W	N							
XOMZA	324902.03N/1093537.20W	Y	FO	DF		3.49			
SSO VORTAC	321609.28N/1091547.12W	Y	FB	TF	152.85	36.85			
RW30	325049.02N/1093742.22W	N							
ZULOM	325318.30N/1094036.76W	Y	FO	DF		3.49			LEFT TURN
SEBOC	324511.41N/1093500.96W	Y	FB	DF		9.37			RIGHT TURN
SSO VORTAC	321609.28N/1091547.12W	Y	FB	TF	150.61	33.23			
DP Name <b>SAFFORD</b>	Number <b>ONE</b>	DP Computer Code <b>SAFRD1.SAFRD</b>	Superseded Number <b>NONE</b>	Dated	Effective Date <b>29 JUL 2010</b>				

QUALITY CHECK

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

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

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

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

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

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

NOTES:  
  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010

CITY AND STATE SPRINGVILLE, AZ	ELEVATION: 7051 TDZE: 7039	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 21, ORIG, 08/15/1996	SUP
	AIRPORT NAME:  TOWN OF SPRINGVILLE MUNI			AMDT NONE
	DATE			

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
SJN VORTAC (IAF)	IFADE (NOPT) (FB)	187.64 / 8.55	9500	LNAV: RW21
IFADE (IF/IAF)	IWEDU (FB)	196.90 / 5.00	8700	
				CLIMBING RIGHT TURN TO 12000 DIRECT IFADE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 12000.
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 7299 TREE 340945N/1091609W 7899 AAO 341025N/1091423W CHART 7339 TREE 341023N/1091538W CHAPN TO RW21: 3.20/40.

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD N IFADE, RT, 196.90 INBOUND, 9500 FT. IN LIEU OF PT (IAF)
3. FAC: 196.88 FAF: IWEDU DIST FAF TO MAP: 5.32 THLD: 5.32
4. MIN. ALT: IFADE 9500, IWEDU 8700, CHAPN/2.50 NM TO RW21 7900
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: RW21 12700

MAG VAR: 12E                      EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF:	STANDARD	<input checked="" type="checkbox"/>	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
LNAV MDA	7560	1	528	7560	1	528		NA			NA				
CIRCLING	7660	1	605	7740	1	685		NA			NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: PROCEDURE NA AT NIGHT.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SJN VORTAC ON V190 NORTHEAST BOUND.

CITY AND STATE	ELEVATION: 7055    TDZE: 7032	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SPRINGVILLE, AZ	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 21, ORIG	AMDT: NONE
	SPRINGVILLE MUNI		29 JUL 2010	DATED



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

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

MSA	1	2	3	4	5	6	7	8	9	0	1	2	3
	1	2	3	4	5	6	7	8	9	0	1	2	3
	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP D68 K2SRW21 K2PG				0	180	180	12	725					M

CITY AND STATE  
SPRINGERVILLE, AZ

ELEVATION: 7055 TDZE: 7032  
AIRPORT NAME:  
SPRINGERVILLE MUNI

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 21, ORIG  
29 JUL 2010

SUP:  
AMDT: NONE  
DATED:

### GRAPHIC DEPARTURE PROCEDURE (DP)

OBSTACLE       SID       RNAV

1. Bearings, headings, courses, tracks, and radials are magnetic.
2. Distances are in nautical miles.
3. Altitudes are minimum altitudes unless otherwise indicated.
4. Graphic depiction attached.

**(1) DP Route Description:**

TAKEOFF RWY 6R: CLIMB DIRECT ZILIG THEN VIA DEPICTED ROUTE TO ALMON. MAINTAIN 8,000 OR ASSIGNED ALTITUDE.  
TAKEOFF RWY 24L: CLIMB DIRECT JUPIN THEN VIA DEPICTED ROUTE TO ALMON. MAINTAIN 8,000 OR ASSIGNED ALTITUDE.

**(2) Transition Routes (Graphic Depiction Only)**

(a) Transition Name	(b) Transition Computer Codes	(c) From FIX/NAVAID	(d) To FIX/NAVAID	(e) Course / Distance	(f) MEA / MOCA	(g) Crossing Altitudes/Fixes

**(3) Procedural Data Notes / Takeoff Minimums:**

NOTE: RNAV 1.  
NOTE: GPS REQUIRED.  
RWY 6L, 15, 24R, 33 NA, ATC.  
RWY 6R, STANDARD WITH A MINIMUM CLIMB OF 309' PER NM TO 4400.  
RWY 24L, STANDARD.

**(4) Takeoff Obstacle Notes:** NOTE: RWY 6R, BUSHES BEGINNING 331' FROM DER, 293' RIGHT OF CENTERLINE, UP TO 28' AGL/2428' MSL. BUSH 166' FROM DER, 366' LEFT OF CENTERLINE, 8' AGL/2408' MSL. NOTE: RWY 24L, BUSH 282' FROM DER, 462' LEFT OF CENTERLINE, 10' AGL/2410' MSL. WINDSOCK 280' FROM DER, 248' RIGHT OF CENTERLINE, 18' AGL/2408' MSL. TREE 1,401' FROM DER, 724' RIGHT OF CENTERLINE, 44' AGL/2434' MSL.

**(5) Controlling Obstacles:** RWY 6R: 3899 MSL AAO 320522.10N/1110315.10W. 8157 MSL AAO 322317.60N/1105018.10W.  
RWY 24L: 8157 MSL AAO 322317.60N/1105018.10W.

**(6) Fixes and/or NAVAID'S :**

(7) DP Name <b>ALMON</b>	(8) Number <b>ONE</b>	(9) DP Computer Code <b>ALMON1.ALMON</b>	(10) Superseded Number <b>NONE</b>	(11) Dated	(12) Effective Date <b>29 JUL 2010</b>
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QUALITY  
2  
CHECKED

**(13) Airports Served**

Airport Name <b>RYAN FIELD</b>	City/State <b>TUCSON, AZ</b>
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State

**(14) Lost Communications Procedures:**

**(15) Communications:** GND CON, TWR, TUS APP CON,

**(16) Additional Flight Data:**

CHART V66 - 105  
CHART HOLDING PATTERN AT ALMON (HOLD W, LT, 107.54 INBOUND).  
  
REFERENCE MAG VAR: KRYN 12E EPOCH YR: 1985  
DME/DME ASSESSMENT: NOT CONDUCTED.

**(17) Continuation:**



<b>(7) DP Name</b> ALMON	<b>(8) Number</b> ONE	<b>(9) DP Computer Code</b> ALMON1.ALMON	<b>(10) Superseded Number</b> NONE	<b>(11) Dated</b>	<b>(12) Effective Date</b> 29 JUL 2010
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**DEPARTURE (Data Record)**

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG TYPE	(6) TC	(7) DIST (NM)	(8) ALTITUDE	(9) SPEED	(10) REMARKS
RW6R (AER)	320824.54N/1111045.49W	N							MIN CG 309 FT/NM TO 4400
ZILG	320915.68N/1110757.47W	Y	FO	DF		2.53			RIGHT TURN
ALMON	322300.78N/1112941.13W	Y	FO	DF		22.97			
RW24L (AER)	320842.87N/1110945.27W	N							
JUPIN	320733.89N/1111331.81W	Y	FB	DF		3.41			
ALMON	322300.78N/1112941.13W	Y	FO	TF	318.45	20.62			

QUALITY  
2  
CHECKED

<b>DP Name</b> ALMON	<b>Number</b> ONE	<b>DP Computer Code</b> ALMON1.ALMON	<b>Superseded Number</b> NONE	<b>Dated</b>	<b>Effective Date</b> 29 JUL 2010
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# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**  
RWY 6L, 15, 24R, 33 NA, ATC.

**(2) TEXTUAL DEPARTURE PROCEDURE:**  
RWY 6R, 24L - USE ALMON DEPARTURE.

**(3) TAKEOFF OBSTACLE NOTES:**

**(4) CONTROLLING OBSTACLES:**

(5) City, State

TUCSON, AZ

(6) Airport

RYAN FIELD

(7) Effective Date

29 JUL 2010

(8) AFD No.

3



US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
EKR VOR/DME	ZALIS (FO)	198.97 / 18.38	11000	LNAV: RW03
RACER (IAF)	ZALIS (NOPT) (FB)	103.33 / 38.60	11000	
RIL VOR/DME (IAF)	ZALIS (NOPT) (FB)	296.78 / 25.94	11000	CLIMBING RIGHT TURN TO 11000 DIRECT ZALIS AND HOLD.
HAPRA (IAF)	ZALIS (NOPT) (FB)	025.36 / 3.26	11000	
ZALIS (IF/IAF)	PETOY (FB)	025.38 / 9.08	9300	
				ADDITIONAL FLIGHT DATA: FAS OBST: 7754 AAO 395914N/1075700W 8399 AAO 395503N/1075957W 7979 AAO 395716N/1075712W WAGOK TO RW03: 3.63/40

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD SW ZALIS, RT, 025.38 INBOUND, 11000 FT. IN LIEU OF PT (IAF)
- FAC: 025.46 FAF: PETOY DIST FAF TO MAP: 8.92 THLD: 8.92
- MIN. ALT: ZALIS 11000, PETOY 9300, WAGOK/6.20 NM TO RW03 8780
- 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: RW03 13200

MAG VAR: 14E EPOCH YEAR: 1980

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	@										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	8020	1 1/4	1653	8020	1 1/2	1653	8020	3	1653		NA				
CIRCLING	8020	1 1/4	1599	8020	1 1/2	1599	8020	3	1599		NA				

NOTES:  
 CHART NOTE: CIRCLING NA WEST OF RWY 3-21.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.  
 SEE 8260-10

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



CITY AND STATE <b>MEEKER, CO</b>	ELEVATION: 6421 TDZE: 6367 AIRPORT NAME: <b>MEEKER</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 3, AMDT 1</b> <b>29 JUL 2010</b>	SUP: AMDT: <b>ORIG-B</b> DATED <b>12/17/2009</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RACER ON V187 NORTHBOUND.



CITY AND STATE <b>MEEKER, CO</b>	ELEVATION: 6421 TDZE: 6367 AIRPORT NAME: <b>MEEKER</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 3, AMDT 1</b> <b>29 JUL 2010</b>	SUP:
				AMDT: <b>ORIG-B</b>
				DATED: <b>12/17/2009</b>

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

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

**ARINC PACKET - 424-18 - RNAV (GPS)**

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAD	EKR	K2011520VDHW	N40040290W107552957	N40040290W107552957E0150076202	NARMEEKER							
	SUSAD	RIL	K2011060VDLW	N39314161W107425861	N39314161W107425861E0120055331	NARRIFLE							

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAEENRT	HAPRA	K20	C	L	N39460504W108110915		NAR		HAPRA			
	SUSAEENRT	PET0Y	K20	W	N39553751W108005893		NAR		PET0Y				
	SUSAEENRT	RACER	K20	C	B	N40062917W108525843		NAR		RACER			
	SUSAEENRT	WAGOK	K20	W	N39574371W107584391		NAR		WAGOK				
	SUSAEENRT	ZALIS	K20	W	N39483644W108082812		NAR		ZALIS				

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP	K20	065YHN40025568W107530931E014006421					1800018000C	MNAR	MEEKER			

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP	K20	AEKR	010EKR	K20	0V	IF			18000			B JS
	SUSAP	K20	AEKR	020ZALISK2EA0EY	020TF			19900184	+ 11000				B JS
	SUSAP	K20	AEKR	030ZALISK2EA0EE	AR	HF		02540070	+ 11000				B JS
	SUSAP	K20	AHAPRA	010HAPRAK2EA0E	A	IF				18000			B JS
	SUSAP	K20	AHAPRA	020ZALISK2EA0EE	B	010TF		02540033	+ 11000				B JS
	SUSAP	K20	ARACER	010ARACERK2EA0E	A	IF				18000			B JS
	SUSAP	K20	ARACER	020ZALISK2EA0EE	B	010TF		10330386	+ 11000				B JS
	SUSAP	K20	ARIL	010RIL	K20	0V	A	IF		18000			B JS
	SUSAP	K20	ARIL	020ZALISK2EA0EE	B	010TF		29680259	+ 11000				B JS
	SUSAP	K20	R	010ZALISK2EA0E	I	IF			+ 11000	18000			B JS
	SUSAP	K20	R	020PETOYK2EA1E	F	051TF		02540091	+ 09300			RW03	K2PGB JS
	SUSAP	K20	R	020PETOYK2EA2WN			N	ALNAV					JS
	SUSAP	K20	R	021WAGOKK2EA0E	S	031TF		02550027	V	0878008813		-363	B JS
	SUSAP	K20	R	030RW03	K20	PGGY	M	031TF		06388		-363	B JS
	SUSAP	K20	R	040	0	M	010CA	0255	+ 06821				B JS
	SUSAP	K20	R	050ZALISK2EA0EY	R	010DF			+ 11000				B JS



CITY AND STATE <b>MEEKER, CO</b>	<b>ELEVATION: 6421 TDZE: 6367</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 3, AMDT 1</b>  <b>29 JUL 2010</b>	SUP:
	AIRPORT NAME: <b>MEEKER</b>			AMDT: <b>ORIG-B</b>
				DATED: <b>12/17/2009</b>

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

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SUSAP KEEOK2FR03 R 060ZALISK2EA0EE R020HM 02540070 + 11000 B JS

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

SUSAP KEEOK2GRW03 0065000255 N40023092W107533591+0600 +1920806348000040060R

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

SUSAP KEEOK2SRW03 K2PG 0 18018013225 M

CITY AND STATE MEEKER, CO	ELEVATION: 6421 TDZE: 6367 AIRPORT NAME: MEEKER	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 3, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG-B
				DATED: 12/17/2009



## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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**(1) TAKEOFF MINIMUMS:**

**RWY 11: NA-ENVIRONMENTAL**

**RWY 29: NA-ENVIRONMENTAL**

**RWY 02: STANDARD**

**RWY 20: 300 - 1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 217 FEET PER NM TO 300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1500 FT PRIOR TO DEPARTURE END OF RUNWAY.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 02: CLIMB HEADING 023.95 TO 1000 BEFORE TURNING LEFT.**

**RWY 20: CLIMB HEADING 175.00 TO 1300 BEFORE TURNING RIGHT.**

**(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 02, PIPE ON OL BLDG, BEGINNING 376' FROM DER, 593' LEFT OF CENTERLINE, UP TO 25' AGL/57' MSL. BUSHES BEGINNING 587' FROM DER, 186' LEFT OF CENTERLINE, UP TO 10' AGL/54' MSL. TREES BEGINNING 765' FROM DER, 59' LEFT OF CENTERLINE, UP TO 100' AGL/134' MSL. TREES BEGINNING 57' FROM DER, 46' RIGHT OF CENTERLINE, UP TO 100' AGL/125' MSL. OL ON LEVEE 189' FROM DER, ON CENTERLINE TO 154' RIGHT OF CENTERLINE, UP TO 22' AGL/45' MSL. NOTE: RWY 20, LEVEE 56' FROM DER, 453' LEFT OF CENTERLINE, UP TO 24' AGL/42' MSL. TREES AND BUSHES BEGINNING 160' FROM DER, 118' LEFT OF CENTERLINE, UP TO 100' AGL/119' MSL. OL ON DIKE BEGINNING 493' FROM DER, 277' LEFT OF CENTERLINE, UP TO 27' AGL/45' MSL. SPIRES 1.12 NM FROM DER, 403' LEFT OF CENTERLINE, 150' AGL/195' MSL. (CONTINUED)**

**(4) CONTROLLING OBSTACLES:**

**RWY 02: 2049 MSL TOWER 414213.00N/0724954.00W**

**RWY 20: 195 MSL SPIRE 414247.00N/0723908.00W, 2049 MSL TOWER 414213.00N/0724954.00W.**



(5) City, State <b>HARTFORD, CT</b>	(6) Airport <b>HARTFORD-BRAINARD</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>5</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A  
FLIGHT STANDARDS SERVICE**

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

**(3) TAKEOFF OBSTACLE NOTES: (CONT) LIGHTS BEGINNING 196' FROM DER, 400' RIGHT OF CENTERLINE, UP TO 24' AGL/42' MSL. TREES BEGINNING 798' FROM DER, 28' RIGHT OF CENTERLINE, UP TO 100' AGL/142' MSL. DAM 886' FROM DER, 52' LEFT OF CENTERLINE, 27' AGL/45' MSL.**



City, State <b>HARTFORD, CT</b>		Airport <b>HARTFORD-BRAINARD</b>			Effective Date <b>29 JUL 2010</b>	Amdt. No. <b>5</b>
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date	

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

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

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

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

RADAR TERMINAL AREA MANEUVERING SECTORS AND ALTITUDES (Sectors and distances measured from radar antenna)												MISSED APPROACH		
FROM	TO	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	MAP:		

**MINIMUMS**

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

NOTES:  
  
29 JUL 2010  
  
PROCEDURE CANCELED EFFECTIVE \_\_\_\_\_  
  
LOST COMMUNICATIONS (ALL RWYS):

ADDITIONAL FLIGHT DATA			
TDZE:	RWY:	TDZE:	RWY:
TDZE:	RWY:	TDZE:	RWY:
MAG VAR:		EPOCH YEAR:	

CITY AND STATE	ELEVATION:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
FERNANDINA BEACH, FL	16 AIRPORT NAME: FERNANDINA BEACH MUNI	JAX ASR	RADAR-1, AMDT 4A, 03/16/98	AMDT: 4
				DATED: UNKNOWN

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

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

**MINIMUMS**

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

NOTES:  
 29 JUL 2010  
 PROCEDURE CANCELED EFFECTIVE \_\_\_\_\_  
 LOST COMMUNICATIONS (ALL RWYS):

ADDITIONAL FLIGHT DATA  
 TDZE: \_\_\_\_\_ RWY: \_\_\_\_\_ TDZE: \_\_\_\_\_ RWY: \_\_\_\_\_  
 TDZE: \_\_\_\_\_ RWY: \_\_\_\_\_ TDZE: \_\_\_\_\_ RWY: \_\_\_\_\_  
 MAG VAR: \_\_\_\_\_ EPOCH YEAR: \_\_\_\_\_



CITY AND STATE GAINESVILLE, FL	ELEVATION: 152 AIRPORT NAME: GAINESVILLE RGNL	FACILITY IDENTIFIER: GNV ASR	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RADAR-1, ORIGINAL, 7 OCT 99	SUP AMDT: NONE DATED:
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**U.S. DEPARTMENT OF TRANSPORTATION -- FEDERAL AVIATION ADMINISTRATION  
RADAR -- STANDARD INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE -- TITLE 14 CFR PART 97.31**

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

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

**MINIMUMS**

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

NOTES:  
  
29 JUL 2010  
  
PROCEDURE CANCELED EFFECTIVE \_\_\_\_\_  
  
LOST COMMUNICATIONS (ALL RWYS):

ADDITIONAL FLIGHT DATA  
 TDZE: \_\_\_\_\_ RWY: \_\_\_\_\_ TDZE: \_\_\_\_\_ RWY: \_\_\_\_\_  
 TDZE: \_\_\_\_\_ RWY: \_\_\_\_\_ TDZE: \_\_\_\_\_ RWY: \_\_\_\_\_  
 MAG VAR: \_\_\_\_\_ EPOCH YEAR: \_\_\_\_\_



CITY AND STATE	ELEVATION: 41 AIRPORT NAME: CRAIG MUNI	FACILITY IDENTIFIER: JAX ASR	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RADAR-1, AMDT 1, 30 DEC 99	SUP
JACKSONVILLE, FL				AMDT: ORIG-A
				DATED: 10/18/93

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
BEYLO INT	UMB NDB	203.80 / 9.82	2400	<b>MAP: 3.67 MILES AFTER UMB NDB</b>  <b>CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 2400 DIRECT UMB NDB AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD E, RT, 275.97 INBOUND.</b> <b>CHART FAS OBST: 609 TREE 331008N/0831326W</b> <b>769 AAO 330820N/0830953W</b> <b>UMB NDB TO RW28: 3.07/44.</b>
HADOC INT	UMB NDB	289.69 / 6.93	2400	
RIPPI INT	UMB NDB	035.56 / 17.30	2400	
SINCA INT	UMB NDB	083.44 / 22.84	2400	

1. PT L SIDE OF COURSE 095.97 OUTBOUND 2400 FT WITHIN 10 MILES OF UMB NDB (IAF)  
 2. \_\_\_\_\_  
 3. FAC 275.97 FAF UMB NDB DIST FAF TO MAP 3.67 THLD 3.67  
 4. MIN. ALT 10 NM 1600  
 8. MSA FROM: UMB NDB 2400

MAG VAR: 4W EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF:	<input type="checkbox"/> STANDARD	<input checked="" type="checkbox"/> 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
S-28	960	1	581	960	1	581		NA			NA				
CIRCLING	960	1	575	960	1	575		NA			NA				

NOTES:  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIDDLE GEORGIA REGIONAL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET.



CITY AND STATE MILLEDGEVILLE, GA	ELEVATION: 385 TDZE: 379 AIRPORT NAME: BALDWIN COUNTY	FACILITY IDENTIFIER: UMB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 28, AMDT 3 29 JUL 2010	SUP AMDT 2 DATE 12/20/2007
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US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	RNAV: RW10
BEYLO	AZNAX (FB)	265.90 / 20.20	3000	CLIMB TO 3000 DIRECT LAXHE AND ON TRACK 012.83 TO BEYLO AND HOLD.
GLOSS	AZNAX (FB)	182.82 / 9.90	3000	
AZNAX (IAF)	IBUDY (FB)	182.83 / 6.00	3000	
SINCA (IAF)	IBUDY (FB)	055.94 / 7.44	3000	
IBUDY (IF)	OZBRN (FB)	094.04 / 6.52	2200	
				ADDITIONAL FLIGHT DATA: HOLD NE, RT, 245.04 INBOUND. CHART FAS OBST: 689 TREE 330831N/0831952W 699 AAO 330830N/0832109W OZBRN TO RW10: 3.04/45.

- PT NA SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- PROFILE STARTS AT IBUDY
- FAC: 095.93 FAF: OZBRN DIST FAF TO MAP: 5.48 THLD: 5.48
- MIN. ALT: IBUDY 3000, OZBRN 2200
- DIST TO THLD FROM OM: \_\_\_\_\_ MM: \_\_\_\_\_ IM: \_\_\_\_\_ 150 HAT: \_\_\_\_\_ 100 HAT: \_\_\_\_\_ GS ANT: \_\_\_\_\_
- MIN GS INCPT: \_\_\_\_\_ GS ALT AT: \_\_\_\_\_ OM: \_\_\_\_\_ MM: \_\_\_\_\_ IM: \_\_\_\_\_
- GS ANGLE: \_\_\_\_\_ TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW10 2500

MAG VAR: 4W EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @										
CATEGORY	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
RNAV MDA	940	1	555	940	1	555		NA			NA				
CIRCLING	940	1	555	940	1	555		NA			NA				

NOTES:  
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.  
 SEE 8260-10



CITY AND STATE MILLEDGEVILLE, GA	ELEVATION: 385 TDZE: 385 AIRPORT NAME: BALDWIN COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1 29 JUL 2010	SUP: AMDT: ORIG DATED 12/20/2007
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

**NOTES CONT.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIDDLE GEORGIA REGIONAL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET.**



CITY AND STATE MILLEDGEVILLE, GA	ELEVATION: 385 TDZE: 385 AIRPORT NAME: BALDWIN COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 12/20/2007

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

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**ARINC PACKET - 424-18 - RNAV (GPS)**

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
-----													
SUSAEAENRT	AZNAX K70	W	N33152852W083292751						NAR	AZNAX			
SUSAEAENRT	BEYLO K70	C	B	N33182190W083053633					NAR	BEYLO			
SUSAEAENRT	GLOSS K70	C	L	N33252324W083294206					NAR	GLOSS			
SUSAEAENRT	IBUDY K70	W	N33092791W083291874						NAR	IBUDY			
SUSAEAENRT	LAXHE K70	W	N33090243W083071982						NAR	LAXHE			
SUSAEAENRT	OZBRN K70	W	N33092742W083213250						NAR	OZBRN			
SUSAEAENRT	SINCA K70	C	B	N33045228W083361752					NAR	SINCA			

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
-----													
SUSAP	KMLJK7AMLJ	0	055YHN33091521W083142909W004000385					1800018000C	MNAR	BALDWIN COUNTY			

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
-----													
SUSAP	KMLJK7FR10	ABEYLO	010	BEYLOK7EA0E		IF				18000		B	JS
SUSAP	KMLJK7FR10	ABEYLO	020	AZNAXK7EA0E		A	020TF	26590202	+ 03000			B	JS
SUSAP	KMLJK7FR10	ABEYLO	030	IBUDYK7EA0EE		B	010TF	18280060	+ 03000			B	JS
SUSAP	KMLJK7FR10	AGLOSS	010	GLOSSK7EA0E		IF				18000		B	JS
SUSAP	KMLJK7FR10	AGLOSS	020	AZNAXK7EA0E		A	020TF	18280099	+ 03000			B	JS
SUSAP	KMLJK7FR10	AGLOSS	030	IBUDYK7EA0EE		B	010TF	18280060	+ 03000			B	JS
SUSAP	KMLJK7FR10	ASINCA	010	SINCAK7EA0E		A	IF			18000		B	JS
SUSAP	KMLJK7FR10	ASINCA	020	IBUDYK7EA0EE		B	010TF	05590074	+ 03000			B	JS
SUSAP	KMLJK7FR10	R	010	IBUDYK7EA0E		I	IF		+ 03000	18000		B	JS
SUSAP	KMLJK7FR10	R	020	OZBRNK7EA1E		F	051TF	09400065	+ 02200		RW10	K7	PGB JS
SUSAP	KMLJK7FR10	R	020	OZBRNK7EA2WN		N	ALNAV						JS
SUSAP	KMLJK7FR10	R	030	RW10 K7PG0GY		M	031TF	09590055	00430	-304		B	JS
SUSAP	KMLJK7FR10	R	040	0		M	010CA	0959	+ 00785			B	JS
SUSAP	KMLJK7FR10	R	050	LAXHEK7EA0E		010DF						B	JS
SUSAP	KMLJK7FR10	R	060	BEYLOK7EA0EY		010TF		0128	+ 03000			B	JS
SUSAP	KMLJK7FR10	R	070	BEYLOK7EA0EE		R020HM		24500040	+ 03000			B	JS

QUALITY  
CHECKED

CITY AND STATE <b>MILLEDGEVILLE, GA</b>	ELEVATION: 385 TDZE: 385	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 10, AMDT 1</b> <b>29 JUL 2010</b>	SUP:
	AIRPORT NAME: <b>BALDWIN COUNTY</b>			AMDT: <b>ORIG</b>
				DATED: <b>12/20/2007</b>

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KMLJK7GRW10 0055090960 N33091616W083150143-0500 +0089800385000045099R

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

SUSAP KMLJK7SRW10 K7PG 0 18018002525 M



CITY AND STATE  
MILLEDGEVILLE, GA

ELEVATION: 385 TDZE: 385  
AIRPORT NAME:  
BALDWIN COUNTY

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 10, AMDT 1  
29 JUL 2010

SUP:  
AMDT: ORIG  
DATED: 12/20/2007

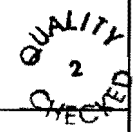
TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
SINCA	HEPUT (FB)	098.90 / 30.77	3000	LPV: DA LNAV/VNAV: DA LNAV: RW28  CLIMB TO 3000 DIRECT OZBRN AND ON TRACK 253.79 TO SINCA AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD W, RT, 098.90 INBOUND. CHART FAS OBST: 461 TREE5 330919N/0831334W CHART FAS OBST: 574 PLANT 330824N/0831218W DISTANCE TO THLD FROM 275 HAT: 0.79 NM. WAAS CHANNEL # 82318 REFERENCE PATH ID: W28A
BEYLO	COPSO (FB)	128.23 / 6.30	3000	
HEPUT (IAF)	FETOP (FB)	005.16 / 6.64	3000	
COPSO (IAF)	FETOP (FB)	186.13 / 6.00	3000	
MISTY (IAF)	FETOP (FB)	235.92 / 9.65	3000	
FETOP (IF)	LAXHE (FB)	276.13 / 6.44	2200	

1. PT NA SIDE OF COURSE            OUTBOUND            FT WITHIN            MILES OF            (IAF)
2. PROFILE STARTS AT FETOP
3. FAC: 276.06 FAF: LAXHE DIST FAF TO MAP: 5.56 THLD: 5.56
4. MIN. ALT: FETOP 3000, LAXHE 2200, WADAX/2.50 NM TO RW28 1200\*
5. DIST TO THLD FROM OM: MM:            IM:            150 HAT:            100 HAT:            GS ANT:
6. MIN GS INCPT: 2200 GS ALT AT: LAXHE 2200 OM:            MM:            IM:
7. GS ANGLE: 3.00 TCH: 44.3 34:1 IS NOT CLEAR
8. MSA FROM: RW28 2400

MAG VAR: 4W                      EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	STANDARD	<input checked="" type="checkbox"/>	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	654	1	275	654	1	275		NA			NA					
LNAV/VNAV DA	997	2 1/4	618	997	2 1/4	618		NA			NA					
LNAV MDA	800	1	421	800	1	421		NA			NA					
CIRCLING	920	1	535	940	1	555		NA			NA					

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING MIDDLE GEORGIA RGNL ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 SEE 8260-10



CITY AND STATE <b>MILLEDGEVILLE, GA</b>	ELEVATION: 385 TDZE: 379 AIRPORT NAME: <b>BALDWIN COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 28, AMDT 1</b>  <b>29 JUL 2010</b>	SUP: AMDT: <b>ORIG</b> DATED <b>12/20/2007</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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**NOTES CONT.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MISTY VIA V56 NORTHEAST BOUND.**

**\*LNAV ONLY**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIDDLE GEORGIA REGIONAL ALTIMETER SETTING AND INCREASE ALL DA 84 FEET, AND ALL MDA 100 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS**

**VISIBILITY 1/4.**



CITY AND STATE MILLEDGEVILLE, GA	ELEVATION: 385 TDZE: 379	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1 29 JUL 2010	SUP:
	AIRPORT NAME: BALDWIN COUNTY			AMDT: ORIG
				DATED: 12/20/2007

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

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMLJ
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	330914.2600N
LTP/FTP LONGITUDE	0831356.6700W
LTP/FTP ELLIPSOIDAL HEIGHT	+00818
FPAP LATITUDE	330917.3600N
FPAP LONGITUDE	0831542.7300W
THRESHOLD CROSSING HEIGHT (TCH)	00044.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

**CRC REMAINDER** 91988C87

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01094
FPAP ORTHOMETRIC HEIGHT	+01094



CITY AND STATE MILLEDGEVILLE, GA	ELEVATION: 385 TDZE: 379	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BALDWIN COUNTY		RNAV (GPS) RWY 28, AMDT 1	AMDT: ORIG
			29 JUL 2010	DATED: 12/20/2007



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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMLJK7GRW28	0055092760	N33091426W083135667+0500										+0081800359000044099R
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMLJK7PR28	RW28 001	0000W28AON3309142600W08313566700+008180300N3309173600W08315427300106751072000443F40050091988C87										
SUSAP	KMLJK7PR28	RW28 002E	+01094+01094LPV	82318									
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMLJK7SRW28	K7PG	0	18018002425									M



CITY AND STATE MILLEDGEVILLE, GA	ELEVATION: 385 TDZE: 379	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1 29 JUL 2010	SUP:
	AIRPORT NAME: BALDWIN COUNTY			AMDT: ORIG
				DATED: 12/20/2007

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

**RWY 10, STANDARD**

**RWY 28, 300 - 1 OR STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 700.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 10 - CLIMB HEADING 095.99 TO 1000 BEFORE TURNING.**

**RWY 28 - CLIMB HEADING 276.00 TO 1400 BEFORE TURNING RIGHT.**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 10, TREES BEGINNING 67' FROM DER, 87' RIGHT OF CENTERLINE, UP TO 100' AGL/449' MSL. UTILITY POLES BEGINNING 196' FROM DER, 268' RIGHT OF CENTERLINE, UP TO 30' AGL/ 372' MSL. TREES BEGINNING 62' FROM DER, 298' LEFT OF CENTERLINE, UP TO 100' AGL/445' MSL. UTILITY POLES BEGINNING 135' FROM DER, 381' LEFT OF CENTERLINE, UP TO 30' AGL/380' MSL. MULTIPLE STRUCTURES BEGINNING 242' FROM DER, 523' LEFT OF CENTERLINE UP TO 19' AGL/369' MSL.**

**NOTE: RWY 28, TREES BEGINNING 12' FROM DER, 64' RIGHT OF CENTERLINE, UP TO 100' AGL/500' MSL. TERRAIN 729' FROM DER, 495' RIGHT OF CENTERLINE, 437' MSL. TREES BEGINNING 515' FROM DER, 59' LEFT OF CENTERLINE, UP TO 100' AGL/534' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 10: 1360 MSL STACK 331139.00N/0831758.00W**

**RWY 28: 543 MSL TREE 330927.06N/0831545.98W, 548 MSL TREE 330924.63N/0831547.72W, 550 MSL TREE 330922.15N/0831552.02W, 1360 MSL STACK 331139.00N/0831758.00W**

QUALITY  
2  
CHECKED

(5) City, State <b>MILLEDGEVILLE, GA</b>	(6) Airport <b>BALDWIN COUNTY</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No <b>1</b>
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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
DORAY (IAF)	TORRO (NOPT) (FB)	082.50 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW17  CLIMB TO 3000 DIRECT MOHON AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD S, RT, 352.60 INBOUND. CHART FAS OBST: 357 TREE 325454N/0815813W CHART FAS OBST: 399 TREE 325534N/0815815W CHART 265 TREE 325357N/0815805W. CHART BULLDOG MOA. DISTANCE TO THLD FROM 329 HAT: 0.89 NM. WAAS CHANNEL # 49218 REFERENCE PATH ID: W17A
KACES (IAF)	TORRO (NOPT) (FB)	262.50 / 5.00	3000	
TORRO (IF/IAF)	JETOP (FB)	172.55 / 6.02	1900	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD N TORRO, RT, 172.55 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 172.56 FAF: JETOP DIST FAF TO MAP: 5.01 THLD: 5.01
4. MIN. ALT: TORRO 3000, JETOP 1900, REPKE/2.50 NM TO RW17 1080\*
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 1900 GS ALT AT: JETOP 1900 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 46.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 5W                      EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: NA	X						
CATEGORY	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	566	1 1/4	329	566	1 1/4	329	566	1 1/4	329	566	1 1/4	329				
LNAV/VNAV DA	738	1 3/4	501	738	1 3/4	501	738	1 3/4	501	738	1 3/4	501				
LNAV MDA	740	1	503	740	1	503	740	1 1/2	503	740	1 1/2	503				
CIRCLING	760	1	523	760	1	523	760	1 1/2	523	800	2	563				

NOTES:  
 CHART NOTE: CIRCLING NA EAST OF RWY 17-35.  
 CHART NOTE: BARO-VNAV NA.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 SEE 8260-10



CITY AND STATE <b>MILLEN, GA</b>	ELEVATION: 237 TDZE: 237 AIRPORT NAME: <b>MILLEN</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 17, AMDT 1</b> <b>29 JUL 2010</b>	SUP: AMDT: <b>ORIG-A</b> DATED <b>11/29/2005</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

NOTES CONT.

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

\*LNAV ONLY

CHART NOTE: USE AGUSTA REGIONAL AT BUSH FIELD ALTIMETER SETTING, WHEN NOT RECEIVED, USE PLANTATION AIRPARK ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	083/30 CW 263/30 (NOPT)	TORRO (IF/IAF) (FB)	3000
2.	263/30 CW 353/30	KACES (IAF) (FB)	3000
3.	353/30 CW 083/30	DORAY (IAF) (FB)	3000

LIT  
6  
CHECKED

CITY AND STATE

MILLEN, GA

ELEVATION: 237 TDZE: 237

AIRPORT NAME:

MILLEN

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, AMDT 1

29 JUL 2010

SUP:

AMDT: ORIG-A

DATED: 11/29/2005

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

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

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	2J5
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	325356.1190N
LTP/FTP LONGITUDE	0815800.3405W
LTP/FTP ELLIPSOIDAL HEIGHT	+00424
FPAP LATITUDE	325228.9400N
FPAP LONGITUDE	0815737.5700W
THRESHOLD CROSSING HEIGHT (TCH)	00046.0
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** 7D1F77D9

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00723
FPAP ORTHOMETRIC HEIGHT	+00723



CITY AND STATE MILLEN, GA	ELEVATION: 237 TDZE: 237	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 29 JUL 2010	SUP:
	AIRPORT NAME: MILLEN			AMDT: ORIG-A
				DATED: 11/29/2005



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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	1	2	3	4	5	6	7	8	9	0	1	2	3
-----													
SUSAP 2J5 K7PR17 RW17 001 0000W17A0N3253561190W08158003405+004240300N3252289400W08157375700106751528000460F4005007D1F77D9													
SUSAP 2J5 K7PR17 RW17 002E +00723+00723LPV 49218													



CITY AND STATE <b>MILLEN, GA</b>	ELEVATION: 237 TDZE: 237 AIRPORT NAME: <b>MILLEN</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 17, AMDT 1 29 JUL 2010</b>	SUP:
				AMDT: <b>ORIG-A</b>
				DATED: <b>11/29/2005</b>

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

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
KEZMO (IAF)	MOHON (NOPT) (FB)	082.55 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW35	
JOBRU (IAF)	MOHON (NOPT) (FB)	262.85 / 5.00	3000	CLIMB TO 3000 DIRECT TORRO AND HOLD.	
MOHON (IF/IAF)	YASSA (FB)	352.60 / 6.01	1900		
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 172.55 INBOUND. CHART FAS OBST: 317 TREE 325222N/0815714W CHART FAS OBST: 333 TREE 325332N/0815811W CHART BULLDOG MOA. DISTANCE TO THLD FROM 329 HAT: 0.93 NM. WAAS CHANNEL # 53718 REFERENCE PATH ID: W35A	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD S MOHON, RT, 352.60 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 352.58 FAF: YASSA DIST FAF TO MAP: 5.08 THLD: 5.08
- MIN. ALT: MOHON 3000, YASSA 1900, KEPIA/2.70 NM TO RW35 1120\*
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 1900 GS ALT AT: YASSA 1900 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 37.1 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 5W EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF:	<input type="checkbox"/> STANDARD	<input checked="" type="checkbox"/> X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N/A	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> 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	556	1 1/4	329	556	1 1/4	329	556	1 1/4	329	556	1 1/4	329					
LNAV/VNAV DA	692	1 3/4	465	692	1 3/4	465	692	1 3/4	465	692	1 3/4	465					
LNAV MDA	680	1	453	680	1	453	680	1 1/4	453	680	1 1/2	453					
CIRCLING	760	1	523	760	1	523	760	1 1/2	523	800	2	563					

NOTES:  
 CHART NOTE: CIRCLING NA EAST OF RWY 17-35.  
 CHART NOTE: BARO-VNAV NA.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 SEE 8260-10

CITY AND STATE <b>MILLEN, GA</b>	ELEVATION: 237 TDZE: 227 AIRPORT NAME: <b>MILLEN</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 35, ORIG 29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

NOTES CONT.

\*LNAV ONLY

CHART NOTE: USE AUGUSTA REGIONAL AT BUSH FIELD ALTIMETER SETTING, WHEN NOT RECEIVED, USE PLANTATION AIRPARK ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	263/30 CW 083/30 (NOPT)	MOHON (IF/IAF) (FB)	3000
2.	083/30 CW 173/30	KEZMO (IAF) (FB)	3000
3.	173/30 CW 263/30	JOBRU (IAF) (FB)	3000



CITY AND STATE MILLEN, GA	ELEVATION: 237 TDZE: 227 AIRPORT NAME: MILLEN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

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

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	2J5
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	325317.4710N
LTP/FTP LONGITUDE	0815750.2425W
LTP/FTP ELLIPSOIDAL HEIGHT	+00379
FPAP LATITUDE	325444.6500N
FPAP LONGITUDE	0815813.0200W
THRESHOLD CROSSING HEIGHT (TCH)	00037.1
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** AAF46AEC

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00678
FPAP ORTHOMETRIC HEIGHT	+00678

CHECKED

CITY AND STATE MILLEN, GA	ELEVATION: 237 TDZE: 227	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME: MILLEN			AMDT: NONE
				DATED:

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

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**ARINC PACKET - 424-18 - RNAV (GPS)**

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEAENRT	JOBRU	K70	W	N32433077W081491318				W0062	NAR		JOBRU		G
SUSAEAENRT	KEPIA	K70	W	N32503895W081570885				W0061	NAR		KEPIA		G
SUSAEAENRT	KEZMO	K70	W	N32412167W082004768				W0060	NAR		KEZMO		G
SUSAEAENRT	MOHON	K70	W	N32422635W081550050				W0061	NAR		MOHON		G
SUSAEAENRT	TORRO	K70	W	N33044319W082004974				W0061	NAR		TORRO		G
SUSAEAENRT	YASSA	K70	W	N32481927W081563241				W0061	NAR		YASSA		G

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	2J5	K7A2J5	0	040YHN32533680W081575529W005000237			18000	18000C	MINAR	MILLEN			G

	1	2	3	4	5	6	7	8	9	0	1	2	3	
SEGMENT	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
SUSAP	2J5	K7FR35	A	JOBRU	010	JOBRUK7EA0E	A	IF		18000		A	JS	G
SUSAP	2J5	K7FR35	A	JOBRU	020	MOHONK7EA0EE	B	010TF	26270050	+ 03000		A	JS	G
SUSAP	2J5	K7FR35	A	KEZMO	010	KEZMOK7EA0E	A	IF		18000		A	JS	G
SUSAP	2J5	K7FR35	A	KEZMO	020	MOHONK7EA0EE	B	010TF	08260050	+ 03000		A	JS	G
SUSAP	2J5	K7FR35	A	MOHON	010	MOHONK7EA0EE	AR	HF	35260040	+ 03000	18000	A	JS	G
SUSAP	2J5	K7FR35	R		010	MOHONK7EA0E	I	IF		+ 03000	18000	A	JS	G
SUSAP	2J5	K7FR35	R		020	YASSAK7EA1E	F	051TF	35260060	+ 01900		A	JS	G
SUSAP	2J5	K7FR35	R		020	YASSAK7EA2WALPV		ALNAV/VNAV	ALNAV			JS	G	
SUSAP	2J5	K7FR35	R		021	KEPIAK7EA0E	S	031TF	35260024	V 0112001127	-300	A	JS	G
SUSAP	2J5	K7FR35	R		030	RW35 K7PGOGY	M	031TF	35260027	00260	-300	A	JS	G
SUSAP	2J5	K7FR35	R		040			010CA	3526	+ 00556		A	JS	G
SUSAP	2J5	K7FR35	R		050	TORROK7EA0EY		010DF		+ 03000		A	JS	G
SUSAP	2J5	K7FR35	R		060	TORROK7EA0EE		R020HM	17260040	+ 03000		A	JS	G

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	2J5	K7GRW35		0040003526	N32531747W081575024+0400					+0037900223000037075R			G

QUALITY  
A  
CHECKED

CITY AND STATE MILLEN, GA	ELEVATION: 237	TDZE: 227	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG	SUP:
	AIRPORT NAME: MILLEN			29 JUL 2010	AMDT: NONE
					DATED:

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

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

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

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SUSAP 2J5 K7PR35 RW35 001 0000W35A0N3253174710W08157502425+003790300N3254446500W08158130200106751528000371F400500AAF46ABCG  
 SUSAP 2J5 K7PR35 RW35 002E +00678+00678LPV 53718 G

QUALITY  
 CHECKED

CITY AND STATE <b>MILLEN, GA</b>	ELEVATION: 237 TDZE: 227 AIRPORT NAME: <b>MILLEN</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 35, ORIG</b>  <b>29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

**RWY 13, 31 NA - ENVIRONMENTAL**

**RWY 02, 20 STANDARD**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 02-CLIMB HEADING 020.37 TO 1700 BEFORE TURNING LEFT.**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 02, TREES 129' FROM DER, 146' LEFT OF CENTERLINE, 40' AGL/1030' MSL. NOTE: 20, TREES BEGINNING 78' FROM DER, 75' RIGHT OF CENTERLINE, UP TO 89' AGL/1069' MSL. TREES BEGINNING 716' FROM DER, 40' LEFT OF CENTERLINE, UP TO 72' AGL/1052' MSL. POLE 2125' FROM DER, 187' RIGHT OF CENTERLINE, 67' AGL/1047' MSL. POLE 1825' FROM DER, 482' LEFT OF CENTERLINE, 57' AGL/1037' MSL. ROAD 465' FROM DER, 302' RIGHT OF CENTERLINE, UP TO 28' AGL/1008' MSL. VEHICLE ON ROAD 408' FROM DER, 52' LEFT OF CENTERLINE, UP TO 25' AGL/1005' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 02: 1580 MSL TOWER 404427.99N/0950319.93W**



(5) City, State <b>CLARINDA, IA</b>	(6) Airport <b>SCHENCK FIELD</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>1</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**GPS STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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

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

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

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

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

NOTES:  
  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE MARSHALLTOWN, IA	ELEVATION: 974 TDZE: 974 AIRPORT NAME: MARSHALLTOWN MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 12, ORIG-B, 06/15/2000	SUP AMDT ORIG-A DATE 03/29/1999
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US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ALO VORTAC	OBAVY (FB)	240.68 / 33.04	2700	LNAV: RW13  CLIMB TO 2600 DIRECT VUNDY AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 306.21 INBOUND. CHART FAS OBST: 1079 TREE 420700N/0925458W ATAXE TO RW13: 3.04/42.
TNU VOR/DME	OSAZE (FB)	350.23 / 22.83	2700	
OBAVY (IAF)	BRIDY (NOPT) (FB)	215.99 / 5.00	2700	
OSAZE (IAF)	BRIDY (NOPT) (FB)	035.90 / 5.00	2700	
BRIDY (IF/IAF)	ATAXE (FB)	125.94 / 6.02	2600	

- PT            SIDE OF COURSE            OUTBOUND            FT WITHIN            MILES OF            (IAF)
- HOLD NW BRIDY, RT, 125.94 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
- FAC: 126.01 FAF: ATAXE DIST FAF TO MAP: 4.91 THLD: 4.91
- MIN. ALT: BRIDY 2700, ATAXE 2600, BREEN/2.50 NM TO RW13 1800
- 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: RW13 2800

MAG VAR: 1E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1360	1	386	1360	1	386	1360	1	386	1360	1 1/4	386			
CIRCLING	1400	1	426	1440	1	466	1440	1 1/2	466	1540	2	566			

NOTES:  
 CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 13 PROCEDURE NA AT NIGHT. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRINNELL ALTIMETER SETTING AND INCREASE  
 SEE 8260-10

CITY AND STATE <b>MARSHALLTOWN, IA</b>	ELEVATION: 974 TDZE: 974 AIRPORT NAME: <b>MARSHALLTOWN MUNI</b>	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG, 07/29/2010 <b>29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

**NOTES CONT.**

**ALL MDA 80 FT; INCREASE LNAV CAT C AND D VISIBILITY 1/4 MILE.**

**CHART NOTE: PROCEDURE NA FOR ARRIVALS ON ALO VORTAC AIRWAY RADIALS 209 CW 267.**

**CHART NOTE: PROCEDURE NA FOR ARRIVALS AT TNU VOR/DME ON V77 SOUTHWEST BOUND.**



CITY AND STATE

MARSHALLTOWN, IA

ELEVATION: 974 TDZE: 974

AIRPORT NAME:

MARSHALLTOWN MUNI

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG, 07/29/2010

29 JUL 2010

SUP:

AMDT: NONE

DATED:



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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3	
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
-----														
SUSAP	KMIWK3GRW13	0050061261	N42070125W	092552648-0100					+0265200974000042100R					

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
SUSAP	KMIWK3SRW13	K3PG	0	18018002825									M



CITY AND STATE MARSHALLTOWN, IA	ELEVATION: 974 TDZE: 974 AIRPORT NAME: MARSHALLTOWN MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG, 07/29/2010 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

<b>US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b>	<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>
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Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ALO VORTAC	SILKE (FB)	199.60 / 31.47	2600	LNAV: RW31
TNU VOR/DME	JELFI (FB)	057.63 / 17.16	2600	
SILKE (IAF)	VUNDY (NOPT) (FB)	216.26 / 5.00	2600	CLIMB TO 2700 DIRECT BRIDY AND HOLD.
JELFI (IAF)	VUNDY (NOPT) (FB)	036.17 / 5.00	2600	
VUNDY (IF/IAF)	BEKFY (FB)	306.21 / 6.00	2600	
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 125.94 INBOUND. CHART FAS OBST: 1089 TREE 420433N/0925233W BEKFY TO RW31: 3.04/37.

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD SE VUNDY, RT, 306.21 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 306.14 FAF: BEKFY DIST FAF TO MAP: 4.93 THLD: 4.93
4. MIN. ALT: VUNDY 2600, BEKFY 2600, JIPT/2.10 NM TO RW31 1680
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: RW31 2800

MAG VAR: 1E EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD @			
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1340	1	367	1340	1	367	1340	1	367	1340	1 1/4	367			
CIRCLING	1400	1	426	1440	1	466	1440	1 1/2	466	1540	2	566			

NOTES:  
 CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 31 PROCEDURE NA AT NIGHT. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRINNELL ALTIMETER SETTING AND INCREASE  
 ALL MDA 80 FT; INCREASE LNAV CAT C AND D VISIBILITY 1/4 MILE.  
 SEE 8260-10

CITY AND STATE	ELEVATION: 974 TDZE: 973	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	AIRPORT NAME: MARSHALLTOWN MUNI	RNAV	RNAV (GPS) RWY 31, ORIG, 07/29/2010 29 JUL 2010	AMDT: NONE
				DATED



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

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

**NOTES CONT.**

**CHART NOTE: PROCEDURE NA FOR ARRIVALS ON ALO VORTAC AIRWAY RADIALS 140 CW 209.**

**CHART NOTE: PROCEDURE NA FOR ARRIVALS ON TNU VOR/DME AIRWAY RADIALS 031 CW 081.**

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4  
CHECKED

CITY AND STATE <b>MARSHALLTOWN, IA</b>	ELEVATION: 974 TDZE: 973 AIRPORT NAME: <b>MARSHALLTOWN MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 31, ORIG, 07/29/2010 29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

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

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

**ARINC PACKET - 424-18 - RNAV (GPS)**

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	ALO	K3011220V	THA	N42332340W	092235620	N42332340W	092235620	E0060008652	NAR	WATERLOO			
SUSAD	TNU	K3011250V	VDL	N41470176W	093063232	N41470176W	093063232	E0030009801	NAR	NEWTON			

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	BEKFY	K30	W	N42033288W	092491665			E0008	NAR	BEKFY			
SUSAEENRT	BRIDY	K30	W	N42133611W	093071079			E0010	NAR	BRIDY			
SUSAEENRT	JELFI	K30	W	N41555616W	092465483			E0008	NAR	JELFI			
SUSAEENRT	JIPTI	K30	W	N42051542W	092521848			E0008	NAR	JIPTI			
SUSAEENRT	SILKE	K30	W	N42035421W	092384819			E0006	NAR	SILKE			
SUSAEENRT	VUNDY	K30	W	N41595526W	092425176			E0007	NAR	VUNDY			

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMIWK3	AMIW	0	050YHN42064581W	092550404E	001000974	18000	18000C	MNAR	MARSHALLTOWN	MUNI		

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KMIWK3FR31	AALO	010ALO	K3D	OV	IF				18000		B	JS
SUSAP	KMIWK3FR31	AALO	020SILKEK3EA0E	A	020TF		19960315	+ 02600				B	JS
SUSAP	KMIWK3FR31	AALO	030VUNDYK3EA0EE	B	010TF		21630050	+ 02600				B	JS
SUSAP	KMIWK3FR31	ATNU	010TNU	K3D	OV	IF				18000		B	JS
SUSAP	KMIWK3FR31	ATNU	020JELFIK3EA0E	A	020TF		05760172	+ 02600				B	JS
SUSAP	KMIWK3FR31	ATNU	030VUNDYK3EA0EE	B	010TF		03620050	+ 02600				B	JS
SUSAP	KMIWK3FR31	AVUNDY	010VUNDYK3EA0EE	AR	HF		30620040	+ 02600		18000		B	JS
SUSAP	KMIWK3FR31	R	010VUNDYK3EA0E	I	IF			+ 02600		18000		B	JS
SUSAP	KMIWK3FR31	R	020BEKFKYK3EA1E	F	051TF		30620060	+ 02600			RW31	K3PGB	JS
SUSAP	KMIWK3FR31	R	020BEKFKYK3EA2WN			N	ALNAV						JS
SUSAP	KMIWK3FR31	R	021JIPTIK3EA0E	S	031TF		30610028	V 0168001690		-304		B	JS
SUSAP	KMIWK3FR31	R	030RW31	K3PGOGY	M	031TF	30610021	01008		-304		B	JS
SUSAP	KMIWK3FR31	R	040	0	M	010CA	3061	+ 01340				B	JS
SUSAP	KMIWK3FR31	R	050BRIDYK3EA0EY		010DF			+ 02700				B	JS
SUSAP	KMIWK3FR31	R	060BRIDYK3EA0EE	R020H	M		12590040	+ 02700				B	JS



CITY AND STATE <b>MARSHALLTOWN, IA</b>	ELEVATION: <b>974</b> TDZE: <b>973</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>MARSHALLTOWN MUNI</b>		<b>RNAV (GPS) RWY 31, ORIG, 07/29/2010</b>	AMDT: <b>NONE</b>
			<b>29 JUL 2010</b>	DATED:



## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**  
**RWY 13, 18, 31, 36 STANDARD**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 13, VEHICLE ON ROADWAY BEGINNING 245' FROM DER, 364' RIGHT OF CENTERLINE, UP TO 15' AGL/994' MSL. TREES BEGINNING 1789' FROM DER, RIGHT AND LEFT OF CENTERLINE, UP TO 100' AGL/1079' MSL.**

**NOTE: RWY 18, TREES BEGINNING 859' FROM DER, 208' RIGHT OF CENTERLINE, UP TO 100' AGL/1069' MSL.**

**NOTE: RWY 36, TREES BEGINNING 911' FROM DER, RIGHT AND LEFT OF CENTERLINE, UP TO 100' AGL/1089' MSL.**

**(4) CONTROLLING OBSTACLES:**



(5) City, State <b>MARSHALLTOWN, IA</b>	(6) Airport <b>MARSHALLTOWN MUNI</b>	(7) Effective Date <b>07/29/2010</b>	(8) Amdt. No. <b>ORIG</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**VOR STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.23**

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: JWJ VOR/DME
HAKES INT	JWJ VOR/DME	339.80 / 4.51	2700	CLIMB TO 2700 THEN LEFT TURN DIRECT JWJ VOR/DME AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 299.70 INBOUND. CHART FAS OBST: 1099 TREE 420812N/0925457W JURSI TO RW13: 3.11/42. CHART DIST: JURSI TO THLD 1.65 NM FAC CROSSES RWY C/L EXTENDED 2996 FROM THLD.

- PT R SIDE OF COURSE 299.70 OUTBOUND 2700 FT WITHIN 10 MILES OF JWJ VOR/DME (IAF)
- 
- FAC 119.70 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_
- MIN. ALT JURSI/JWJ 2.40 DME 1560\*
- MSA FROM: JWJ VOR/DME 2800

MAG VAR: 1E EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A				STANDARD @				
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-13	1560	1	586	1560	1	586	1560	1 1/2	586	1560	1 3/4	586			
CIRCLING	1560	1	586	1560	1	586	1560	1 1/2	586	1560	2	586			
JURSI FIX MINIMUMS															
S-13	1360	1	386	1360	1	386	1360	1	386	1360	1 1/4	386			
CIRCLING	1400	1	426	1440	1	466	1440	1 1/2	466	1540	2	566			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 \*1640 WHEN USING GRINNELL ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRINNELL ALTIMETER SETTING AND INCREASE ALL MDA 80 FT; INCREASE S-13 CAT C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE. INCREASE JURSI FIX MINIMUMS S-13 CAT C AND D VISIBILITY 1/4 MILE.



CITY AND STATE MARSHALLTOWN, IA	ELEVATION: 974 TDZE: 974 AIRPORT NAME: MARSHALLTOWN MUNI	FACILITY IDENTIFIER: JWJ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 13, AMDT 2, 07/29/2010 29 JUL 2010	SUP VOR RWY 12 AMDT 1 DATE 02/19/2004
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**VOR STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.23**

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
HAKES INT	JWJ VOR/DME	339.80 / 4.51	2700	MAP: JWJ VOR/DME	
				CLIMB TO 2700 THEN LEFT TURN DIRECT JWJ VOR/DME AND HOLD.	
				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 299.70 INBOUND. CHART FAS OBST: 1089 TREE 420653N/0925312W TUWAJ TO RW31: 3.03/37. CHART DIST: TUWAJ TO THLD 1.90 NM. FAC CROSSES RWY C/L EXTENDED 2999 FROM THLD.	

1. PT L SIDE OF COURSE 139.60 OUTBOUND 2700 FT WITHIN 10 MILES OF JWJ VOR/DME (IAF)
2. \_\_\_\_\_
3. FAC 319.60 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_
4. MIN. ALT TUWAJ INT/JWJ 2.01 DME 1620\*
8. MSA FROM: JWJ VOR/DME 2800

MAG VAR: 1E EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD						X SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A			STANDARD @		
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-31	1620	1	647	1620	1	647	1620	1 3/4	647	1620	2	647			
CIRCLING	1620	1	646	1620	1	646	1620	1 3/4	646	1620	2	646			
TUWAJ FIX MINIMUMS															
S-31	1360	1	387	1360	1	387	1360	1	387	1360	1 1/4	387			
CIRCLING	1400	1	426	1440	1	466	1440	1 1/2	466	1540	2	566			

NOTES:  
 \*1700 WHEN USING GRINNELL ALTIMETER SETTING.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRINNELL ALTIMETER SETTING AND INCREASE ALL MDA 80 FT; INCREASE S-31 AND CIRCLING CAT C AND CAT D AND TUWAJ FIX MINIMUMS S-31 CAT C AND CAT D VISIBILITY 1/4 MILE.  
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>MARSHALLTOWN, IA</b>	ELEVATION: 974 TDZE: 973 AIRPORT NAME: <b>MARSHALLTOWN MUNI</b>	FACILITY IDENTIFIER: <b>JWJ</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>VOR RWY 31, AMDT 2, 07/29/2010</b>  <b>29 JUL 2010</b>	SUP VOR RWY 30 AMDT 1 DATE 02/19/2004
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**GRAPHIC DEPARTURE PROCEDURE (DP)**

OBSTACLE       SID       RNAV

1. Bearings, headings, courses, tracks, and radials are magnetic.
2. Distances are in nautical miles.
3. Altitudes are minimum altitudes unless otherwise indicated.
4. Graphic depiction attached.

**(1) DP Route Description:**

TAKEOFF RWY 20: CLIMB HEADING 202.35 TO 2840' THEN DIRECT ZAKNI, THEN ON DEPICTED ROUTE TO KARPS, CROSS KARPS AT OR ABOVE MEA FOR ASSIGNED ROUTE OF FLIGHT.

**(2) Transition Routes (Graphic Depiction Only)**

(a) Transition Name	(b) Transition Computer Codes	(c) From FIX/NAVAID	(d) To FIX/NAVAID	(e) Course / Distance	(f) MEA / MOCA	(g) Crossing Altitudes/Fixes

**(3) Procedural Data Notes / Takeoff Minimums:**

NOTE: RNAV-1.  
NOTE: GPS REQUIRED.  
RWY 02, NA - TERRAIN.  
TAKEOFF MINIMUMS: RWY 20, STANDARD WITH MINIMUM CLIMB OF 245 FT PER NM TO 5500.

**(4) Takeoff Obstacle Notes:**

NOTE: RWY 20, TREES BEGINNING 741 FT FROM DER, 129 FT LEFT OF CENTERLINE, UP TO 70 FT AGL/2417 FT MSL. TREES, CRANES, BLDG AND TERRAIN BEGINNING 138 FT FROM DER, 1 FT RIGHT OF CENTERLINE, UP TO 77 FT AGL/2418 FT MSL.

**(5) Controlling Obstacles:** RWY 20: 4639 FT MSL AAO 483108.03N/1162249.98W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 20 - 7909 FT MSL AAO 485048.40N/1163250.10W.

**(6) Fixes and/or NAVAID'S :**

(7) DP Name KARPS	(8) Number ONE	(9) DP Computer Code KARPS1.KARPS	(10) Superseded Number NONE	(11) Dated	(12) Effective Date 29 JUL 2010
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QUALITY  
4  
CHECKED

<b>(13) Airports Served</b>	
Airport Name <b>BOUNDARY COUNTY</b>	City/State <b>BONNERS FERRY, ID</b>
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State

**(14) Lost Communications Procedures:**

**(15) Communications: CTAF, ZSE**

**(16) Additional Flight Data:**  
 REFERENCE MAG VAR: K65S 16E EPOCH YR: 2010  
 DME/DME ASSESSMENT: NOT CONDUCTED.

**(17) Continuation:**



<b>(7) DP Name</b> KARPS	<b>(8) Number</b> ONE	<b>(9) DP Computer Code</b> KARPS1.KARPS	<b>(10) Superseded Number</b> NONE	<b>(11) Dated</b>	<b>(12) Effective Date</b> 29 JUL 2010
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### DEPARTURE (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG TYPE	(6) TC	(7) DIST (NM)	(8) ALTITUDE	(9) SPEED	(10) REMARKS
RW20 (AER)	484348.99N/1161724.05W	N	-	-	-	-			
2840	-	-	-	VA	218.35	-			CG 245 FT PER NM TO 5500
ZAKNI	484056.94N/1162049.61W	Y	FB	DF	-	-			
HEROX	483323.51N/1162412.96W	Y	FB	TF	196.58	7.89			
HITOT	481545.40N/1163435.01W	Y	FB	TF	201.44	18.95			
KARPS	474426.78N/1164509.90W	Y	FB	TF	192.84	32.13			

QUALITY  
 CHECKED  
 4

DP Name <b>KARPS</b>	Number <b>ONE</b>	DP Computer Code <b>KARPS1.KARPS</b>	Superseded Number <b>NONE</b>	Dated	Effective Date <b>29 JUL 2010</b>
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US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
KARPS	HITRU (FB)	004.26 / 37.42	8600	LNAV: ARHIY  CLIMBING LEFT TURN TO 8600 DIRECT WEBDA AND ON TRACK 158.09 TO HITRU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8600. WHEN AUTHORIZED BY ATC, CONTINUE CLIMB-IN-HOLD TO MEA FOR ROUTE OF FLIGHT.  ADDITIONAL FLIGHT DATA: HOLD S, LT, 338.11 INBOUND. FAS OBST: 3079 AAO 483752N/1162451W CHART 5644 TERRAIN 483730N/1163242W. CHART 5479 TERRAIN 483859N/1163009W. JATLI TO RW02: 3.02/45. FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.
CLASS	HITRU (FB)	322.10 / 30.25	8600	
HITRU (IAF)	WEBDA (FB)	338.11 / 10.34	5800	
WEBDA (IF)	JATLI (FB)	008.05 / 6.02	5200	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT WEBDA
- FAC: 008.11 FAF: JATLI DIST FAF TO MAP: 8.38 THLD: 8.86
- MIN. ALT: WEBDA 5800, JATLI 5200, ODXEW/6.22 NM TO ARHIY 4540
- 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: ARHIY 9000

MAG VAR: 16E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N	A	X	C			D			E		
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*	3260	1 1/4	930	3260	1 1/4	930	3260	2 3/4	930		NA				
LNAV MDA**	3880	1 1/4	1550	3880	1 1/2	1550	3880	3	1550		NA				
LNAV MDA	4480	1 1/4	2150	4480	1 1/2	2150	4480	3	2150		NA				
CIRCLING	4480	1 1/4	2143	4480	1 1/2	2143	4480	3	2143		NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, PROCEDURE NA.  
 CHART NOTE: \*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 400 FT PER NM TO 6600.  
 CHART NOTE: \*\*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 300 FT PER NM TO 6400.

CITY AND STATE <b>BONNERS FERRY, ID</b>	ELEVATION: 2337 TDZE: 2330 AIRPORT NAME: <b>BOUNDARY COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 2, ORIG</b> <b>29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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	1	2	3	4	5	6	7	8	9	0	1	2	3	
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3	
-----														
SUSAP K65SK1SARHIYK1EA												0	18018009025	M



CITY AND STATE BONNERS FERRY, ID	ELEVATION: 2337 TDZE: 2330 AIRPORT NAME: BOUNDARY COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**  
**RWY 02, NA - TERRAIN.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**  
**RWY 20 - USE KARPS (RNAV) DEPARTURE**

**(3) TAKEOFF OBSTACLE NOTES:**

**(4) CONTROLLING OBSTACLES:**



(5) City, State <b>BONNERS FERRY, ID</b>	(6) Airport <b>BOUNDARY COUNTY</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>ORIG</b>
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# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

RWY 14L, 14R, 32R STANDARD.

RWY 32L 300-1 ½ OR STANDARD WITH A MINIMUM CLIMB OF 250 FT PER NM TO 800.

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 32L, TREE, 1.24 NM FROM DER, 2285' LEFT OF CENTERLINE, 100' AGL/699' MSL. NOTE: RWY 32R, TREES BEGINNING 352' FROM DER, 198' LEFT OF CENTERLINE, UP TO 77' AGL/501' MSL. TREES BEGINNING 1349' FROM DER, 439' RIGHT OF CENTERLINE, UP TO 94' AGL/516' MSL.**

**(4) CONTROLLING OBSTACLES:**

RWY 32L 699 MSL TREE 383345.00N/0895309.00W



(5) City, State

BELLEVILLE, IL

(6) Airport

SCOTT AFB, MID AMERICA

(7) Effective Date

29 JUL 2010

(8) Amdt. No.

ORIG

### TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

RWY 17, 35, 3, 21, NA - ENVIRONMENTAL

RWY 34, STANDARD

RWY 16, 300-1 1/2 OR STANDARD WITH A MINIMUM CLIMB OR 285 FT PER NM TO 3300.

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**NOTE: RWY 16, TOWER 1.2 NM FROM DER, 352' LEFT OF CENTERLINE, 255' AGL/3125' MSL.

NOTE: RWY 34, MULTIPLE POLES BEGINNING 402' FROM DER, 437' LEFT OF CENTERLINE, UP TO 31' AGL/3030' MSL. VEHICLE ON ROAD 585' FROM DER, RIGHT TO LEFT OF CENTERLINE, UP TO 15' AGL/3025' MSL.

**(4) CONTROLLING OBSTACLES:**

RWY 16: 3125 MSL TOWER 394853.30N / 1010216.10W



(5) City State

ATWOOD, KS

(6) Airport

ATWOOD-RAWLINS COUNTY CITY - CO

(7) Effective Date

29 JUL 2010

(8) Amdt. No.

ORIG

### TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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**(1) TAKEOFF MINIMUMS:**  
**RWY 17, 35, STANDARD**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:** NOTE: RWY 35, VEHICLE ON ROAD BEGINNING 20' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15' AGL/1384' MSL. TREE 2689' FROM DER, 1125' LEFT OF CENTERLINE, 100' AGL/1489' MSL.

**(4) CONTROLLING OBSTACLES:**



(5) City, State

**BENTON, KS**

(6) Airport

**LLOYD STEARMAN FIELD**

(7) Effective Date

**29 JUL 2010**

(8) Amdt. No.

**ORIG**

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

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

**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ALMAS INT	CVY NDB	260.14 / 10.12	3100
KAKEL INT	CVY NDB	012.42 / 12.27	3100

**MAP: 2.52 MILES AFTER CVY NDB**

**CLIMB TO 2400 THEN CLIMBING LEFT TURN TO 3100 DIRECT CVY NDB AND HOLD.**

**ADDITIONAL FLIGHT DATA:**  
**HOLD E, LT, 290.30 INBOUND.**  
**FAS OBST: 1512 AAO 390105N/0964815W**  
**CHART MARSHALL AAF, KS ASOS.**  
**CHART R-3602A.**  
**CHART RILEY MOA.**  
**CHART R-3602B.**

1. PT R SIDE OF COURSE 110.30 OUTBOUND 3100 FT WITHIN 10 MILES OF CVY NDB (IAF)

2. \_\_\_\_\_

3. FAC 290.30 FAF CVY NDB DIST FAF TO MAP 2.52 THLD \_\_\_\_\_

4. MIN. ALT CVY NDB 3000

8. MSA FROM: CVY NDB 3400

MAG VAR: 6E EPOCH YEAR: 1995

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		X						
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	2140	1 1/4	1039	2140	1 1/2	1039		NA			NA				

NOTES:  
**CHART NOTE: USE MARSHALL AAF ALTIMETER SETTING, WHEN NOT RECEIVED USE MANHATTEN ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.**



CITY AND STATE JUNCTION CITY, KS	ELEVATION: 1101 TDZE: AIRPORT NAME: FREEMAN FIELD	FACILITY IDENTIFIER: CVY	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-B, AMDT 5 29 JUL 2010	SUP NDB OR GPS-B AMDT 4B DATE 06/04/2009
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**ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
FAR PART 97.29**

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
RYTHM INT	ANGER LOM	289.17 / 12.02	1800	<b>ILS: DA</b> <b>LOC: 4.65 MILES AFTER ANGER LOM</b>  CLIMB TO 1800 THEN LEFT TURN VIA 345 BEARING TO ANGER LOM AND HOLD; OR WHEN DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 1900 VIA HMU VOR R-185 TO HMU VOR AND HOLD N, RT, 174.89 INBOUND.  ADDITIONAL FLIGHT DATA: HOLD N, RT, 179.52 INBOUND. FAS OBST: 269 AAO 303500N/0902551W CHART IN PLANVIEW: HMU VOR. CHART IN PLANVIEW: ALTERNATE MA HOLDING. HOLD N HMU VOR, RT 174.89 INBOUND. CHART APT ELEVATION 47.
RQR VOR/DME	ANGER LOM	013.60 / 32.25	1800	
MCB VORTAC (IAF)	BARUN INT (NOPT)	181.88 / 32.89	2000	
BARUN INT (IF)	ANGER LOM	179.52 / 10.00 (I-HPF)	1800	

- PT L SIDE OF COURSE 359.52 OUTBOUND 1800 FT WITHIN 10 MILES OF ANGER LOM (IAF)
- 
- FAC: 179.52 FAF: \_\_\_\_\_ DIST FAF TO MAP: 4.65 THLD: 4.65
- MIN. ALT: ANGER LOM 1800
- DIST TO THLD FROM OM: 4.65 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1000
- MIN GS INCPT: 1800 GS ALT AT: GS INTCP OM: 1598 MM: - IM: -
- GS ANGLE: 3.00 TCH: 51.5
- MSA FROM: HP LOM 120-220 1700, 220-120 2100

MAG VAR: 0E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	<input type="checkbox"/> STANDARD	<input checked="" type="checkbox"/> X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N	<input type="checkbox"/> A	<input checked="" type="checkbox"/> X										
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 18	244	1/2	200	244	1/2	200	244	1/2	200	244	1/2	200				
S-LOC 18	440	1/2	396	440	1/2	396	440	1/2	396	440	3/4	396				
CIRCLING	500	1	453	500	1	453	500	1 1/2	453	620	2	573				

NOTES:  
 CHART NOTE: ADF REQUIRED.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MCB VORTAC VIA AIRWAY RADIALS 145 CW 242.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING AND INCREASE ALL DA 89 FEET, AND ALL MDA 100 FEET, INCREASE S-LOC 18 CAT C/D  
 SEE 8260-10



CITY AND STATE <b>HAMMOND, LA</b>	ELEVATION: 47 TDZE: 44 AIRPORT NAME: <b>HAMMOND NORTSHORE RGNL</b>	FACILITY IDENTIFIER: <b>I-HPF</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>ILS OR LOC RWY 18, AMDT 4, 07/29/2010</b>  <b>29 JUL 2010</b>	SUP: AMDT: <b>3</b> DATED <b>12/20/2007</b>
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**ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

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**NOTES CONT.**

**VISIBILITY 1/4 MILE AND CIRCLING CAT D VISIBILITY 1/4 MILE.**

**CHART NOTE: FOR INOPERATIVE MALSR WHEN USING LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING**

**INCREASE S-ILS 18 ALL CATS VISIBILITY TO 1 MILE.**

QUALITY  
5  
CHECKED

CITY AND STATE HAMMOND, LA	ELEVATION: 47 TDZE: 44 AIRPORT NAME: HAMMOND NORTSHORE RGNL	FACILITY IDENTIFIER: I-HPF	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 18, AMDT 4, 07/29/2010 29 JUL 2010	SUP:
				AMDT: 3
				DATED: 12/20/2007

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
BARUN (IF)	SUGVE (FB)	179.52 / 9.38	1800	LPV: DA LNAV/VNAV: DA LNAV: RW18  CLIMB TO 2200 DIRECT IYRON AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD S, RT, 359.52 INBOUND. CHART FAS OBST: 164 TREE 303235N/0902435W CHART 467 TOWER 303646N/0902348W. DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.14 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 45818 REFERENCE PATH ID: W18A CHART APT ELEVATION 47.

1. PT NA SIDE OF COURSE          OUTBOUND          FT WITHIN          MILES OF          (IAF)
2. PROFILE STARTS AT BARUN
3. FAC: 179.52 FAF: SUGVE DIST FAF TO MAP: 5.28 THLD: 5.28
4. MIN. ALT: BARUN 1800, SUGVE 1800, TUALA/1.80 NM TO RW18 660\*
5. DIST TO THLD FROM OM:          MM:          IM:          150 HAT:          100 HAT:          GS ANT:
6. MIN GS INCPT: 1800 GS ALT AT: SUGVE 1800 OM:          MM:          IM:
7. GS ANGLE: 3.00 TCH: 51.5 34:1 IS CLEAR
8. MSA FROM: RW18 2100

MAG VAR: 0E EPOCH YEAR: 2010

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @											
CATEGORY ==>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	244	1/2	200	244	1/2	200	244	1/2	200	244	1/2	200				
LNAV/VNAV DA	466	1	422	466	1	422	466	1	422	466	1	422				
LNAV MDA	460	1/2	416	460	1/2	416	460	3/4	416	460	1	416				
CIRCLING	500	1	453	500	1	453	500	1 1/2	453	620	2	573				

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PLANVIEW NOTE: RADAR REQUIRED  
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE



CITY AND STATE <b>HAMMOND, LA</b>	ELEVATION: 47 TDZE: 44 AIRPORT NAME: <b>HAMMOND NORTHSORE RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 18, AMDT 1, 07/29/2010</b> <b>29 JUL 2010</b>	SUP: AMDT: <b>ORIG</b> DATED <b>06/08/2006</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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**NOTES CONT.**

**\*LNAV ONLY**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING AND INCREASE ALL DA 89 FEET AND ALL MDA 100 FEET. INCREASE LNAV/VNAV ALL CATS, LNAV CATS C AND D, AND CIRCLING CAT D VISIBILITY 1/4 MILE.**

**CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV CAT D VISIBILITY TO 1 1/4 MILE.**

**CHART NOTE: FOR INOPERATIVE MALSR WHEN USING LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING INCREASE LPV ALL CATS VISIBILITY TO 1 MILE.**

**CHART NOTE: VDP NA WITH LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING.**

QUALITY  
5  
CHECKED

CITY AND STATE <b>HAMMOND, LA</b>	ELEVATION: 47 TDZE: 44 AIRPORT NAME: <b>HAMMOND NORTHSHORE RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 18, AMDT 1, 07/29/2010</b>  <b>29 JUL 2010</b>	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>06/08/2006</b>

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

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**FAS DATA BLOCK INFORMATION**

**DATA FIELD**

**DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHDC
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	303142.9500N
LTP/FTP LONGITUDE	0902509.2000W
LTP/FTP ELLIPSOIDAL HEIGHT	-00136
FPAP LATITUDE	303053.4500N
FPAP LONGITUDE	0902508.7200W
THRESHOLD CROSSING HEIGHT (TCH)	00051.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	92.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

**CRC REMAINDER**

ECDC6610

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00134
FPAP ORTHOMETRIC HEIGHT	+00134

QUALITY  
5  
CHECKED

CITY AND STATE HAMMOND, LA	ELEVATION: 47 TDZE: 44	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1, 07/29/2010  29 JUL 2010	SUP:
	AIRPORT NAME: HAMMOND NORTHSORE RGNL			AMDT: ORIG
				DATED: 06/08/2006





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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
COBIM (IF)	ZUMMI (FB)	314.59 / 6.10	2000	LNAV: RW31
				CLIMB TO 2000 DIRECT HEVOT AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 134.51 INBOUND. CHART FAS OBST: 169 TREE 303112N/0902409W CHART APT ELEVATION 47. CHART VDP AT 1.05 MILES TO RW31. ZUMMI TO RW31: 3.05/50.

- PT NA SIDE OF COURSE          OUTBOUND          FT WITHIN          MILES OF          (IAF)
- PROFILE STARTS AT COBIM
- FAC: 314.55 FAF: ZUMMI DIST FAF TO MAP: 5.90 THLD: 5.90
- MIN. ALT: COBIM 2000, ZUMMI 2000, JEGEM/1.60 NM TO RW31 580
- 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: RW31 2100

MAG VAR: 0E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	460	1	417	460	1	417	460	1 1/4	417	460	1 1/4	417			
CIRCLING	500	1	453	500	1	453	500	1 1/2	453	620	2	573			

NOTES:  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
CHART PLANVIEW NOTE: RADAR REQUIRED  
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.  
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE HAMMOND, LA	ELEVATION: 47 TDZE: 43 AIRPORT NAME: HAMMOND NORTHSORE RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 1, 07/29/2010 29 JUL 2010	SUP: AMDT: ORIG DATED 06/08/2006
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

**NOTES CONT.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, AND INCREASE LNAV CAT C AND CIRCLING CAT D VISIBILITY 1/4 MILE AND LNAV CAT D VISIBILITY 1/2 MILE.**  
**CHART NOTE: VDP NA WITH LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING.**



CITY AND STATE <b>HAMMOND, LA</b>	ELEVATION: 47 TDZE: 43 AIRPORT NAME: <b>HAMMOND NORTHSHORE RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 31, AMDT 1, 07/29/2010</b> <b>29 JUL 2010</b>	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>06/08/2006</b>



TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
RGR VOR/DME (IAF)	IYRON (FB)	031.91 / 16.83	2200	LPV: DA LNAV/VNAV: DA LNAV: RW36  CLIMB TO 1800 DIRECT BARUN AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD N, RT, 179.52 INBOUND. CHART FAS OBST: 197 TOWER 303043N/0902544W DISTANCE TO THLD FROM 250 HAT: 0.63 NM. CHART VDP AT 1.15 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 42718 REFERENCE PATH ID: W36A CHART APT ELEV 47.
WAVEZ (IAF)	IYRON (FB)	274.25 / 12.07	2200	
VEILS (IAF)	IYRON (FB)	085.19 / 18.62	2200	
IYRON (IF)	BEEHE (FB)	359.52 / 6.02	1800	

1. PT NA SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. PROFILE STARTS AT IYRON
3. FAC: 359.52 FAF: BEEHE DIST FAF TO MAP: 5.28 THLD: 5.28
4. MIN. ALT: IYRON 2200, BEEHE 1800, FELLO/1.80 NM TO RW36 660\*
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 1800 GS ALT AT: BEEHE 1800 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 92.0 34:1 IS NOT CLEAR
8. MSA FROM: RW36 2100

MAG VAR: 0E                      EPOCH YEAR: 2010

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N/A	STANDARD @						
CATEGORY ==>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	293	3/4	250	293	3/4	250	293	3/4	250	293	3/4	250				
LNAV/VNAV DA	447	1 1/2	404	447	1 1/2	404	447	1 1/2	404	447	1 1/2	404				
LNAV MDA	460	1	417	460	1	417	460	1 1/4	417	460	1 1/4	417				
CIRCLING	500	1	453	500	1	453	500	1 1/2	453	620	2	573				

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING.                      @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 SEE 8260-10



CITY AND STATE <b>HAMMOND, LA</b>	ELEVATION: 47    TDZE: 43 AIRPORT NAME: <b>HAMMOND NORTHSORE RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 36, ORIG, 07/29/2010</b> <b>29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

**NOTES CONT.**

**\*LNAV ONLY**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUIS ARMSTRONG NEW ORLEANS INTL**

**ALTIMETER SETTING AND INCREASE ALL DA 89 FEET AND ALL MDA 100 FEET, INCREASE LPV ALL CATS**

**VISIBILITY 1/2 MILE, LNAV/VNAV ALL CATS 1/4 MILE, LNAV CAT C AND CIRCLING CAT D 1/4 MILE, AND**

**LNAV CAT D 1/2 MILE.**

**CHART NOTE: VDP NA WITH LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT RQR VOR/DME ON V20-114 WEST BOUND.**



CITY AND STATE <b>HAMMOND, LA</b>	ELEVATION: 47 TDZE: 43 AIRPORT NAME: <b>HAMMOND NORTHSORE RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 36, ORIG, 07/29/2010</b>  <b>29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

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

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

**FAS DATA BLOCK INFORMATION**

<b><u>DATA FIELD</u></b>	<b><u>DATA</u></b>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHDC
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	303053.4500N
LTP/FTP LONGITUDE	0902508.7200W
LTP/FTP ELLIPSOIDAL HEIGHT	-00147
FPAP LATITUDE	303222.7500N
FPAP LONGITUDE	0902509.5800W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

**CRC REMAINDER** BE0A6940

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00123
FPAP ORTHOMETRIC HEIGHT	+00123

QUALITY  
5  
CHECKED

CITY AND STATE HAMMOND, LA	ELEVATION: 47 TDZE: 43	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG, 07/29/2010 29 JUL 2010	SUP:
	AIRPORT NAME: HAMMOND NORTSHORE RGNL			AMDT: NONE
				DATED:



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

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

SUSAP KHDCK4GRW36 0050013595 N30305345W090250872+0100 -0014700041000052150R

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

SUSAP KHDCK4PR36 RW36 001 0000W36A0N3030534500W09025087200-001470300N3032227500W09025095800106751224000520F400500BE0A6940  
 SUSAP KHDCK4PR36 RW36 002E +00123+00123LPV 42718

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

SUSAP KHDCK4SRW36 K4PG 0 18018002125 M



CITY AND STATE  
 HAMMOND, LA

ELEVATION: 47 TDZE: 43  
 AIRPORT NAME:  
 HAMMOND NORTHSORE RGNL

FACILITY IDENTIFIER:  
 RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  
 RNAV (GPS) RWY 36, ORIG, 07/29/2010  
 29 JUL 2010

SUP:  
 AMDT: NONE  
 DATED:

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

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

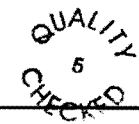
TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
RQR VOR/DME	HMU VOR	016.93 / 27.34	1900	MAP: HMU VOR  CLIMB TO 1900 THEN RIGHT TURN VIA HMU VOR R-185 TO HMU VOR AND HOLD.
RYTHM INT	HMU VOR	263.58 / 11.23	1900	
				ADDITIONAL FLIGHT DATA:  HOLD N, RT, 174.89 INBOUND. CHART FAS OBST: 467 TOWER 303646N/0902348W CHART APT ELEVATION 47. FAC CROSSES RWY C/L EXTENDED 3007 FROM THLD.

1. PT L SIDE OF COURSE 354.89 OUTBOUND 1900 FT WITHIN 10 MILES OF HMU VOR (IAF)  
 2. \_\_\_\_\_  
 3. FAC 174.89 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_  
 4. MIN. ALT \_\_\_\_\_  
 8. MSA FROM: HMU VOR 120-230 1700, 230-120 2100

MAG VAR: 0E EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		X						
CATEGORY ==>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-18	820	1/2	776	820	3/4	776	820	1 3/4	776	820	2	776			
CIRCLING	820	1	773	820	1 1/4	773	820	2 1/4	773	820	2 1/2	773			

NOTES:  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE S-18 CAT A/C/D AND CIRCLING CAT C/D VISIBILITIES 1/4 MILE.  
 CHART NOTE: FOR INOPERATIVE MALS R WHEN USING LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING INCREASE CAT A VISIBILITY TO 1 MILE.



CITY AND STATE HAMMOND, LA	ELEVATION: 47 TDZE: 44 AIRPORT NAME: HAMMOND NORTHSHORE RGNL	FACILITY IDENTIFIER: HMU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 18, AMDT 4, 07/29/2010  29 JUL 2010	SUP
				AMDT 3
				DATE 08/08/2006

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: HMU VOR
RQR VOR/DME	HMU VOR	016.93 / 27.34	1900	CLIMB TO 1900 THEN RIGHT TURN VIA HMU VOR R-355 TO HMU VOR AND HOLD.
RYTHM INT	HMU VOR	263.58 / 11.23	1900	
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 174.89 INBOUND. CHART FAS OBST: 360 TOWER 302533N/0901702W CHART APT ELEVATION 47. FAC CROSSES RWY C/L EXTENDED 3004 FROM THLD.

- PT R SIDE OF COURSE 128.49 OUTBOUND 1900 FT WITHIN 10 MILES OF HMU VOR (IAF)
- 
- FAC 308.49 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_
- MIN. ALT \_\_\_\_\_
- MSA FROM: HMU VOR 120-230 1700, 230-120 2100

MAG VAR: 0E EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: NA		X						
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-31	1000	1 1/4	957	1000	1 1/2	957	1000	3	957	1000	3	957			
CIRCLING	1000	1 1/4	953	1000	1 1/2	953	1000	3	953	1000	3	953			

NOTES:  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING.



CITY AND STATE HAMMOND, LA	ELEVATION: 47 TDZE: 43	FACILITY IDENTIFIER: HMU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 31, AMDT 5, 07/29/2010 29 JUL 2010	SUP
	AIRPORT NAME: HAMMOND NORTHSORE RGNL			AMDT 4
				DATE 03/15/2007

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

**RWY 12, 30 STANDARD.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 12, NUMEROUS POLES BEGINNING 40' FROM DER, 421' LEFT AND RIGHT OF CENTERLINE, UP TO 36' AGL/1,216' MSL. TRUCK ON ROADS BEGINNING 134' FROM DER, 37' LEFT AND RIGHT OF CENTERLINE, UP TO 22' AGL/1,202' MSL. TREE 3' FROM DER, 159' RIGHT OF CENTERLINE, 7' AGL/1,187' MSL.**

**NOTE: RWY 30, NUMEROUS TREES BEGINNING 726' FROM DER, 176' LEFT OF CENTERLINE, UP TO 70' AGL/1,278' MSL. TREE 1,338' FROM DER, 716' RIGHT OF CENTERLINE, 68' AGL/1,268' MSL.**

**(4) CONTROLLING OBSTACLES:**

QUALITY  
2  
CHECKED

(5) City, State <b>CANBY, MN</b>	(6) Airport <b>MYERS FIELD</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>1</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**NDB STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.27**

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

ADDITIONAL FLIGHT DATA:

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

MAG VAR:      EPOCH YEAR:     

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

NOTES:  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE <b>AVA, MO</b>	ELEVATION: 1311 TDZE: 1311 AIRPORT NAME: <b>AVA BILL MARTIN MEMORIAL</b>	FACILITY IDENTIFIER: <b>AOV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>NDB RWY 31, AMDT 1, 11/04/1999</b>	SUP <b>ORIG</b> DATE <b>09 FEB 98</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**GPS STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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

**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE


ADDITIONAL FLIGHT DATA:

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

2.   

3. FAC    FAF    DIST FAF TO MAP    THLD   

4. MIN. ALT   

8. MSA FROM:   

MAG VAR:    EPOCH YEAR:   

TAKEOFF: <input type="checkbox"/> STANDARD <input type="checkbox"/> SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A <input 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

NOTES:

PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE PERRYVILLE, MO	ELEVATION: 372    TDZE: 371 AIRPORT NAME:  PERRYVILLE MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 2, ORIG-A, 11/30/2000	SUP
				AMDT    ORIG
				DATE    10/07/1999

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

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

**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE


ADDITIONAL FLIGHT DATA:

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

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

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

NOTES:  
  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE PERRYVILLE, MO	ELEVATION: 372 TDZE: 372 AIRPORT NAME: PERRYVILLE MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 20, ORIG-A, 11/30/2000	SUP
				AMDT      ORIG
				DATE      10/07/2009

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

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet 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	LPV: DA LNAV/VNAV: DA LNAV: RW02
FAM VORTAC	LEBOH (FB)	080.19 / 9.48	3000	
BORYE (IAF)	ACDIV (NOPT) (FB)	287.27 / 5.00	3000	CLIMB TO 3000 DIRECT ENGYN AND HOLD.
LEBOH (IAF)	ACDIV (NOPT) (FB)	107.15 / 5.00	3000	
ACDIV (IF/IAF)	DEGVY (FB)	017.21 / 6.10	2200	
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 197.30 INBOUND. CHART FAS OBST: 714 TREE 374954N/0895236W DISTANCE TO THLD FROM 743 HAT: 2.20 NM. WAAS CHANNEL # 93618 REFERENCE PATH ID: W02A

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

MAG VAR: 0E EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: NA	X						
CATEGORY ==>>>>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	1114	2 3/4	743	1114	2 3/4	743	1114	2 3/4	743	1114	2 3/4	743				
LNAV/VNAV DA	1187	3	816	1187	3	816	1187	3	816	1187	3	816				
LNAV MDA	980	1	609	980	1	609	980	1 3/4	609	980	2	609				
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).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 \*LNAV ONLY  
 SEE 8260-10



CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: 372 TDZE: 371 AIRPORT NAME: <b>PERRYVILLE MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 2, ORIG 29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

**NOTES CONT.**

**CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE CAPE GIRARDEAU ALTIMETER SETTING AND INCREASE ALL DA/MDA 100 FEET AND INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS VISIBILITY 1 MILE, LNAV CAT C AND D VISIBILITY AND CIRCLING CAT C VISIBILITY 1/4 MILE AND CIRCLING CAT D VISIBILITY 1/2 MILE.**

**CHART NOTE: BARO-VNAV NA WHEN USING CAPE GIRARDEAU ALTIMETER SETTING.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT DUEAS VIA V125 SOUTHBOUND AND FOR ARRIVALS ON FAM VORTAC AIRWAY RADIALS 047 CW 129.**

**CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 20 NA AT NIGHT.**



CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: 372 TDZE: 371 AIRPORT NAME: <b>PERRYVILLE MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 2, ORIG 29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

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

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

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	K02
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	375139.0560N
LTP/FTP LONGITUDE	0895154.7335W
LTP/FTP ELLIPSOIDAL HEIGHT	+00829
FPAP LATITUDE	375304.2400N
FPAP LONGITUDE	0895121.3400W
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** 73994FE4

**ADDITIONAL PATH POINT RECORD INFORMATION**

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



CITY AND STATE PERRYVILLE, MO	ELEVATION: 372 TDZE: 371 AIRPORT NAME: PERRYVILLE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:



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

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

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

SUSAP K02 K3GRW02 0070030173 N37513906W089515473+0000 +0082900369052045100R

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

SUSAP K02 K3PR02 RW02 001 0000W02A0N375139056W08951547335+008290300N3753042400W08951213400106750776000450F40050073994FE4  
SUSAP K02 K3PR02 RW02 002E +01123+01123LPV 93618

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

SUSAP K02 K3SRW02 K3PG 0 18018002625 M



CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: 372 TDZE: 371 AIRPORT NAME: <b>PERRYVILLE MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 2, ORIG 29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
SUMAN	OFOLO (FB)	224.71 / 12.96	3000	LPV: DA LNAV/VNAV: DA LNAV: RW20
BURCK	FETPA (FB)	149.75 / 14.42	3000	
OFOLO (IAF)	ENGYN (NOPT) (FB)	287.36 / 5.00	3000	CLIMB TO 3000 DIRECT ACIV AND HOLD.
FETPA (IAF)	ENGYN (NOPT) (FB)	107.24 / 5.00	3000	
ENGYN (IF/IAF)	AGCOV (FB)	197.30 / 6.01	2200	
				ADDITIONAL FLIGHT DATA: HOLD S, RT, 017.21 INBOUND. CHART FAS OBST: 384 RD(N) 375242N/0895124W CHART FAS OBST: 792 ANT 375415N/0894943W DISTANCE TO THLD FROM 250 HAT: 0.65 NM. WAAS CHANNEL # 53418 REFERENCE PATH ID: W20A

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

MAG VAR: 0E EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF: <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> SEE FAA FORM 8260-15A FOR THIS AIRPORT <input type="checkbox"/> 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
LPV DA	622	1	250	622	1	250	622	1	250	622	1	250			
LNAV/VNAV DA	697	1 1/4	325	697	1 1/4	325	697	1 1/4	325	697	1 1/4	325			
LNAV MDA	980	1	608	980	1	608	980	1 3/4	608	980	2	608			
CIRCLING	980	1	608	980	1	608	1000	1 3/4	628	1100	2 1/4	728			

NOTES:  
 CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 20 PROCEDURE NA AT NIGHT.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 SEE 8260-10



CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: 372 TDZE: 372 AIRPORT NAME: <b>PERRYVILLE MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 20, ORIG 29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

\*LNAV ONLY

CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE CAPE GIRARDEAU ALTIMETER SETTING AND INCREASE ALL DA/MDA 100 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CAT C AND D, AND CIRCLING CAT C VISIBILITY 1/4 MILE AND CIRCLING CAT D VISIBILITY 1/2 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT SUMAN ON V72 NORTHEAST BOUND AND AT BURCK ON V125 NORTHWEST BOUND.

CHART NOTE: BARO-VNAV NA WITH CAPE GIRARDEAU ALTIMETER SETTING.



CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: 372 TDZE: 372 AIRPORT NAME: <b>PERRYVILLE MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 20, ORIG</b>  <b>29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

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

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	K02
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	375115.0600N
FPAP LONGITUDE	0895204.1200W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

**CRC REMAINDER** E72A90CC

**ADDITIONAL PATH POINT RECORD INFORMATION**

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

QUALITY  
 &  
 CHECKED

CITY AND STATE PERRYVILLE, MO	ELEVATION: 372 TDZE: 372	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: PERRYVILLE MUNI		RNAV (GPS) RWY 20, ORIG	AMDT: NONE
			29 JUL 2010	DATED:

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

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**ARINC PACKET - 424-18 - RNAV (GPS)**

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAEAENRT	ACDIV K30	W	N37403208W089561542					W0010	NAR	ACDIV			
SUSAEAENRT	ADDER K50	W	N37550939W089503225					W0011	NAR	ADDER			
SUSAEAENRT	AGCOV K50	W	N37575688W089492647					W0011	NAR	AGCOV			
SUSAEAENRT	BURCK K50	R L	N38173919W090022556					W0010	NAR	BURCK			
SUSAEAENRT	ENGYN K50	W	N38034156W089471084					W0011	NAR	ENGYN			
SUSAEAENRT	FETPA K50	W	N38051072W089531364					W0010	NAR	FETPA			
SUSAEAENRT	OFILO K50	W	N38021209W089410829					W0012	NAR	OFILO			
SUSAEAENRT	SUMAN K50	R L	N38112598W089293583					W0014	NAR	SUMAN			

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAP K02	K3AK02	0	070YHN37520720W089514370E000000372					18000	18000C	MNAR	PERRYVILLE MUNI		

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAP K02	K3FR20	ABURCK	010BURCK5EA0E	IF						18000			A JS
SUSAP K02	K3FR20	ABURCK	020FETPAK5EA0E	A 020TF		14980144		+ 03000					A JS
SUSAP K02	K3FR20	ABURCK	030ENGYNK5EA0EE	B 010TF		10720050		+ 03000					A JS
SUSAP K02	K3FR20	AENGYN	010ENGYNK5EA0EE	AR HF		19730040		+ 03000		18000			A JS
SUSAP K02	K3FR20	ASUMAN	010SUMANK5EA0E	IF						18000			A JS
SUSAP K02	K3FR20	ASUMAN	020OFILOK5EA0E	A 020TF		22470130		+ 03000					A JS
SUSAP K02	K3FR20	ASUMAN	030ENGYNK5EA0EE	B 010TF		28740050		+ 03000					A JS
SUSAP K02	K3FR20	R	010ENGYNK5EA0E	I IF				+ 03000		18000			A JS
SUSAP K02	K3FR20	R	020AGCOVK5EA1E	F 051TF		19730060		+ 02200			RW20	K3PGA	JS
SUSAP K02	K3FR20	R	020AGCOVK5EA2WALPV	ALNAV/VNAV ALNAV									JS
SUSAP K02	K3FR20	R	021ADDERK5EA0E	S 031TF		19730029		V 0124001250		-300			A JS
SUSAP K02	K3FR20	R	030RW20 K3PGOGY	M 031TF		19730026		00415		-300			A JS
SUSAP K02	K3FR20	R	040	0 M 010CA		1973		+ 00622					A JS
SUSAP K02	K3FR20	R	050ACDIVK3EA0EY	010DF				+ 03000					A JS
SUSAP K02	K3FR20	R	060ACDIVK3EA0EE	R020HM		01720040		+ 03000					A JS

QUALITY  
4  
CHECKED

CITY AND STATE PERRYVILLE, MO	ELEVATION: 372 TDZE: 372 AIRPORT NAME: PERRYVILLE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, ORIG 29 JUL 2010	SUP:
				AMD'T: NONE
				DATED:

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

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

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

SUSAP K02 K3GRW20 0070031973 N37524025W089513074+0000 +0083400370000045100R

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

SUSAP K02 K3PR20 RW20 001 0000W20A0N3752402545W08951307445+008340300N3751150600W08952041200106750616000450F400500E72A90CC  
 SUSAP K02 K3PR20 RW20 002E +01128+01128LPV 53418

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

SUSAP K02 K3SRW20 K3PG 0 18018002625 M



CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: 372 TDZE: 372 AIRPORT NAME: <b>PERRYVILLE MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 20, ORIG</b> 29 JUL 2010	SUP:
				AMDT: <b>NONE</b>
				DATED:

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

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

**(2) TEXTUAL DEPARTURE PROCEDURE:**

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

**(3) TAKEOFF OBSTACLE NOTES:**

**RWY 2, VEHICLES ON ROAD BEGINNING 3' FROM DER, 480' RIGHT OF CENTERLINE, UP TO 15' AGL/384' MSL. TREE 324 FROM DER, 458' RIGHT OF CENTERLINE, 75' AGL/379' MSL. TREE 412 FROM DER, 89' LEFT OF CENTERLINE, 75' AGL/381' MSL. TREES BEGINNING 2.1 NM FROM DER, 2560' RIGHT OF CENTERLINE, UP TO 75' AGL/714' MSL.**  
**RWY 20, VEHICLES ON ROAD BEGINNING 483' FROM DER, 577' LEFT OF CENTERLINE, UP TO 15' AGL/386' MSL. TREES BEGINNING 1.1 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 75' AGL/714' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 2, 1090' MSL TOWER 375711.00N-0895237.00W, 713' MSL TREE 375432.69N-0895013.19W, 714' MSL TREE 375436.89N-0895009.16W**  
**RWY 20, 714' MSL TREE 374953.87N-0895236.15W, 777' MSL TANK 374922.92N-0895126.49W, 628' MSL TREE 375033.15N-08952244.62W, 674' MSL TREE 374940.81N-0895203.64W**

QUALITY  
5  
CHECKED

(5) City, State <b>PERRYVILLE, MO</b>	(6) Airport <b>PERRYVILLE MUNI</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>ORIG</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.23**

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: MACEP/FAM 20.77 DME
MOGYU/FAM 7.00 DME CCW (IAF)	MAFYO/FAM 7.00 DME	7.00 DME ARC	3000	CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2400 VIA FAM VORTAC R-056 TO OZORA/15.00 DME AND HOLD.
MOJOB/FAM 7.00 DME CW (IAF)	MAFYO/FAM 7.00 DME	7.00 DME ARC	3000	
FAM VORTAC (IAF)	MAFYO/FAM 7.00 DME	055.62 / 7.00	3000	
MAFYO/FAM 7.00 DME (IF)	OZORA/FAM 15.00 DME	055.62 / 8.00 (FAM R-056)	2400	
				ADDITIONAL FLIGHT DATA: HOLD SW, LT, 056.00 INBOUND. CHART FAS OBST: 719 WTR TNK 374952N/0895117W CHART: 777 TANK 374922N-0895126W CHART FAM R-350 AT MOJOB. CHART FAM R-166 AT MOGYU. FAC CROSSES MID POINT OF RWY 2-20.

1. PT NA SIDE OF COURSE            OUTBOUND            FT WITHIN            MILES OF            (IAF)
2. PROFILE STARTS AT FAM VORTAC
3. FAC 055.62 FAF OZORA/FAM 15.00 DME DIST FAF TO MAP 5.77 THLD
4. MIN. ALT FAM VORTAC 3000, MAFYO 3000, OZORA 2400, MASZU/FAM 18.50 DME 1140\*
8. MSA FROM: FAM VORTAC 3300

MAG VAR: 1E                      EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: NA		X						
CATEGORY	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	1040	1	668	1040	1 1/4	668	1040	1 3/4	668	1100	2 1/4	728			

NOTES:  
 CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 20 NA AT NIGHT.  
 CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE CAPE GIRARDEAU ALTIMETER SETTING AND INCREASE ALL MDA 100 AND INCREASE CIRCLING CAT C AND D VISIBILITY 1/2 MILE.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT FAM VORTAC ON AIRWAY RADIALS 012 CW 114.  
 \*1240 WHEN USING CAPE GIRARDEAU ALTIMETER SETTING.



CITY AND STATE <b>PERRYVILLE, MO</b>	ELEVATION: 372    TDZE:	FACILITY IDENTIFIER: <b>FAM</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>VOR/DME-A, AMDT 5</b>  <b>29 JUL 2010</b>	SUP VOR/DME OR GPS- <b>A</b>
	AIRPORT NAME:  <b>PERRYVILLE MUNI</b>			AMDT <b>4</b>
				DATE <b>10/30/2003</b>

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

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**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

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

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

NOTES:  
  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE PERRYVILLE, MO	ELEVATION: 371 TDZE: 371	FACILITY IDENTIFIER: FAM	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RNAV RWY 20, AMDT 3A 30 NOV 2000	SUP
	AIRPORT NAME: PERRYVILLE MUNI			AMDT 3
				DATE 06/18/1998

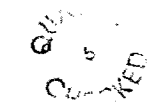
TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
FIRTU (IAF)	WODUD (NOPT) (FB)	088.08 / 5.00	2500	LNAV: RW18  CLIMB TO 2500 DIRECT CENOK AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD S, RT, 358.14 INBOUND. CHART FAS OBST: 657 TOWER 333045N/0882335W CHART: MERIDIAN EAST 1 MOA CHART: COLUMBUS 1 MOA TUDFU TO RW18: 3.05/40
KOMNO (IAF)	WODUD (NOPT) (FB)	268.19 / 5.00	2500	
WODUD (IF/IAF)	TUDFU (FB)	178.14 / 12.00	2000	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD N WODUD, RT, 178.14 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 178.14 FAF: TUDFU DIST FAF TO MAP: 5.48 THLD: 5.48
4. MIN. ALT: WODUD 2500, TUDFU 2000, SISYO/2.70 NM TO RW18 1080
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
7. GS ANGLE:        TCH: 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 1E EPOCH YEAR: 1985

MINIMUMS															
TAKEOFF:	STANDARD	<input checked="" type="checkbox"/>	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
LNAV MDA	1000	1	812	1000	1 1/4	812	1000	2 1/2	812	1000	2 3/4	812			
CIRCLING	1000	1	812	1000	1 1/4	812	1000	2 1/2	812	1000	2 3/4	812			

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.  
 CHART NOTE: USE COLUMBUS AFB ALTIMETER SETTING; WHEN NOT RECEIVED, USE GOLDEN TRIANGLE RGNL ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.



CITY AND STATE <b>COLUMBUS, MS</b>	ELEVATION: 188 TDZE: 188 AIRPORT NAME: <b>COLUMBUS-LOWNDES COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 18, ORIG-A 29 JUL 2010</b>	SUP: AMDT: <b>ORIG</b> DATED <b>06/03/2010</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

TAA	FROM	TO	ALT
1.	088/30 CW 268/30 (NOPT)	088/20 CW 268/20	3400
2.	088/20 CW 268/20	WODUD (IF/IAF) (FB)	2500
3.	268/30 CW 358/30	KOMNO (IAF) (FB)	2500
4.	358/30 CW 088/30	358/15 CW 088/15	3400
5.	358/15 CW 088/15	FIRTU (IAF) (FB)	2500



CITY AND STATE  
**COLUMBUS, MS**

ELEVATION: 188 TDZE: 188  
AIRPORT NAME:  
**COLUMBUS-LOWNDES COUNTY**

FACILITY IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
**RNAV (GPS) RWY 18, ORIG-A**  
**29 JUL 2010**

SUP:  
AMDT: **ORIG**  
DATED: **06/03/2010**

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

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

**ARINC PACKET - 424-18 - RNAV (GPS)**

<b>WP</b>	1	2	3	4	5	6	7	8	9	0	1	2	3
	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	CENOK K70	W	N33155628W088223845				W0016	NAR	CENOK				I
SUSAEENRT	FIRTU K70	W	N33454338W088291038				W0016	NAR	FIRTU				I
SUSAEENRT	KOMNO K70	W	N33455241W088171077				W0017	NAR	KOMNO				I
SUSAEENRT	SISYO K70	W	N33305970W088225461				W0016	NAR	SISYO				I
SUSAEENRT	TUDFU K70	W	N33334685W088225761				W0016	NAR	TUDFU				I
SUSAEENRT	WODUD K70	W	N33454804W088231058				W0016	NAR	WODUD				I

<b>AIRPORT</b>	1	2	3	4	5	6	7	8	9	0	1	2	3
	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KUBSK7AUBS	0	045YHN33275543W088224914E001000188				1800018000C	MNAR	COLUMBUS-LOWNDES COUNTY				I

<b>SEGMENT</b>	1	2	3	4	5	6	7	8	9	0	1	2	3
	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KUBSK7FR18	AFIRTU	010FIRTUK7EA0E	A	IF					18000		B JS	I
SUSAP	KUBSK7FR18	AFIRTU	020WODUDK7EA0EE	B	010TF		08810050		+ 02500			B JS	I
SUSAP	KUBSK7FR18	AKOMNO	010KOMNOK7EA0E	A	IF					18000		B JS	I
SUSAP	KUBSK7FR18	AKOMNO	020WODUDK7EA0EE	B	010TF		26820050		+ 02500			B JS	I
SUSAP	KUBSK7FR18	AWODUD	010WODUDK7EA0EE	AR	HF		17810040		+ 02500	18000		B JS	I
SUSAP	KUBSK7FR18	R	010WODUDK7EA0E	I	IF				+ 02500	18000		B JS	I
SUSAP	KUBSK7FR18	R	020TUDFUK7EA1E	F	051TF		17810120		+ 02000			B JS	I
SUSAP	KUBSK7FR18	R	020TUDFUK7EA2WN			N	ALNAV					JS	I
SUSAP	KUBSK7FR18	R	021SISYOK7EA0E	S	031TF		17810028		V 0108001094		-305	B JS	I
SUSAP	KUBSK7FR18	R	030RW18 K7PGOGY	M	031TF		17810027		00228		-305	B JS	I
SUSAP	KUBSK7FR18	R	040		0 M 010CA		1781		+ 00588			B JS	I
SUSAP	KUBSK7FR18	R	050CENOKK7EA0EY		010DF				+ 02500			B JS	I
SUSAP	KUBSK7FR18	R	060CENOKK7EA0EE		R020HM		35810040		+ 02500			B JS	I

<b>RUNWAY</b>	1	2	3	4	5	6	7	8	9	0	1	2	3
	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KUBSK7GRW18	0045001781	N33281742W088225170-0100				+0029000188000040100R				I		

CITY AND STATE COLUMBUS, MS	ELEVATION: 188 TDZE: 188	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG-A 29 JUL 2010	SUP:
	AIRPORT NAME: COLUMBUS-LOWNDES COUNTY			AMDT: ORIG
				DATED: 06/03/2010

### GRAPHIC DEPARTURE PROCEDURE (DP)

OBSTACLE       SID       RNAV

1. Bearings, headings, courses, tracks, and radials are magnetic.
2. Distances are in nautical miles.
3. Altitudes are minimum altitudes unless otherwise indicated.
4. Graphic depiction attached.

(1) DP Route Description: **TAKEOFF RWY 12:** CLIMBING RIGHT TURN HEADING 345.00 TO INTERCEPT BZN R-284 OUTBOUND TO 8000. AIRCRAFT DEPARTING WESTBOUND VIA V343 CLIMB ON COURSE, ALL OTHERS CONTINUE CLIMBING LEFT TURN TO INTERCEPT BZN R-274 TO BZN VOR/DME, CROSS BZN VOR/DME AT OR ABOVE MEA FOR ROUTE OF FLIGHT. **TAKEOFF RWY 30:** CLIMBING LEFT TURN HEADING 280.00 TO INTERCEPT BZN R-284 OUTBOUND TO 8000. AIRCRAFT DEPARTING WESTBOUND VIA V343 CLIMB ON COURSE, ALL OTHERS CONTINUE CLIMBING LEFT TURN TO INTERCEPT BZN R-274 TO BZN VOR/DME, CROSS BZN VOR/DME AT OR ABOVE MCA OR MEA FOR ROUTE OF FLIGHT.

(2) Transition Routes (Graphic Depiction Only)

(a) Transition Name	(b) Transition Computer Codes	(c) From FIX/NAVAID	(d) To FIX/NAVAID	(e) Course / Distance	(f) MEA / MOCA	(g) Crossing Altitudes/Fixes

(3) Procedural Data Notes / Takeoff Minimums:  
RWY 3, 21: NA - ATC  
RWY 12, 30: STANDARD

(4) Takeoff Obstacle Notes: NOTE: RWY 30, POLE 641' FROM DER, 622' LEFT OF CENTERLINE, 62' AGL/4452' MSL.

(5) Controlling Obstacles: RWY 12, 30: 9359 MSL AAO 454725.50N/1105615.90W, 9850 MSL AAO 455341.80N/1105801.20W, 11412 MSL AAO 452316.10N/1102910.20W

(6) Fixes and/or NAVAID'S :

Checked  
4  
CHECKED

(7) DP Name BOZEMAN	(8) Number TWO	(9) DP Computer Code BZN2.BZN	(10) Superseded Number ONE	(11) Dated 31 JUL 2008	(12) Effective Date 29 JUL 2010
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<b>(13) Airports Served</b>					
Airport Name <b>GALLATIN FIELD</b>		City/State <b>BOZEMAN,MT</b>			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
<b>(14) Lost Communications Procedures:</b>					
<b>(15) Communications:</b> SALT LAKE CENTER APP/DEP CON, BOZEMAN RCO, BOZEMAN TOWER, GND CON, ATIS					
<b>(16) Additional Flight Data:</b>					
<b>(17) Continuation:</b>					
<b>(7) DP Name</b> BOZEMAN	<b>(8) Number</b> TWO	<b>(9) DP Computer Code</b> BZN2.BZN	<b>(10) Superseded Number</b> ONE	<b>(11) Dated</b> 31 JUL 2008	<b>(12) Effective Date</b> 29 JUL 2010



US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
FAR PART 97.29

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

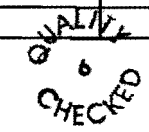
TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
HIA VOR/DME	THESE INT/HIA 26.87 DME	060.36 / 26.87	9700	ILS: DA LOC: 7.09 MILES AFTER MANNI LOM OR AT BZN 0.53 DME FIX
MENAR INT/BZN 13.40 DME	MANNI LOM	170.43 / 7.14	9300	
BZN VOR/DME	MANNI LOM/BZN 7.60 DME	296.11 / 7.60	7900	CLIMB TO 5200 THEN CLIMBING RIGHT TURN TO 8000 DIRECT MANNI LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8000; OR WHEN DIRECTED BY ATC, CLIMB TO 5200 THEN CLIMBING RIGHT TURN TO 8300 VIA HEADING 330 AND VIA BZN VOR/DME R-284 TO THESE/BZN 19.00 DME AND HOLD W, RT, 103.88 INBOUND. (DME REQUIRED).
THESE INT/HIA 26.87 DME (IAF)	FALIA INT/BZN 15.79 DME	060.00 / 5.14 (HIA R-060)	8000	
FALIA INT/BZN 15.79 DME (IF)	HEKIS/BZN 9.46 DME	122.76 / 6.33 (I-BZN)	7400	
FALIA INT/BZN 15.79 DME (IF)	MANNI LOM/BZN 7.60 DME (NOPT)	122.76 / 8.20 (I-BZN)	6800	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 123.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD W THESE INT/BZN 19.00 DME, RT, 103.88 INBOUND. FAS OBST: 4529 AAO 454954N/1111404W CHART IN PLANVIEW: HIA 32.01 DME AT FALIA.

- PT L SIDE OF COURSE 303.00 OUTBOUND 7900 FT WITHIN 10 MILES OF MANNI LOM (IAF)
- 
- FAC: 122.76 FAF: MANNI LOM DIST FAF TO MAP: 7.09 THLD: 7.09
- MIN. ALT: MANNI LOM 6800
- DIST TO THLD FROM OM: 7.09 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 905
- MIN GS INCPT: 7400 GS ALT AT: HEKIS/9.46 DME 7400 OM: 6781 MM: - IM: -
- GS ANGLE: 3.00 TCH: 52.5
- MSA FROM: BZ LOM 360-090 11400, 090-180 10500, 180-270 9000, 270-360 10900

MAG VAR: 13E EPOCH YEAR: 2010

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	ILS: STANDARD	LOC: STANDARD										
CATEGORY >>>>>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 12	4643	1/2	200	4643	1/2	200	4643	1/2	200	4643	1/2	200				
S-LOC 12	4840	1/2	397	4840	1/2	397	4840	1/2	397	4840	3/4	397				
CIRCLING	4940	1	467	4940	1	467	4940	1 1/2	467	5040	2	567				

NOTES:  
CHART NOTE: ADF REQUIRED.



CITY AND STATE <b>BOZEMAN, MT</b>	ELEVATION: 4473 TDZE: 4443 AIRPORT NAME: <b>GALLATIN FIELD</b>	FACILITY IDENTIFIER: <b>I-BZN</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>ILS OR LOC RWY 12, AMDT 7</b> <b>29 JUL 2010</b>	SUP: <b>ILS RWY 12</b> AMDT: <b>6</b> DATED <b>08/20/1992</b>
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US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
BZN VOR/DME	SURPE (FO)	111.14 / 17.84	11000	<b>LNAV: RW30</b>  <b>CLIMB TO 10000 DIRECT FALIA AND HOLD, CONTINUE CLIMB-IN-HOLD 10000.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD NW, RT, 122.74 INBOUND.</b> <b>CHART FAS OBST: 5884 TOWER 454135N/1105901W</b> <b>ZIPGO TO RW30: 5.17/45.</b>
WOMET	SURPE (FO)	076.47 / 19.33	11000	
LVM VOR/DME (IAF)	SURPE (NOPT) (FB)	238.45 / 16.10	11000	
SURPE (IF/IAF)	ZIPGO (FB)	273.01 / 7.50	10000	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD **E SURPE, RT, 259.00 INBOUND, 11000 FT. IN LIEU OF PT (IAF)**
- FAC: 302.89 FAF: ZIPGO DIST FAF TO MAP: 10.00 THLD: 10.00
- MIN. ALT: SURPE 11000, ZIPGO 10000
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: 34:1 IS CLEAR
- MSA FROM: RW30 12300

MAG VAR: 13E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF: <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> X SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A		@												
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
CIRCLING	6280	1 1/4	1807	6280	1 1/2	1807	6280	3	1807	6280	3	1807			

NOTES:  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT.

@ CAT A, B 1900-2, CAT C, D 1900-3

04/14  
6  
CHECKED

CITY AND STATE <b>BOZEMAN, MT</b>	ELEVATION: 4473 TDZE: AIRPORT NAME: <b>GALLATIN FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS)-A, AMDT 1 29 JUL 2010</b>	SUP: AMDT: <b>ORIG-A</b> DATED <b>02/17/2005</b>
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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**ARINC PACKET - 424-18 - RNAV (GPS)**

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	BZN	K1011240VDHW	N45470204W111091964		N45470204W111091964	E0180044362		NARBOZEMAN					
SUSAD	LVM	K1011610VDLW	N45420890W110263290		N45420890W110263290	E0150046501		NARLIVINGSTON					

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAEAENRT	FALIA	K10	C	L	N45581284W111251720			NAR		FALIA			
SUSAEAENRT	SURPE	K10	W		N45365958W110481755			NAR		SURPE			
SUSAEAENRT	WOMET	K10	W	L	N45365227W111155003			NAR		WOMET			
SUSAEAENRT	ZIPGO	K10	W		N45390322W110583416			NAR		ZIPGO			

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBZ	NK1ABZN		0	089YHN45463920W111091073E013004473		1800018000C	MNAR		GALLATIN FIELD			

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBZ	NK1FRNV-A	ABZN	010BZN	K1D OV	IF				18000			B JC
SUSAP	KBZ	NK1FRNV-A	ABZN	020SURPEK1EA0EY	020TF		11110178	+ 11000					B JC
SUSAP	KBZ	NK1FRNV-A	ABZN	030SURPEK1EA0EE	AR HF		25900080	+ 11000					B JC
SUSAP	KBZ	NK1FRNV-A	ALVM	010LVM	K1D OV A	IF				18000			B JC
SUSAP	KBZ	NK1FRNV-A	ALVM	020SURPEK1EA0EE	B 010TF		23850161	+ 11000					B JC
SUSAP	KBZ	NK1FRNV-A	AWOMET	010WOMETK1EA0E	IF					18000			B JC
SUSAP	KBZ	NK1FRNV-A	AWOMET	020SURPEK1EA0EY	020TF		07650193	+ 11000					B JC
SUSAP	KBZ	NK1FRNV-A	AWOMET	030SURPEK1EA0EE	AR HF		25900080	+ 11000					B JC
SUSAP	KBZ	NK1FRNV-A	R	010SURPEK1EA0E	I IF			+ 11000		18000			B JC
SUSAP	KBZ	NK1FRNV-A	R	020ZIPGOK1EA0E	F 051TF		27300075	+ 10000			RW30	K1PGB	JC
SUSAP	KBZ	NK1FRNV-A	R	030RW30	K1PGOGY M 031TF		30290100	04507			-517		B JC
SUSAP	KBZ	NK1FRNV-A	R	040	0 M 010CA		3029	+ 04873					B JC
SUSAP	KBZ	NK1FRNV-A	R	050FALIAK1EA0EY	010DF			+ 10000					B JC
SUSAP	KBZ	NK1FRNV-A	R	060FALIAK1EA0EE	R020HM		12270070	+ 10000					B JC



CITY AND STATE BOZEMAN, MT	ELEVATION: 4473 TDZE: AIRPORT NAME: GALLATIN FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG-A
				DATED: 02/17/2005

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
SUSAP KBZ NKLRW30	0089943028	N45461348W	111083079-0400	+1348704462000050150D									

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
SUSAP KBZ NKLSRW30	KLPG	0	18018012325	M									



CITY AND STATE  
**BOZEMAN, MT**

ELEVATION: 4473 TDZE:  
 AIRPORT NAME:  
**GALLATIN FIELD**

FACILITY IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
**RNAV (GPS)-A, AMDT 1**  
**29 JUL 2010**

SUP:
AMDT: <b>ORIG-A</b>
DATED: <b>02/17/2005</b>

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
HIA VOR/DME	HEBIV (FB)	065.36 / 19.00	9500	LPV: DA LNAV/VNAV: DA LNAV: RW12
HEBIV	THESE (FB)	065.66 / 7.87	8300	
LVM VOR/DME	QIVHY (FB)	278.01 / 32.00	12300	CLIMB TO 8300 DIRECT WOLAT AND RIGHT TURN VIA TRACK 228.51 TO CISED AND VIA TRACK 316.88 TO THESE AND HOLD.
QIVHY	FEVIM (FO)	277.51 / 10.93	9000	
RANEY	POPWI (FB)	340.34 / 14.00	10000	ADDITIONAL FLIGHT DATA: HOLD W, RT, 074.31 INBOUND. CHART FAS OBST: 4455 POLE 454715N/1111010W FAS OBST: 4529 AAO 454954N/1111404W DISTANCE TO THLD FROM 250 HAT: 0.68 NM. CHART VDP AT 1.51 MILES TO RW12* *LNAV ONLY. WAAS CHANNEL # 72816 REFERENCE PATH ID: W12A
POPWI	FEVIM (FO)	340.31 / 12.50	8000	
THESE (IAF)	FEVIM (NOPT) (FB)	074.31 / 5.91	8000	
SEE 8260-10				

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD NW FEVIM, RT, 122.59 INBOUND, 8000 FT. IN LIEU OF PT (IAF)
- FAC: 122.67 FAF: OLENY DIST FAF TO MAP: 7.15 THLD: 7.15
- MIN. ALT: FEVIM 8000, HAYCI 7300, OLENY 6800
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 6800 GS ALT AT: OLENY 6800 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 52.5 34:1 IS CLEAR
- MSA FROM: RW12 12300

MAG VAR: 13E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD											
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	4693	1/2	250	4693	1/2	250	4693	1/2	250	4693	1/2	250				
LNAV/VNAV DA	5094	1 3/4	651	5094	1 3/4	651	5094	1 3/4	651	5094	1 3/4	651				
LNAV MDA	4960	1/2	517	4960	1/2	517	4960	1	517	4960	1 1/4	517				
CIRCLING	4960	1	487	4960	1	487	4960	1 1/2	487	5040	2	567				

NOTES:  
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV DA ALL CATS VISIBILITY TO 1 MILE.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23C (-9F) OR ABOVE 40C (104F).  
CHART NOTE: DME/DME RNP-0.3 NA.  
SEE 8260-10



CITY AND STATE <b>BOZEMAN, MT</b>	ELEVATION: 4473 TDZE: 4443 AIRPORT NAME: <b>GALLATIN FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) Y RWY 12, ORIG 29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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TERMINAL ROUTES CONT.

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GODFE (IAF)	FEVIM (NOPT) (FB)	162.51 / 18.51	8000
FEVIM (IF/IAF)	HAYCI (FB)	122.59 / 4.80	7300
HAYCI	OLENY (FB)	122.65 / 2.05	6800

NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LVM VOR/DME VIA V2 SOUTHEAST BOUND AND AT THESE VIA V343 NORTHWEST BOUND AND AT GODFE VIA V365-536 NORTHWEST BOUND.



CITY AND STATE BOZEMAN, MT	ELEVATION: 4473 TDZE: 4443 AIRPORT NAME: GALLATIN FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 12, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBZN
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	454717.1070N
LTP/FTP LONGITUDE	1110959.3340W
LTP/FTP ELLIPSOIDAL HEIGHT	+13373
FPAP LATITUDE	454608.1700N
FPAP LONGITUDE	1110823.4200W
THRESHOLD CROSSING HEIGHT (TCH)	00052.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0232
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 648101BC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+13487
FPAP ORTHOMETRIC HEIGHT	+13487



CITY AND STATE BOZEMAN, MT	ELEVATION: 4473 TDZE: 4443 AIRPORT NAME: GALLATIN FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 12, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:



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

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SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBZLNK1FR12-Y ARANEY	010RANEY	K1EA0E		IF						18000		A JS	
SUSAP KBZLNK1FR12-Y ARANEY	020POPWIK1EA0E		020TF			34030140	+ 10000					A JS	
SUSAP KBZLNK1FR12-Y ARANEY	030FEVIMK1EA0EY		020TF			34030125	+ 08000					A JS	
SUSAP KBZLNK1FR12-Y ARANEY	040FEVIMK1EA0EE AR	HF				12260070	+ 08000					A JS	
SUSAP KBZLNK1FR12-Y ATHESE	010THESEK1EA0E A	IF								18000		A JS	
SUSAP KBZLNK1FR12-Y ATHESE	020FEVIMK1EA0EE B	010TF				07430059	+ 08000					A JS	
SUSAP KBZLNK1FR12-Y R	010FEVIMK1EA0E I	IF								18000		A JS	
SUSAP KBZLNK1FR12-Y R	011HAYCIK1EA0E S	051TF				12260048	+ 07300					A JS	
SUSAP KBZLNK1FR12-Y R	020OLENYK1EA1E F	051TF				12270021	+ 06800				RW12 K1PGA	A JS	
SUSAP KBZLNK1FR12-Y R	020OLENYK1EA2WALPV				ALNAV/VNAV							JS	
SUSAP KBZLNK1FR12-Y R	030RW12 K1PGOGY M	031TF				12270072		04477		-300		A JS	
SUSAP KBZLNK1FR12-Y R	040		0 M	010CA		1227	+ 04693					A JS	
SUSAP KBZLNK1FR12-Y R	050WOLATK1EA0E		010DF									A JS	
SUSAP KBZLNK1FR12-Y R	060CISEDK1EA0E		R010TFY			2285						A JS	
SUSAP KBZLNK1FR12-Y R	070THESEK1EA0EY		010TF			3169	+ 08300					A JS	
SUSAP KBZLNK1FR12-Y R	080THESEK1EA0EE		R020HM			07430070	+ 08300					A JS	
RUNWAY	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBZLNK1GRW12	0089941228	N45471711W111095933	+0400			-1337304425000053150I							
PP	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBZLNK1PR12-Y RW12	001Y0000W12A0N4547171070W11109593340		+133730300N4546081700W11108234200106750232000525F4005006481013C										
SUSAP KBZLNK1PR12-Y RW12	002E	+13487+13487LPV				72816							
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBZLNK1SRW12 K1PG			0	18018012325								M	

QUALITY  
6  
CHECKED

CITY AND STATE  
**BOZEMAN, MT**

ELEVATION: 4473 TDZE: 4443  
 AIRPORT NAME:  
**GALLATIN FIELD**

FACILITY IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
**RNAV (GPS) Y RWY 12, ORIG**  
**29 JUL 2010**

SUP:  
 AMDT: **NONE**  
 DATED:

U.S. Department of Transportation  
Federal Aviation Administration

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

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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP DA	
GODFE	THESE (TF) (FB) (RNP 2.00)	180.39/19.25	8300	CLIMB TO 8300 VIA TRACK 302.78 TO HUXAN AND VIA TRACK 271.72 TO THESE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8300.	
THESE (IAF)	FIDEP (TF) (FB) (RNP 1.00)	127.69/18.12	8300		
FIDEP (IF)	CUTUR (TF) (FB) (RNP 1.00)	122.75/5.00	7800		
CUTUR	FIBNY (RF) (FB) (RNP 0.50)	(3.10 NM RADIUS CCW XAQTO) /1.53	7500		
HIA VOR/DME (IAF)	KECOT (TF) (FB) (RNP 1.00)	093.69/39.62	8600		
KECOT (IF)	FIBNY (TF) (FB) (RNP 1.00)	094.41/5.00	7500	ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.98 INBOUND CHART FAS OBST: 4529 TREE 454518N/1110752W ROUTE TYPE: A,R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S #TCH 4507.3 MSL (DO NOT CHART) DISTANCE TO THLD FROM 280 HAT: 0.74NM	
FIBNY	MODJY (RF) (FB) (RNP 0.50)	(3.10 NM RADIUS CCW XAQTO) /1.76	7400		
CONT'D ON PAGE 2					

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT SITRE
- FAC: 302.81 FAF:        DIST FAF TO MAP:        THLD:
- MIN. ALT:
- DIST TO THLD FROM OM: 3.71 MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCP: 5700 GS ALT AT: SITRE 5700 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 45.0# 34:1 IS NOT CLEAR
- MSA FROM: RW30 12300

MAG VAR: 13E EPOCH YEAR: 2010

**MINIMUMS**

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

**SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED**

RNP 0.11 * DA	4742	1	280	4742	1	280	4742	1	280	4742	1	280			
RNP 0.20 DA	4824	1 1/4	362	4824	1 1/4	362	4824	1 1/4	362	4824	1 1/4	362			
RNP 0.30 DA	4881	1 1/2	419	4881	1 1/2	419	4881	1 1/2	419	4881	1 1/2	419			

NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -24C (-11F) OR ABOVE 39C (102F). WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART NOTE: RF REQUIRED. CHART PLANVIEW NOTE AT: CUTUR, FIBNY, MODJY, CIVMO, JANOK: MAX 180 KIAS. CHART NOTE: \* MISSED APPROACH REQUIRES MINIMUM CLIMB OF 350 FT PER NM TO 6000. CHART PLANVIEW NOTE AT: GODFE, JOXIT, HIA VOR/DME: (RNP 0.50) LVM: (RNP 0.30). CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CHART NOTE: GPS REQUIRED.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GODFE VIA V365-536 NORTHWEST BOUND AND AT RANEY VIA V343 SOUTHWEST BOUND.

CITY AND STATE	ELEVATION: 4473 TDZE: 4462	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 29 JUL 2010 RNAV (RNP) RWY 30, ORIG	SUP: <b>QUALIFIED</b>
BOZEMAN, MT	AIRPORT NAME: GALLATIN FIELD			AMDT: NONE
				DATE

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

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TERMINAL ROUTES (CONT'D)

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JOXIT (IAF)	RANEY (TF) (FB) (RNP 1.00)	011.04/4.71	11300
RANEY	WOMET (TF) (FB) (RNP 1.00)	011.08/6.45	9000
WOMET (IF)	MODJY (TF) (FB) (RNP 0.50)	061.89/6.58	7400
MODJY	CIVMO (RF) (FB) (RNP 0.50)	(3.00 NM RADIUS CCW XAYEJ)/2.05	6800
CIVMO	JANOK (RF) (FB) (RNP 0.50)	(3.00 NM RADIUS CCW XAYEJ)/1.83	6300
JANOK	SITRE (RF) (FB) (RNP 0.50)	(3.00 NM RADIUS CCW XAYEJ)/2.36	5700
LVM VOR/DME (IAF)	PESRE (TF) (FB) (RNP 1.00)	245.71/14.30	9000
PESRE (IF)	TIYOL (TF) (FB) (RNP 1.00)	245.51/4.00	8800
TIYOL	LAVPE (RF) (FB) (RNP 0.50)	(6.00 NM RADIUS CW XAPJY)/2.44	8300
LAVPE	JAPER (RF) (FB) (RNP 0.50)	(5.50 NM RADIUS CW XAMAQ)/2.98	7300
JAPER	MOSNE (TF) (FB) (RNP 0.30)	299.70/3.46	6300
MOSNE	SITRE (TF) (FB) (RNP 0.30)	302.83/1.89	5700
SITRE (FAF)	RW30 (TF) (FO)	302.81/3.71	
RW30 (MAP)	HUXAN (TF) (FB) (RNP 1.00)	302.78/12.06	8300
HUXAN	THESE (TF) (FO) (RNP 1.00)	271.72/8.58	

QUALITY  
 CHECKED

CITY AND STATE  BOZEMAN, MT	ELEVATION: 4473 TDZE: 4462 AIRPORT NAME: GALLATIN FIELD	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:  RNAV (RNP) RWY 30, ORIG 29 JUL 2010	SUP:
				AMD'T: NONE
				DATED:





U.S. Department of Transportation  
Federal Aviation Administration

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

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP DA	
GODFE (IAF)	ZIVTI (TF) (FB) (RNP 1.00)	156.59/16.24	8100	CLIMB TO 8300 VIA TRACK 122.76 TO HETSI, AND VIA RIGHT TURN TO HAXAG, AND VIA TRACK 319.70 TO THESE AND HOLD.	
ZIVTI	HUXAN (TF) (FB) (RNP 1.00)	156.63/5.00	7400		
HIA VOR/DME (IAF)	THESE (TF) (FB) (RNP 1.00)	065.36/26.87	8300		
THESE (IAF)	HUXAN (TF) (FB) (RNP 1.00)	091.58/8.58	7400	ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.98 INBOUND CHART FAS OBST: 4449 TREE 454741N/1111059W ROUTE TYPE: A,R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S #TCH 4477.4 MSL (DO NOT CHART) DISTANCE TO THLD FROM 348 HAT: 0.98NM	
HUXAN (IF)	WOSAG (TF) (FB) (RNP 0.50)	122.64/4.50	6400		
WOSAG	JURAL (TF) (FB) (RNP 0.50)	122.69/2.59	5600		
JOXIT (IAF)	RANEY (TF) (FB) (RNP 1.00)	011.04/4.71	11200		
CONT'D ON PAGE 2					

- PT NA SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- PROFILE STARTS AT JURAL
- FAC: 122.72 FAF: \_\_\_\_\_ DIST FAF TO MAP: \_\_\_\_\_ THLD: \_\_\_\_\_
- MIN. ALT: \_\_\_\_\_
- DIST TO THLD FROM OM: 3.49 MM: \_\_\_\_\_ IM: \_\_\_\_\_ 150 HAT: \_\_\_\_\_ 100 HAT: \_\_\_\_\_ GS ANT: \_\_\_\_\_
- MIN GS INCPT: 5600 GS ALT AT: JURAL 5600 OM: \_\_\_\_\_ MM: \_\_\_\_\_ IM: \_\_\_\_\_
- GS ANGLE: 3.00 TCH: 52.5# 34:1 IS NOT CLEAR
- MSA FROM: RW12 12300

MAG VAR: 13E EPOCH YEAR: 2010

**MINIMUMS**

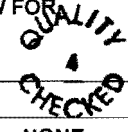
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD											
CATEGORY =====>	A			B			C			D			E			
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	

**SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED**

RNP 0.30 DA	4791	1	348	4791	1	348	4791	1	348	4791	1	348			

NOTES: CHART NOTE: GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -23C (-11F) OR ABOVE 39C (102F). WHEN VGS/ INOP, PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE : RF REQUIRED. CHART PLANVIEW NOTE: TETBY, WINIX, KASRE : MAX 180 KIAS. CHART PLANVIEW NOTE: HETSI, HAXAG: MAX 240 KIAS. CHART PLANVIEW NOTE AT HIA, GODFE: (RNP 0.50), AT JOXIT, LVM: (RNP 0.40). PROCEDURE NA FOR ARRIVALS VIA GATEY, RANEY, WOMET VIA V343 SOUTHBOUND, GODFE VIA V365-536 NORTHWEST BOUND AND THESE VIA V343 NORTHWEST BOUND. CHART NOTE: FOR INOPERATIVE MALSR INCREASE RNP 0.30 VISIBILITY TO 1 1/4 ALL CATS. CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CITY AND STATE  BOZEMAN, MT	ELEVATION: 4473 TDZE: 4443	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 29 JUL 2010 RNAV (RNP) Z RWY 12, ORIG	SUP:
	AIRPORT NAME: GALLATIN FIELD			AMDT: NONE
				DATE



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

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

**TERMINAL ROUTES (CONT'D)**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RANEY	WOMET (TF) (FB) (RNP 1.00)	011.08/6.45	9600
WOMET (IF)	WINIX (TF) (FB) (RNP 1.00)	328.30/10.41	8100
LVM VOR/DME (IAF)	JAPER (TF) (FB) (RNP 1.00)	251.53/23.09	9000
JAPER	GATEY (TF) (FB) (RNP 1.00)	258.56/10.13	9000
GATEY (IF)	KASRE (TF) (FB) (RNP 1.00)	309.93/7.21	8300
KASRE	WINIX (RF) (FB) (RNP 0.40)	(3.00 NM RADIUS CW OQSAF)/0.96	8100
WINIX	TETBY (RF) (FB) (RNP 0.40)	(3.00 NM RADIUS CW OQSAF)/2.85	7200
TETBY	JURAL (RF) (FB) (RNP 0.40)	(3.00 NM RADIUS CW OQSAF)/5.23	5600
JURAL (FAF)	RW12 (TF) (FO)	122.72/3.49	
RW12 (MAP)	HETSI (TF) (FB) (RNP 1.00)	122.76/4.40	
HETSI	HAXAG (RF) (FB) (RNP 1.00)	(5.50 NM RADIUS CW EXKUX)/18.91	
HAXAG	THESE (TF) (FO) (RNP 1.00)	319.70/21.70	8300

6  
 CHECKED

CITY AND STATE  <b>BOZEMAN, MT</b>	ELEVATION: <b>4473</b> TDZE: <b>4443</b> AIRPORT NAME: <b>GALLATIN FIELD</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>29 JUL 2010</b> <b>RNAV (RNP) Z RWY 12, ORIG</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

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

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ARINC PACKET - 424-18 - RNAV (RNP)

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	HIA	K1011370VDHW	N45514244W112101059	N45514244W112101059	E0180046522	NARWHITEHALL							
SUSAD	LVM	K1011610VDLW	N45420890W110263290	N45420890W110263290	E0150046501	NARLIVINGSTON							

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAEAENRT	EXKUX	K10	W R	N45401758W111111346			E0129	NAR			EXKUX		
SUSAEAENRT	GATEY	K10	C L	N45400784W111134504			E0129	NAR			GATEY		
SUSAEAENRT	GODFE	K10	C L	N46154490W111260388			E0131	NAR			GODFE		
SUSAEAENRT	HAXAG	K10	W R	N45374604W111181132			E0129	NAR			HAXAG		
SUSAEAENRT	HETSI	K10	W R	N45440794W111053637			E0129	NAR			HETSI		
SUSAEAENRT	HUXAN	K10	W R	N45545146W111203386			E0130	NAR			HUXAN		
SUSAEAENRT	JAPER	K10	C H	N45395223W110591904			E0128	NAR			JAPER		
SUSAEAENRT	JOXIT	K10	W RL	N45264114W111221866			E0129	NAR			JOXIT		
SUSAEAENRT	JURAL	K10	W R	N45494710W111132834			E0130	NAR			JURAL		
SUSAEAENRT	KASRE	K10	W R	N45455274W111195751			E0130	NAR			KASRE		
SUSAEAENRT	QOSAF	K10	W R	N45474142W111163252			E0130	NAR			QOSAF		
SUSAEAENRT	RANEY	K10	C L	N45305911W111193494			E0129	NAR			RANEY		
SUSAEAENRT	TETBY	K10	W R	N45492643W111200149			E0130	NAR			TETBY		
SUSAEAENRT	THESE	K10	C L	N45570159W111322710			E0131	NAR			THESE		
SUSAEAENRT	WINIX	K10	W R	N45464350W111203605			E0130	NAR			WINIX		
SUSAEAENRT	WOMET	K10	W RL	N45365227W111155003			E0129	NAR			WOMET		
SUSAEAENRT	WOSAG	K10	W R	N45513839W111160372			E0130	NAR			WOSAG		
SUSAEAENRT	ZIVTI	K10	W R	N45594649W111215117			E0130	NAR			ZIVTI		

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBZKNLABZN	0	089YHN45463920W111091073E013004473					1800018000C	MNAR		GALLATIN FIELD			

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBZNK1FR12-Z AGODFE	010GODFEK1EA0E	A	IF							18000		A PS	
SUSAP KBZNK1FR12-Z AGODFE	020ZIVTIK1EA0E		010TF				15660162	+ 08100				A PS	
SUSAP KBZNK1FR12-Z AGODFE	030HUXANK1EA0E	B	010TF				15660050	+ 07400				A PS	
SUSAP KBZNK1FR12-Z AGODFE	040WOSAGK1EA0E		051TF				12260045	+ 06400				A PS	
SUSAP KBZNK1FR12-Z AGODFE	050JURALK1EA0EE		051TF				12270026	+ 05600				A PS	
SUSAP KBZNK1FR12-Z AHIA	010HIA K1D 0V A	IF								18000		A PS	
SUSAP KBZNK1FR12-Z AHIA	020THESEK1EA0E		010TF				06540269	+ 08300				A PS	
SUSAP KBZNK1FR12-Z AHIA	030HUXANK1EA0E	B	010TF				09160086	+ 07400				A PS	



CITY AND STATE <b>BOZEMAN, MT</b>	ELEVATION: <b>4473</b>	TDZE: <b>4443</b>	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>GALLATIN FIELD</b>		<b>RNAV</b>	<b>RNAV (RNP) Z RWY 12, ORIG</b>	AMDT: <b>NONE</b>
				<b>29 JUL 2010</b>	DATED:

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

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SUSAP KBZK1FR12-Z AHIA	040WOSAGK1EA0E	051TF		12260045	+ 06400			A PS
SUSAP KBZK1FR12-Z AHIA	050JURALK1EA0EE	051TF		12270026	+ 05600			A PS
SUSAP KBZK1FR12-Z AJOXIT	010JOXITK1EA0E	A IF				18000		A PS
SUSAP KBZK1FR12-Z AJOXIT	020RANEYK1EA0E	010TF		01100047	+ 11200			A PS
SUSAP KBZK1FR12-Z AJOXIT	030WOMETK1EA0E	B 010TF		01110065	+ 09600			A PS
SUSAP KBZK1FR12-Z AJOXIT	040WINIXK1EA0E	010TF		32830104	+ 08100	180		A-PS
SUSAP KBZK1FR12-Z AJOXIT	050TETBYK1EA0E	R041RF	0030003283	02270029	+ 07200	180	QOSAF K1EAA-PS	
SUSAP KBZK1FR12-Z AJOXIT	060JURALK1EA0EE	R041RF	0030000227	12270052	+ 05600		QOSAF K1EAA PS	
SUSAP KBZK1FR12-Z ALVM	010LVM K1D 0V	A IF				18000		A PS
SUSAP KBZK1FR12-Z ALVM	020JAPERK1EA0E	010TF		25150231	+ 09000			A PS
SUSAP KBZK1FR12-Z ALVM	030GATEYK1EA0E	B 010TF		25860101	+ 09000			A PS
SUSAP KBZK1FR12-Z ALVM	040KASREK1EA0E	010TF		30990072	+ 08300	180		A-PS
SUSAP KBZK1FR12-Z ALVM	050WINIXK1EA0E	R041RF	0030003099	32830010	+ 08100	180	QOSAF K1EAA-PS	
SUSAP KBZK1FR12-Z ALVM	060TETBYK1EA0E	R041RF	0030003283	02270029	+ 07200	180	QOSAF K1EAA-PS	
SUSAP KBZK1FR12-Z ALVM	070JURALK1EA0EE	R041RF	0030000227	12270052	+ 05600		QOSAF K1EAA PS	
SUSAP KBZK1FR12-Z ATHESE	010THESEK1EA0E	A IF				18000		A PS
SUSAP KBZK1FR12-Z ATHESE	020HUXANK1EA0E	B 010TF		09160086	+ 07400			A PS
SUSAP KBZK1FR12-Z ATHESE	030WOSAGK1EA0E	051TF		12260045	+ 06400			A PS
SUSAP KBZK1FR12-Z ATHESE	040JURALK1EA0EE	051TF		12270026	+ 05600			A PS
SUSAP KBZK1FR12-Z R	020JURALK1EA1E	F IF			+ 05600	18000	RW12 K1PGA PS	
SUSAP KBZK1FR12-Z R	020JURALK1EA2W					A031		PS
SUSAP KBZK1FR12-Z R	030RW12 K1PGOGY	M 031TF		12270035	04477	-300		A PS
SUSAP KBZK1FR12-Z R	040HETSIK1EA0E	M 010TF		12280044		240		A-PS
SUSAP KBZK1FR12-Z R	050HAXAGK1EA0E	R010RF	0055001228	31970189		240	EXKUX K1EAA-PS	
SUSAP KBZK1FR12-Z R	060THESEK1EA0EY	010TF		31970217	+ 08300			A PS
SUSAP KBZK1FR12-Z R	070THESEK1EA0EE	R020HM		09500070	+ 08300			A PS

RUNWAY 1 2 3 4 5 6 7 8 9 0 1 2 3  
 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012  
 -----  
 SUSAP KBZK1GRW12 0089941228 N45471711W111095933+0400 +1337304425000053150I

MSA 1 2 3 4 5 6 7 8 9 0 1 2 3  
 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012  
 -----  
 SUSAP KBZK1SRW12 K1PG 0 18018012325 M



CITY AND STATE <b>BOZEMAN, MT</b>	ELEVATION: <b>4473</b>	TDZE: <b>4443</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>GALLATIN FIELD</b>		<b>RNAV</b>	<b>RNAV (RNP) Z RWY 12, ORIG</b>	AMDT: <b>NONE</b>
				<b>29 JUL 2010</b>	DATED:

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

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**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MAP: BZN VOR/DME

CLIMB TO 5500 THEN CLIMBING RIGHT TURN TO 8000 VIA HEADING 320 TO INTERCEPT BZN VOR/DME R-284 THEN VIA BZN VOR/DME R-284 TO THESE INT.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 5168 AAO 455459N/1111811W  
 CHART VDP AT 3.23 DME;  
 DISTANCE VDP TO THLD 2.70 MILES.  
 CHART 8000 PRIOR TO BZN VOR/DME IN PROFILE.  
 CHART MAX ENTRY ALTITUDE 10000

1. PT L SIDE OF COURSE 283.88 OUTBOUND 6700 FT WITHIN 10 MILES OF BZN VOR/DME (IAF)  
 2. \_\_\_\_\_  
 3. FAC 103.88 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_  
 4. MIN. ALT \_\_\_\_\_  
 8. MSA FROM: BZN VOR/DME 350-080 10900, 080-260 12300, 260-350 9900

MAG VAR: 18E

EPOCH YEAR: 1965

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A			@					
CATEGORY >>>>>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-12	5340	1 1/4	897	5340	1 1/4	897	5340	2 3/4	897	5340	3	897			
CIRCLING	5340	1 1/4	867	5340	1 1/4	867	5340	2 3/4	867	5340	3	867			

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.

@ CAT A, B 900-2, CAT C 900-2 3/4, CAT D 900-3



CITY AND STATE <b>BOZEMAN, MT</b>	ELEVATION: 4473 TDZE: 4443	FACILITY IDENTIFIER: <b>BZN</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>VOR RWY 12, AMDT 14</b>  <b>29 JUL 2010</b>	SUP
	AIRPORT NAME:  <b>GALLATIN FIELD</b>			AMDT <b>13</b>
				DATE <b>01/20/2005</b>

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

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**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
THESE INT/BZN 19.00 DME (IAF)	MUTPE/BZN 14.00 DME	103.88 / 5.00 (BZN R-284)	8300
KICDO/BZN 14.00 DME CCW (IAF)	MUTPE/BZN 14.00 DME	14.00 DME ARC	8300
MUTPE/BZN 14.00 DME (IF)	HEXIS/BZN 10.00 DME	103.88 / 4.00 (BZN R-284)	7100
HEXIS/BZN 10.00 DME	SODYO/BZN 6.00 DME	103.88 / 4.00 (BZN R-284)	6200

**MAP: CORAR/BZN 1.00 DME**

CLIMB TO 5300 THEN CLIMBING RIGHT TURN TO 8300 VIA HEADING 320 TO INTERCPT BZN VOR/DME R-284 THEN VIA BZN VOR/DME R-284 TO THESE/BZN 19.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:  
 HOLD W, RT, 103.88 INBOUND.  
 CHART FAS OBST: 4584 TOWER 454635N/1111051W  
 CHART VDP AT 1.66 DME;  
 DISTANCE VDP TO THLD 1.13 MILES.  
 CHART BZN R-320 AT KICDO.  
 SEXMI TO RW12: 2.96/55  
 FAC CROSSES RWY C/L EXTENDED 787 FROM THLD.

1. PT NA SIDE OF COURSE          OUTBOUND          FT WITHIN          MILES OF          (IAF)
2. PROFILE STARTS AT MUTPE/BZN 14.00 DME
3. FAC 103.88 FAF SODYO/BZN 6.00 DME DIST FAF TO MAP 5.00 THLD 5.47
4. MIN. ALT MUTPE 8300, HEXIS 7100, SODYO 6200
8. MSA FROM: BZN VOR/DME 350-080 10900, 080-260 12300, 260-350 9900

MAG VAR: 18E                      EPOCH YEAR: 1965

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD										
CATEGORY >>>>>>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-12	4840	1	397	4840	1	397	4840	1	397	4840	1 1/4	397			
CIRCLING	4940	1	467	4940	1	467	4940	1 1/2	467	5040	2	567			

NOTES:  
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.



CITY AND STATE <b>BOZEMAN, MT</b>	ELEVATION: 4473    TDZE: 4443 AIRPORT NAME: <b>GALLATIN FIELD</b>	FACILITY IDENTIFIER: <b>BZN</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>VOR/DME RWY 12, AMDT 3</b>  <b>29 JUL 2010</b>	SUP VOR/DME OR GPS RWY 12
				AMDT                      2A
				DATE                      01/18/2007

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

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
ISN VORTAC	SDY NDB	196.27 / 36.89	4300	MAP: SDY NDB	
LAMBE/ISN 38.16 DME	SDY NDB	104.77 / 7.45	4300	CLIMB TO 4000 THEN LEFT TURN DIRECT SDY NDB AND HOLD.	
				ADDITIONAL FLIGHT DATA: HOLD N, LT, 164.00 INBOUND. FAS OBST: 2504 AAO 473605N/1042201W FAC CROSSES RWY C/L EXTENDED 2999 FROM THLD.	

1. PT L SIDE OF COURSE 208.41 OUTBOUND 3700 FT WITHIN 10 MILES OF SDY NDB (IAF)  
 2. \_\_\_\_\_  
 3. FAC 028.41 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_  
 4. MIN. ALT \_\_\_\_\_  
 8. MSA FROM: SDY NDB 4300

MAG VAR: 9E EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A				@				
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-1	2860	1	875	2860	1 1/4	875	2860	2 1/2	875	2860	2 3/4	875			
CIRCLING	2860	1	875	2860	1 1/4	875	2860	2 1/2	875	2860	2 3/4	875			

NOTES:  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLISTON ALTIMETER SETTING: INCREASE ALL MDAS 100 FEET AND VISIBILITY CATS A, B AND D 1/4 MILE, CAT C 1/2 MILE.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 @ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4  
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>SIDNEY, MT</b>	ELEVATION: 1985 TDZE: 1985 AIRPORT NAME: <b>SIDNEY-RICHLAND MUNI</b>	FACILITY IDENTIFIER: <b>SDY</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>NDB RWY 1, AMDT 3</b> <b>29 JUL 2010</b>	SUP AMDT <b>2</b> DATE <b>02/04/1993</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**NDB STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.27**

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

**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ISN VORTAC	SDY NDB	196.27 / 36.89	4300
LAMBE/ISN 38.16 DME	SDY NDB	104.77 / 7.45	4300

MAP: SDY NDB

CLIMB TO 4000 THEN LEFT TURN DIRECT SDY NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, LT, 164.00 INBOUND.  
 FAS OBST: 2565 AAO 475222N/1041304W  
 FAC CROSSES RWY C/L EXTENDED 4849 FROM THLD.

1. PT R SIDE OF COURSE 344.73 OUTBOUND 3800 FT WITHIN 10 MILES OF SDY NDB (IAF)  
 2. \_\_\_\_\_  
 3. FAC 164.73 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_  
 4. MIN. ALT \_\_\_\_\_  
 8. MSA FROM: SDY NDB 4300

MAG VAR: 9E

EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A			@					
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-19	2920	1 1/4	939	2920	1 1/4	939	2920	2 3/4	939	2920	3	939			
CIRCLING	2920	1 1/4	935	2920	1 1/4	935	2920	2 3/4	935	2920	3	935			

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLISTON ALTIMETER SETTING: INCREASE ALL MDAS 100 FEET AND VISIBILITY CATS B AND C 1/4 MILE.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

@ CAT A, B 1000-2, CAT C 1000-2 3/4, CAT D 1000-3  
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE



CITY AND STATE SIDNEY, MT	ELEVATION: 1985 TDZE: 1981	FACILITY IDENTIFIER: SDY	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
	AIRPORT NAME: SIDNEY-RICHLAND MUNI		NDB RWY 19, AMDT 4	AMDT: 3
			29 JUL 2010	DATE 02/04/1993

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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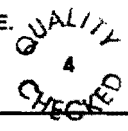
TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
EXADE (IAF)	CATUM (NOPT) (FB)	105.91 / 10.41	4500	LPV: DA LNAV/VNAV: DA LNAV: RW01  CLIMB TO 4500 DIRECT HAKET AND HOLD.
CATUM (IF/IAF)	BOSPE (FB)	014.64 / 6.08	3700	
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 194.81 INBOUND. CHART FAS OBST: 2144 POLE 474119N/1041309W CHART FAS OBST: 2193 POLE 474142N/1041310W DISTANCE TO THLD FROM 250 HAT: 0.65 NM. WAAS CHANNEL # 62918 REFERENCE PATH ID: W01A

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD S CATUM, RT, 014.64 INBOUND, 4500 FT. IN LIEU OF PT (IAF)
- FAC: 014.68 FAF: BOSPE DIST FAF TO MAP: 5.18 THLD: 5.18
- MIN. ALT: CATUM 4500, BOSPE 3700, JUNEG/2.75 NM TO RW01 2900\*
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCP: 3700 GS ALT AT: BOSPE 3700 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
- MSA FROM: RW01 4300

MAG VAR: 9E EPOCH YEAR: 2010

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @											
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	2235	1	250	2235	1	250	2235	1	250	2235	1	250				
LNAV/VNAV DA	2541	2	556	2541	2	556	2541	2	556	2541	2	556				
LNAV MDA	2480	1	495	2480	1	495	2480	1 1/4	495	2480	1 1/2	495				
CIRCLING	2540	1	555	2560	1	575	2580	1 1/2	595	2680	2 1/4	695				

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING WILLISTON ALTIMETER SETTING. @ CAT D 800-2 1/4  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 45C (113F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 SEE 8260-10



CITY AND STATE SIDNEY, MT	ELEVATION: 1985 TDZE: 1985 AIRPORT NAME: SIDNEY-RICHLAND MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, AMDT 1 29 JUL 2010	SUP: AMDT: ORIG DATED 05/10/2007
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

NOTES CONT.

\*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLISTON ALTIMETER SETTING AND INCREASE ALL DA 84 FEET AND MDA 100 FEET, INCREASE LPV AND LNAV/VNAV VISIBILITY 1/4 MILE ALL CATS, INCREASE LNAV CAT C AND D VISIBILITY 1/4 MILE, CIRCLING CAT C VISIBILITY 1/2 MILE, CAT D VISIBILITY 1/4 MILE.



CITY AND STATE <b>SIDNEY, MT</b>	ELEVATION: 1985 TDZE: 1985 AIRPORT NAME: <b>SIDNEY-RICHLAND MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 1, AMDT 1</b>  <b>29 JUL 2010</b>	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>05/10/2007</b>

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

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**ARINC PACKET - 424-18 - RNAV (GPS)**

WP 1 2 3 4 5 6 7 8 9 0 1 2 3  
 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAEAENRT BOSPE K10 W N47370725W104150865 E0093 NAR BOSPE G  
 SUSAEAENRT CATUM K10 W N47313311W104184499 E0093 NAR CATUM G  
 SUSAEAENRT EXADE K10 C L N47355678W104324061 E0095 NAR EXADE G  
 SUSAEAENRT HAKET K10 W N47530313W104044504 E0092 NAR HAKET G  
 SUSAEAENRT JUNEG K10 W N47392049W104134215 E0093 NAR JUNEG G

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

SUSAP KSDYK1ASDY 0 057YHN47422470W104113320E009001985 1800018000C MNAR SIDNEY-RICHLAND MUNI G

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

SUSAP KSDYK1FR01 ACATUM 010CATUMK1EA0EE AR HF 01460050 + 04500 18000 A JS G  
 SUSAP KSDYK1FR01 AEXADE 010EXADEK1EA0E A IF 18000 A JS G  
 SUSAP KSDYK1FR01 AEXADE 020CATUMK1EA0EE B 010TF 10590104 + 04500 A JS G  
 SUSAP KSDYK1FR01 R 010CATUMK1EA0E I IF + 04500 18000 A JS G  
 SUSAP KSDYK1FR01 R 020BOSPEK1EA1E F 051TF 01460061 + 03700 RW01 K1PGA JS G  
 SUSAP KSDYK1FR01 R 020BOSPEK1EA2WALPV ALNAV/VNAV ALNAV JS G  
 SUSAP KSDYK1FR01 R 021JUNEGK1EA0E S 031TF 01470024 V 0290002911 -300 A JS G  
 SUSAP KSDYK1FR01 R 030RW01 K1PGOGY M 031TF 01470028 02028 -300 A JS G  
 SUSAP KSDYK1FR01 R 040 0 M 010CA 0147 + 02235 A JS G  
 SUSAP KSDYK1FR01 R 050HAKETK1EA0EY 010DF + 04500 A JS G  
 SUSAP KSDYK1FR01 R 060HAKETK1EA0EE R020HM 19480050 + 04500 A JS G

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

SUSAP KSDYK1GRW01 0057050147 N47415148W104120397+0000 +0587201983000045100R G

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

SUSAP KSDYK1FR01 RW01 001 0000W01A0N4741514830W10412039675+058720300N4743130000W10411108900106751008000450F4005001A5D7CC2G  
 SUSAP KSDYK1FR01 RW01 002E +06044+06044LPV 62918 G



CITY AND STATE <b>SIDNEY, MT</b>	ELEVATION: 1985 TDZE: 1985 AIRPORT NAME: <b>SIDNEY-RICHLAND MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 1, AMDT 1 29 JUL 2010</b>	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>05/10/2007</b>



Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet 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	
LAMBE	HAKET (FO)	046.96 / 13.21	4500	LPV: DA LNAV/VNAV: DA LNAV: RW19  CLIMB TO 4500 DIRECT CATUM AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD S, RT, 014.64 INBOUND. CHART FAS OBST: 2231 TRMSN POLE 474414N/1041125W CHART FAS OBST: 2141 POLE 474346N/1041142W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. WAAS CHANNEL # 86818 REFERENCE PATH ID: W19A
GINBE (IAF)	HAKET (NOPT) (FB)	212.82 / 10.11	4500	
HAKET (IF/IAF)	FANIX (FB)	194.81 / 6.10	3700	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD N HAKET, RT, 194.81 INBOUND, 4500 FT. IN LIEU OF PT (IAF)
3. FAC: 194.77 FAF: FANIX DIST FAF TO MAP: 5.20 THLD: 5.20
4. MIN. ALT: HAKET 4500, FANIX 3700, OKAGE/2.44 NM TO RW19 2800\*
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 3700 GS ALT AT: FANIX 3700 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 41.0 34:1 IS NOT CLEAR
8. MSA FROM: RW19 4300

MAG VAR: 9E EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A				STANDARD @				
CATEGORY	A			B			C			D			E		
=====>	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	2231	1	250	2231	1	250	2231	1	250	2231	1	250			
LNAV/VNAV DA	2615	2	634	2615	2	634	2615	2	634	2615	2	634			
LNAV MDA	2500	1	519	2500	1	519	2500	1 1/2	519	2500	1 3/4	519			
CIRCLING	2540	1	555	2560	1	575	2580	1 1/2	595	2680	2 1/4	695			

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING WILLISTON ALTIMETER SETTING.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 45C (113F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 SEE 8260-10

© CAT D 800-2 1/4  
 © NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>SIDNEY, MT</b>	ELEVATION: 1985 TDZE: 1981 AIRPORT NAME: <b>SIDNEY-RICHLAND MUNI</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 19, AMDT 1 29 JUL 2010</b>	SUP: AMDT: <b>ORIG</b> DATED <b>05/10/2007</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART PROFILE NOTE: \*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLISTON ALTIMETER SETTING AND INCREASE ALL DA 84 FEET AND MDA 100 FEET, INCREASE LPV AND LNAV/VNAV VISIBILITY 1/4 MILE ALL CATS, INCREASE LNAV CAT C AND D VISIBILITY 1/4 MILE, CIRCLING CAT C 1/2 MILE, CAT D 1/4 MILE.



CITY AND STATE SIDNEY, MT	ELEVATION: 1985 TDZE: 1981 AIRPORT NAME: SIDNEY-RICHLAND MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 05/10/2007

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSDY
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	474243.0215N
LTP/FTP LONGITUDE	1041130.4090W
LTP/FTP ELLIPSOIDAL HEIGHT	+05865
FPAP LATITUDE	474121.5000N
FPAP LONGITUDE	1041223.4800W
THRESHOLD CROSSING HEIGHT (TCH)	00041.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER E35E7A16

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+06037
FPAP ORTHOMETRIC HEIGHT	+06037



CITY AND STATE SIDNEY, MT	ELEVATION: 1985 TDZE: 1981	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, AMDT 1 29 JUL 2010	SUP:
	AIRPORT NAME: SIDNEY-RICHLAND MUNI			AMDT: ORIG
				DATED: 05/10/2007

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

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**ARINC PACKET - 424-18 - RNAV (GPS)**

WP 1 2 3 4 5 6 7 8 9 0 1 2 3  
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAEENRT CATUM K10 W N47313311W104184499 NAR CATUM  
SUSAEENRT FANIX K10 W N47472816W104082437 NAR FANIX  
SUSAEENRT GINBE K30 C L N48003545W103544393 NAR GINBE  
SUSAEENRT HAKET K10 W N47530313W104044504 NAR HAKET  
SUSAEENRT LAMBE K10 C L N47454090W104210078 NAR LAMBE  
SUSAEENRT OKAGE K10 W N47445672W104100326 NAR OKAGE

AIRPORT 1 2 3 4 5 6 7 8 9 0 1 2 3  
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KSDYKIASDY 0 057YHNA7422470W104113320E0609001985 1800018000C MNAR SIDNEY-RICHLAND MUNI

SEGMENT 1 2 3 4 5 6 7 8 9 0 1 2 3  
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KSDYK1FR19 AGINBE 010GINBEK3EAOR A IF 18000 A JS  
SUSAP KSDYK1FR19 AGINBE 020HAKETK1EA0EE B 010TF 21280101 + 04500 A JS  
SUSAP KSDYK1FR19 ALAMBE 010LAMBEK1EA0E IF 18000 A JS  
SUSAP KSDYK1FR19 ALAMBE 020HAKETK1EA0EY 020TF 04700132 + 04500 A JS  
SUSAP KSDYK1FR19 ALAMBE 030HAKETK1EA0EE AR HF 19480050 + 04500 A JS  
SUSAP KSDYK1FR19 R 010HAKETK1EA0E I IF + 04500 18000 A JS  
SUSAP KSDYK1FR19 R 020FANIXK1EA0E F 051TF 19480061 + 03700 RW19 K1PGA JS  
SUSAP KSDYK1FR19 R 020FANIXK1EA2WALPV ALNAV/VNAV ALNAV JS  
SUSAP KSDYK1FR19 R 021OKAGEK1EA0E S 031TF 19480028 V 0280002803 -300 A JS  
SUSAP KSDYK1FR19 R 030RW19 K1PGGY M 031TF 19480024 02022 -300 A JS  
SUSAP KSDYK1FR19 R 040 0 M 010CA 1948 + 02231 A JS  
SUSAP KSDYK1FR19 R 050CATUMK1EA0EY 010DF + 04500 A JS  
SUSAP KSDYK1FR19 R 060CATUMK1EA0EE R020HM 01460050 + 04500 A JS

RUNWAY 1 2 3 4 5 6 7 8 9 0 1 2 3  
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KSDYK1GRW19 0057051947 N47424302W104113041+0000 +0586501981000041100R



CITY AND STATE SIDNEY, MT	ELEVATION: 1985 TDZE: 1981 AIRPORT NAME: SIDNEY-RICHLAND MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, AMDT 1 29 JUL 2010	SUP: AMDT: ORIG DATED: 05/10/2007
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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	1	2	3	4	5	6	7	8	9	0	1	2	3	
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
	-----													
	SUSAP KSDYK1PR19		RW19 001 0000W19A0N4742430215W10411304090				D58650300M4741215000W10412234800106751008000410F400500E35E7A16							
	SUSAP KSDYK1PR19		RW19 002E		+06037+06037LPV		86818							
<hr/>														
	1	2	3	4	5	6	7	8	9	0	1	2	3	
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
	-----													
	SUSAP KSDYK1SRW19		K1PG		0 18018004325								M	
<hr/>														

QUALITY  
CHECKED

CITY AND STATE  
**SIDNEY, MT**

ELEVATION: 1985 TDZE: 1981  
AIRPORT NAME:  
**SIDNEY-RICHLAND MUNI**

FACILITY IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
**RNAV (GPS) RWY 19, AMDT 1**  
**29 JUL 2010**

SUP:  
AMDT: **ORIG**  
DATED: **05/10/2007**

### TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

**RWY 1, 11, 19 STANDARD.**

**RWY 29, 400 - 2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 315' PER NM TO 2500.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 1, TREES BEGINNING 86' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30' AGL/2072' MSL. NOTE: RWY 19, TREES BEGINNING 245' FROM DER, 302' RIGHT OF CENTERLINE, UP TO 30' AGL/2029' MSL. ROADS, 5' FROM DER, 298' RIGHT OF CENTERLINE, UP TO 20' AGL/2003' MSL. POLE, 21' FROM DER, 298' RIGHT OF CENTERLINE, UP TO 10' AGL/1992' MSL. NOTE: RWY 29, TERRAIN LEFT AND RIGHT OF CENTERLINE BEGINNING 962' FROM DER, UP TO 2123' MSL. POLES BEGINNING 778' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 39' AGL/2181' MSL. TREES BEGINNING 598' FROM DER, 165' RIGHT OF CENTERLINE, UP TO 30' AGL/2026' MSL. DERRICK 1452' FROM DER, 207' LEFT OF CENTERLINE, UP TO 47' AGL/2028' MSL. ROAD 504' FROM DER, 15' RIGHT OF CENTERLINE, UP TO 17' AGL/1998' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 29: 2181 MSL POLE, 474321.18N/1041233.44W, 2319 MSL SCRUB, 474308.00N/1041430.00W, 2364 DERRICK, 474311.96N/1041445.38W**

QUALITY  
3  
CHECKED

(5) City, State

**SIDNEY, MT**

(6) Airport

**SIDNEY-RICHLAND MUNI**

(7) Effective Date

**29 JUL 2010**

(8) Amdt. No.

**4**

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CEVUX (IAF)	UFVOD (NOPT) (FB)	200.30 / 5.00	5000	LPV: DA LNAV/VNAV: DA LNAV: RW11  CLIMB TO 5000 DIRECT NUXRO AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD E, RT, 290.57 INBOUND. CHART FAS OBST: 3134 TREE 415928N/1003635W CHART FAS OBST: 3114 TREE 415758N/1003546W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.49 MILES TO RW11* *LNAV ONLY. WAAS CHANNEL # 69218 REFERENCE PATH ID: W11A
EBZUV (IAF)	UFVOD (NOPT) (FB)	020.22 / 5.00	5000	
UFVOD (IF/IAF)	VEYNE (FB)	110.26 / 6.10	4700	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD W UFVOD, RT, 110.26 INBOUND, 5000 FT. IN LIEU OF PT (IAF)
3. FAC: 110.34 FAF: VEYNE DIST FAF TO MAP: 5.37 THLD: 5.37
4. MIN. ALT: UFVOD 5000, VEYNE 4700, FETSU/2.50 NM TO RW11 3760\*
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 4700 GS ALT AT: VEYNE 4700 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 8E                      EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	STANDARD	<input checked="" type="checkbox"/>	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @											
CATEGORY <<<<<<>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	3175	1	250	3175	1	250		NA			NA					
LNAV/VNAV DA	3490	2	565	3490	2	565		NA			NA					
LNAV MDA	3440	1	515	3440	1	515		NA			NA					
CIRCLING	3480	1	555	3480	1	555		NA			NA					

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING NORTH PLATTE ALTIMETER SETTING.                      @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 54C (130F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 SEE 8260-10



CITY AND STATE <b>THEDFORD, NE</b>	ELEVATION: 2925    TDZE: 2925 AIRPORT NAME: <b>THOMAS COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11, AMDT 2 29 JUL 2010</b>	SUP: AMDT: <b>1</b> DATED <b>09/25/2008</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

**NOTES CONT.**

**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.**

**\*LNAV ONLY**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE NORTH PLATTE ALTIMETER SETTING AND INCREASE ALL DA 137 FEET AND ALL MDA 140 FEET, INCREASE LPV AND LNAV/VNAV CATS A AND B VISIBILITY 1/2 MILE.**

**CAHRT NOTE: VDP NA WITH NORTH PLATTE ALTIMETER SETTING.**

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	020/30 CW 200/30 (NOPT)	020/9 CW 200/9	5400
2.	020/9 CW 200/9	UFVOD (IF/IAF) (FB)	5000
3.	200/30 CW 290/30	CEVUX (IAF) (FB)	5000
4.	290/30 CW 020/30	290/6 CW 020/6	5200
5.	290/6 CW 020/6	EBZUV (IAF) (FB)	5000



CITY AND STATE <b>THEDFORD, NE</b>	ELEVATION: 2925 TDZE: 2925 AIRPORT NAME: <b>THOMAS COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11, AMDT 2 29 JUL 2010</b>	SUP:
				AMDT: <b>1</b>
				DATED: <b>09/25/2008</b>

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

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTIF
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	415756.0630N
LTP/FTP LONGITUDE	1003438.6715W
LTP/FTP ELLIPSOIDAL HEIGHT	+08698
FPAP LATITUDE	415713.6400N
FPAP LONGITUDE	1003253.6400W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1408
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

**CRC REMAINDER** CDD09392

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+08915
FPAP ORTHOMETRIC HEIGHT	+08915



CITY AND STATE THEDFORD, NE	ELEVATION: 2925 TDZE: 2925 AIRPORT NAME: THOMAS COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, AMDT 2 29 JUL 2010	SUP:
				AMDT: 1
				DATED: 09/25/2008

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

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

**ARINC PACKET - 424-18 - RNAV (GPS)**

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEAENRT	CEVUX K30	W	N42074714W100450034					NAR		CEVUX			
SUSAEAENRT	EBZUV K30	W	N41585843W100512170					NAR		EBZUV			
SUSAEAENRT	FETSU K30	W	N41590742W100373558					NAR		FETSU			
SUSAEAENRT	NUXRO K30	W	N41521437W100203567					NAR		NUXRO			
SUSAEAENRT	UFVOD K30	W	N42032283W100481124					NAR		UFVOD			
SUSAEAENRT	VEYNE K30	W	N42002919W100405868					NAR		VEYNE			

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KTIFK3ATIF	0	044YHN41574575W100341310E008002925					1800018000C	MNAR	THOMAS COUNTY				

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KTIFK3FR11	ACEVUX 010CEVUXK3EA0E A	IF								18000		A JS	
SUSAP KTIFK3FR11	ACEVUX 020UFVODK3EA0EE B	010TF				20030050	+ 05000					A JS	
SUSAP KTIFK3FR11	AEBZUV 010EBZUVK3EA0E A	IF								18000		A JS	
SUSAP KTIFK3FR11	AEBZUV 020UFVODK3EA0EE B	010TF				02020050	+ 05000					A JS	
SUSAP KTIFK3FR11	AUFVOD 010UFVODK3EA0EE AR	HF				11030050	+ 05000			18000		A JS	
SUSAP KTIFK3FR11	R 010UFVODK3EA0E I	IF					+ 05000			18000		A JS	
SUSAP KTIFK3FR11	R 020VEYNEK3EA1E F	051TF				11030061	+ 04700					A JS	
SUSAP KTIFK3FR11	R 020VEYNEK3EA2WALPV		ALNAV/VNAV ALNAV									JS	
SUSAP KTIFK3FR11	R 021FETSUK3EA0E S	031TF				11030029	V 0376003767			-300		A JS	
SUSAP KTIFK3FR11	R 030RW11 K3PGOGY M	031TF				11030025	02965			-300		A JS	
SUSAP KTIFK3FR11	R 040	0 M 010CA				1103	+ 03175					A JS	
SUSAP KTIFK3FR11	R 050NUXROK3EA0EY	010DF					+ 05000					A JS	
SUSAP KTIFK3FR11	R 060NUXROK3EA0EE	R020HM				29060050	+ 05000					A JS	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KTIFK3GRW11	0044011104	N41575606W100343867-0300					+0869802925000040050R						

CITY AND STATE THEDFORD, NE	ELEVATION: 2925 TDZE: 2925	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, AMDT 2 29 JUL 2010	SUP:
	AIRPORT NAME: THOMAS COUNTY			AMDT: 1
				DATED: 09/25/2008



TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
EGEYE (IAF)	NUXRO (NOPT) (FB)	020.54 / 5.00	5000	LPV: DA LNAV/VNAV: DA LNAV: RW29  CLIMB TO 5000 DIRECT UFVOD AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD W, RT, 110.26 INBOUND. CHART FAS OBST: 3174 TREE 415703N/1003357W FAS OBST: 3239 AAO 415408N/1002812W DISTANCE TO THLD FROM 250 HAT: 0.69 NM. CHART VDP AT 1.66 MILES TO RW29* *LNAV ONLY. WAAS CHANNEL # 65718 REFERENCE PATH ID: W29A CHART TDZ ELEVATION: 2920.
AMNIP (IAF)	NUXRO (NOPT) (FB)	200.61 / 5.00	5000	
NUXRO (IF/IAF)	CILBI (FB)	290.57 / 6.10	4600	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD E NUXRO, RT, 290.57 INBOUND, 5000 FT. IN LIEU OF PT (IAF)
3. FAC: 290.49 FAF: CILBI DIST FAF TO MAP: 5.11 THLD: 5.11
4. MIN. ALT: NUXRO 5000, CILBI 4600
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 4600 GS ALT AT: CILBI 4600 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 8E                      EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	<input checked="" type="checkbox"/>	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	3170	1	250	3170	1	250		NA			NA				
LNAV/VNAV DA	3444	2	524	3444	2	524		NA			NA				
LNAV MDA	3480	1	560	3480	1	560		NA			NA				
CIRCLING	3480	1	555	3480	1	555		NA			NA				

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING NORTH PLATTE ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 54C (130F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 SEE 8260-10

CITY AND STATE <b>THEDFORD, NE</b>	ELEVATION: 2925    TDZE: 2920 AIRPORT NAME: <b>THOMAS COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 29, AMDT 2 29 JUL 2010</b>	SUP: AMDT: <b>1</b> DATED <b>09/25/2008</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

**NOTES CONT.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE NORTH PLATTE ALTIMETER SETTING AND INCREASE AND INCREASE ALL DA 137 FEET AND ALL MDA 140 FEET; INCREASE LPV AND LNAV/VNAV CATS A AND B VISIBILITY 1/2 MILE.**

**CHART NOTE: VDP NA WITH NORTH PLATTE ALTIMETER SETTING.**

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	201/30 CW 021/30 (NOPT)	NUXRO (IF/IAF) (FB)	5000
2.	021/30 CW 111/30	021/9 CW 111/9	5200
3.	021/9 CW 111/9	EGEYE (IAF) (FB)	5000
4.	111/30 CW 201/30	AMNIP (IAF) (FB)	5000



CITY AND STATE <b>THEDFORD, NE</b>	ELEVATION: 2925 TDZE: 2920 AIRPORT NAME: <b>THOMAS COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 29, AMDT 2</b> <b>29 JUL 2010</b>	SUP:
				AMDT: <b>1</b>
				DATED: <b>09/25/2008</b>

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

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTIF
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	415735.3800N
LTP/FTP LONGITUDE	1003347.4455W
LTP/FTP ELLIPSOIDAL HEIGHT	+08653
FPAP LATITUDE	415817.7900N
FPAP LONGITUDE	1003532.5000W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1408
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

**CRC REMAINDER** DBD434B2

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+08870
FPAP ORTHOMETRIC HEIGHT	+08870

CITY AND STATE THEDFORD, NE	ELEVATION: 2925 TDZE: 2920 AIRPORT NAME: THOMAS COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 2 29 JUL 2010	SUP:
				AMDT: 1
				DATED: 09/25/2008





US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
DRO VOR/DME	TURLY (FB)	170.17 / 23.19	9900	LPV: DA LNAV/VNAV: DA LNAV: RW25	
TURLY (IAF)	CODEN (FB)	251.26 / 9.77	8400	CLIMB TO 8000 DIRECT HASIT AND HOLD.	
MISSY (IAF)	CODEN (FB)	336.66 / 15.17	8400		
CODEN (IF)	EPOTE (FB)	256.47 / 6.01	7500		
				ADDITIONAL FLIGHT DATA: HOLD W, RT, 076.17 INBOUND. CHART FAS OBST: 5608 SPIRE 364453N/1081229W CHART FAS OBST: 5830 TOWER 364545N/1081055W DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.90 MILES TO RW25* *LNAV ONLY. WAAS CHANNEL # 97518 REFERENCE PATH ID: W25A CHART AZTEC MUNI (Q19)	

- PT NA SIDE OF COURSE            OUTBOUND            FT WITHIN            MILES OF            (IAF)
- PROFILE STARTS AT CODEN
- FAC: 256.40 FAF: EPOTE DIST FAF TO MAP: 5.99 THLD: 5.99
- MIN. ALT: CODEN 8400, EPOTE 7500, KODYS/3.10 NM TO RW25 6540\*
- DIST TO THLD FROM OM:            MM:            IM:            150 HAT:            100 HAT:            GS ANT:
- MIN GS INCPT: 7500 GS ALT AT: EPOTE 7500 OM:            MM:            IM:
- GS ANGLE: 3.00 TCH: 57.8 34:1 IS CLEAR
- MSA FROM: RW25 9700

MAG VAR: 12E EPOCH YEAR: 1985

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A				STANDARD @				
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	5706	3/4	200	5706	3/4	200	5706	3/4	200	5706	3/4	200			
LNAV/VNAV DA	6068	2	562	6068	2	562	6068	2	562	6068	2	562			
LNAV MDA	6160	1	654	6160	1	654	6160	1 3/4	654	6160	2	654			
CIRCLING	6160	1	654	6160	1	654	6160	1 3/4	654	6160	2	654			

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING DURANGO-LA PLATA COUNTY, CO ALTIMETER SETTING.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -26C (-14F) OR ABOVE 38C (100F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
5  
CHECKED

CITY AND STATE <b>FARMINGTON, NM</b>	ELEVATION: 5506 TDZE: 5506 AIRPORT NAME: <b>FOUR CORNERS RGNL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 25, AMDT 1 29 JUL 2010</b>	SUP: AMDT: <b>ORIG-A</b> DATED <b>07/31/2008</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

\*LNAV ONLY

CHART NOTE: CAT D CIRCLING NA SE OF RWYS 5 AND 25.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DURANGO-LA PLATA COUNTY, CO ALTIMETER SETTING AND INCREASE ALL DA 243 FEET AND ALL MDA 260 FEET. INCREASE LPV VISIBILITY 3/4 MILE ALL

CATS, LNAV/VNAV VISIBILITY 1 MILE ALL CATS, LNAV AND CIRCLING VISIBILITY CATS A-B 1/4 MILE, CATS

C-D VISIBILITY 1 MILE.

CHART NOTE: VDP NA WITH DURANGO-LA PLATA COUNTY, CO ALTIMETER SETTING.



CITY AND STATE FARMINGTON, NM	ELEVATION: 5506 TDZE: 5506 AIRPORT NAME: FOUR CORNERS RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG-A
				DATED: 07/31/2008

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

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

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFMN
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	364429.8300N
LTP/FTP LONGITUDE	1081303.7500W
LTP/FTP ELLIPSOIDAL HEIGHT	+16563
FPAP LATITUDE	364427.9300N
FPAP LONGITUDE	1081423.7400W
THRESHOLD CROSSING HEIGHT (TCH)	00057.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	107.00
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

**CRC REMAINDER** 73D5EF42

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+16774
FPAP ORTHOMETRIC HEIGHT	+16774

QUALITY  
5  
CHECKED

CITY AND STATE FARMINGTON, NM	ELEVATION: 5506 TDZE: 5506	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 1 29 JUL 2010	SUP:
	AIRPORT NAME: FOUR CORNERS RGNL			AMDT: ORIG-A
				DATED: 07/31/2008

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

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**ARINC PACKET - 424-18 - RNAV (GPS)**

```

1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-----
SUSAD      DRO      K2010820VDLW N37091170W107445860      N37091170W107445860E0140066601      NARDURANGO
    
```

```

1         2         3         4         5         6         7         8         9         0         1         2         3
WP       1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-----
SUSAEENRT  CODEN K20  W      N364445003W107580826      NAR      CODEN
SUSAEENRT  EPOTE K20  W      N36444014W108053688      NAR      EPOTE
SUSAEENRT  HASIT K20  W      N364440772W108280154      NAR      HASIT
SUSAEENRT  KODYS K20  W      N36443523W108091243      NAR      KODYS
SUSAEENRT  MISSY K20  C  L  N36295644W107542556      NAR      MISSY
SUSAEENRT  TURLY K20  C  L  N36455952W107460422      NAR      TURLY
    
```

```

1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-----
SUSAP  KFMNK2AFMN      0      067YHN36442850W108134780E012005506      1800018000C      MNAR      FOUR CORNERS RGNL
    
```

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1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
-----
SUSAP  KFMNK2FR25  ADRO  010DRO  K2D  0V      IF      18000      A JS
SUSAP  KFMNK2FR25  ADRO  020TURLYK2EA0E  A  020TF      17020232      + 09900      A JS
SUSAP  KFMNK2FR25  ADRO  030CODENK2EA0EE  B  010TF      25130098      + 08400      A JS
SUSAP  KFMNK2FR25  AMISSY  010MISSYK2EA0E  A      IF      18000      A JS
SUSAP  KFMNK2FR25  AMISSY  020CODENK2EA0EE  B  010TF      33670152      + 08400      A JS
SUSAP  KFMNK2FR25  R      010CODENK2EA0E  I      IF      18000      A JS
SUSAP  KFMNK2FR25  R      020EPOTEK2EA1E  F  010TF      25650060      + 07500      RW25  K2PGA  JS
SUSAP  KFMNK2FR25  R      020EPOTEK2EA2WALPV      ALNAV/VNAV ALNAV      JS
SUSAP  KFMNK2FR25  R      021KODYSK2EA0E  S  031TF      25640029      V 0654006558      -300      A JS
SUSAP  KFMNK2FR25  R      030RW25  K2PGOGY  M  031TF      25640031      05561      -300      A JS
SUSAP  KFMNK2FR25  R      040      0  M  010CA      2564      + 05706      A JS
SUSAP  KFMNK2FR25  R      050HASITK2EA0EY  010DF      + 08000      A JS
SUSAP  KFMNK2FR25  R      060HASITK2EA0EE  R020HM      07620070      + 08000      A JS
    
```

CITY AND STATE <b>FARMINGTON, NM</b>	ELEVATION: 5506 TDZE: 5506	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 25, AMDT 1</b> <b>29 JUL 2010</b>	SUP:
	AIRPORT NAME: <b>FOUR CORNERS RGNL</b>			AMDT: <b>ORIG-A</b>
				DATED: <b>07/31/2008</b>



## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

**RWY 5, 7, 23, 25, STANDARD.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 5, 23, 25 - CLIMBING RIGHT TURN DIRECT RSK VORTAC. CONTINUE CLIMB IN RSK VORTAC HOLDING PATTERN (HOLD EAST, LEFT TURN, 252.35 INBOUND) TO CROSS RSK VORTAC AT OR ABOVE MEA FOR ROUTE OF FLIGHT.**

**RWY 7 - CLIMB DIRECT RSK VORTAC. CONTINUE CLIMB IN RSK VORTAC HOLDING PATTERN (HOLD EAST, LEFT TURN, 252.35 INBOUND) TO CROSS RSK VORTAC AT OR ABOVE MEA FOR ROUTE OF FLIGHT.**

**(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 5, SIGN 27' FROM DER, 464' RIGHT OF CENTERLINE, 13' AGL/5513' MSL. BLDG 4005' FROM DER, 654' RIGHT OF CENTERLINE, 96' AGL/5608' MSL. NOTE: RWY 25, SIGN 37' FROM DER, 218' LEFT OF CENTERLINE, 10' AGL/5479' MSL. OBSTRUCTION LIGHT ON DME 200' FROM DER, 442' LEFT OF CENTERLINE, 24' AGL/5493' MSL. SIGN 37' FROM DER, 218' LEFT OF CENTERLINE, 10' AGL/5479' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 5: 6019 MSL TOWER, 364641.00N-1081117.00W**

**RWY 23: 6348 MSL TOWER, 364016.00N-1081356.00W**

**RWY 5, 7, 23, 25: 11980' MSL TERRAIN 372257.50N-1080639.70W. 12500' MSL TERRAIN, 372320.10N-1080200.20W. 12740' MSL TERRAIN, 372542.20N-1080102.50W. 13232' TERRAIN, 372636.20N-1080505.00W.**



(5) City, State <b>FARMINGTON, NM</b>	(6) Airport <b>FOUR CORNERS RGNL</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>1</b>
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US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
JUJHU (IAF)	OPDEQ (NOPT) (FB)	160.45 / 5.00	4000	LNAV: RW07  CLIMBING RIGHT TURN TO 4000 DIRECT OPDEQ AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.
IKFIB (IAF)	OPDEQ (NOPT) (FB)	340.53 / 5.00	4000	
OPDEQ (IF/IAF)	RIZXU (FB)	070.49 / 5.01	2500	
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 995 TANK 425959N/0783036W 1029 AAO 425741N/0783438W. CHART BUFFALO ASOS. RIZXU TO RW07: 3.04/40.

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD W OPDEQ, RT, 070.49 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
- FAC: 070.55 FAF: RIZXU DIST FAF TO MAP: 5.05 THLD: 5.05
- MIN. ALT: OPDEQ 4000, RIZXU 2500
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 11W EPOCH YEAR: 1990

**MINIMUMS**

TAKEOFF:	<input type="checkbox"/> STANDARD	<input checked="" type="checkbox"/> 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
LNAV MDA	1300	1	461	1300	1	461		NA			NA				
CIRCLING	1340	1	500	1340	1	500		NA			NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT.  
 CHART NOTE: USE BUFFALO ALTIMETER SETTING.

CITY AND STATE <b>AKRON, NY</b>	ELEVATION: 840 TDZE: 839 AIRPORT NAME: <b>AKRON</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 7, AMDT 1 29 JUL 2010</b>	SUP: AMDT: <b>ORIG</b> DATED <b>06/14/2002</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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TAA

	FROM	TO	ALT
1.	341/30 CW 160/30 (NOPT)	OPDEQ (IF/IAF) (FB)	4000
2.	160/30 CW 250/30	JUJHU (IAF) (FB)	4000
3.	250/30 CW 341/30	IKFIB (IAF) (FB)	4000

CITY AND STATE

AKRON, NY

ELEVATION: 840 TDZE: 839

AIRPORT NAME:

AKRON

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 7, AMDT 1

29 JUL 2010

SUP:

AMDT: ORIG

DATED: 06/14/2002

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

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**ARINC PACKET - 424-18 - RNAV (GPS)**

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
SUSAEAENRT	IKFIB K60	W	N42514326W078373821					W0108	NAR	IKFIB			
SUSAEAENRT	JUJHU K60	W	N43002032W078443288					W0108	NAR	JUJHU			
SUSAEAENRT	OPDEQ K60	W	N42560184W078410530					W0108	NAR	OPDEQ			
SUSAEAENRT	RIZXU K60	W	N42583441W078351241					W0109	NAR	RIZXU			

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
SUSAP 9G3	K6A9G3	0	032YHN43011525W078285828W011000840					1800018000C	MNAR	AKRON			

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
SUSAP 9G3	K6FR07	AIKFIB	010IKFIBK6EAOE	A	IF					18000		B	JS
SUSAP 9G3	K6FR07	AIKFIB	020OPDEQK6EAOEE	B	010TF			34050050	+ 04000			B	JS
SUSAP 9G3	K6FR07	AJUJHU	010JUJHUK6EAOE	A	IF					18000		B	JS
SUSAP 9G3	K6FR07	AJUJHU	020OPDEQK6EAOEE	B	010TF			16050050	+ 04000			B	JS
SUSAP 9G3	K6FR07	AOPDEQ	010OPDEQK6EAOEE	AR	HF			07050040	+ 04000	18000		B	JS
SUSAP 9G3	K6FR07	R	010OPDEQK6EAOE	I	IF				+ 04000	18000		B	JS
SUSAP 9G3	K6FR07	R	020RIZXUK6EA1E	F	051TF			07050050	+ 02500			B	JS
SUSAP 9G3	K6FR07	R	020RIZXUK6EA2WN			N	ALNAV					JS	
SUSAP 9G3	K6FR07	R	030RW07 K6PGOGY	M	031TF			07060051	00870	-304		B	JS
SUSAP 9G3	K6FR07	R	040		0 M	010CA		0706	+ 01240			B	JS
SUSAP 9G3	K6FR07	R	050OPDEQK6EAOEY	R010DF					+ 04000			B	JS
SUSAP 9G3	K6FR07	R	060OPDEQK6EAOEE	R020HM				07050040	+ 04000			B	JS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
SUSAP 9G3	K6GRW07	0032680706	N43010779W078291645+0300					+0217900830000040075R					

CITY AND STATE <b>AKRON, NY</b>	ELEVATION: 840	TDZE: 839	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 7, AMDT 1 29 JUL 2010</b>	SUP:
	AIRPORT NAME: <b>AKRON</b>				AMDT: <b>ORIG</b>
					DATED: <b>06/14/2002</b>

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

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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
FOYWO (IAF)	IGRUH (NOPT) (FB)	160.71 / 5.00	4000	LNAV: RW25	
LOQSA (IAF)	IGRUH (NOPT) (FB)	340.79 / 5.00	4000		
IGRUH (IF/IAF)	EKDOQ (FB)	250.75 / 5.01	2500	CLIMBING LEFT TURN TO 4000 DIRECT IGRUH AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.	
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 990 TREE 430127N/0782733W CHART BUFFALO ASOS. EKDOQ TO RW25: 3.04/40.	

- PT \_\_\_\_\_ SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- HOLD E IGRUH, LT, 250.75 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
- FAC: 250.69 FAF: EKDOQ DIST FAF TO MAP: 5.02 THLD: 5.02
- MIN. ALT: IGRUH 4000, EKDOQ 2500, CULTU/1.70 NM TO RW25 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: 11W EPOCH YEAR: 1990

**MINIMUMS**

TAKEOFF: _____	STANDARD <input checked="" type="checkbox"/>	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
LNAV MDA	1300	1	460	1300	1	460		NA			NA				
CIRCLING	1340	1	500	1340	1	500		NA			NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PROFILE NOTE: VGS AND DESCENT ANGLES NOT COINCIDENT.  
 CHART NOTE: USE BUFFALO ALTIMETER SETTING.

CITY AND STATE <b>AKRON, NY</b>	ELEVATION: 840 TDZE: 840 AIRPORT NAME: <b>AKRON</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 25, AMDT 1 29 JUL 2010</b>	SUP: AMDT: <b>ORIG</b> DATED: <b>06/13/2002</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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TAA

	FROM	TO	ALT
1.	161/30 CW 341/30 (NOPT)	IGRUH (IF/IAF) (FB)	4000
2.	341/30 CW 071/30	LOQSA (IAF) (FB)	4000
3.	071/30 CW 161/30	FOYWO (IAF) (FB)	4000

CITY AND STATE

AKRON, NY

ELEVATION: 840 TDZE: 840

AIRPORT NAME:

AKRON

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 25, AMDT 1

29 JUL 2010

SUP:

AMDT: ORIG

DATED: 06/13/2002



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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FOYWO	FOYWO	010	IAF	IF						
	FOYWO	IGRUH	020	IF	TF		FB	1.0	160.7 (149.7T)	005.0	04000
	IGRUH	IGRUH	010	IAF	HF	L	FO		250.8 (239.8T)	004.0	04000
	LOQSA	LOQSA	010	IAF	IF						
	LOQSA	IGRUH	020	IF	TF		FB	1.0	340.8 (329.8T)	005.0	04000
		IGRUH	010	FACF	IF						04000
		EKDOQ	020	FAF	TF		FB	0.5	250.8 (239.8T)	005.0	02500
		CULTU	021	SDF	TF		FB	0.3	250.7 (239.7T)	003.3	0142001421
		RW25	030	MAP	TF		FO	0.3	250.7 (239.7T)	001.7	00880

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA			1.0	250.7 (239.7T)		01240
	IGRUH	050		DF	L	FO	1.0			04000
	IGRUH	060		HM	L	FO	2.0	250.8 (239.8T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CULTU	N430215.69	W0782638.52	N4302.262	W07826.642
	EKDOQ	N430356.26	W0782244.17	N4303.938	W07822.736
	FOYWO	N431047.07	W0782016.33	N4310.785	W07820.272
	IGRUH	N430627.92	W0781649.77	N4306.465	W07816.830
	LOQSA	N430208.65	W0781323.69	N4302.144	W07813.395
	RW25	N430124.11	W0782838.51	N4301.402	W07828.642

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25	00840	40

CITY AND STATE <b>AKRON, NY</b>	ELEVATION: 840 TDZE: 840	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: <b>AKRON</b>		<b>RNAV (GPS) RWY 25, AMDT 1</b>	AMDT: <b>ORIG</b>
			<b>29 JUL 2010</b>	DATED: <b>06/13/2002</b>

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
CAKIK (IAF)	JETBI (NOPT) (FB)	265.38 / 5.00	2500	LPV: DA LNAV/VNAV: DA LNAV: RW17	
FATNA (IAF)	JETBI (NOPT) (FB)	085.26 / 5.00	2500	CLIMB TO 2500 DIRECT ZEGRA AND HOLD.	
JETBI (IF/IAF)	HELRA (FB)	175.32 / 6.10	2500		
				ADDITIONAL FLIGHT DATA: HOLD S, RT, 355.32 INBOUND. CHART FAS OBST: 1073 TOWER 335923N/0962346W FAS OBST: 829 TREE 335747N/0962426W DISTANCE TO THLD FROM 250 HAT: 0.63 NM. CHART VDP AT 1.98 MILES TO RW17* *LNAV ONLY. WAAS CHANNEL # 99518 REFERENCE PATH ID: W17A	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD N JETBI, RT, 175.32 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
- FAC: 175.32 FAF: HELRA DIST FAF TO MAP: 5.42 THLD: 5.42
- MIN. ALT: JETBI 2500, HELRA 2500
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 2500 GS ALT AT: HELRA 2500 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 49.0 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 5E EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	949	3/4	250	949	3/4	250	949	3/4	250		NA				
LNAV/VNAV DA	1132	1 1/2	433	1132	1 1/2	433	1132	1 1/2	433		NA				
LNAV MDA	1380	1	681	1380	1	681	1380	2	681		NA				
CIRCLING	1380	1	681	1380	1	681	1380	2	681		NA				

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING ARDMORE MUNI ALTIMETER SETTING.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ARDMORE MUNI ALTIMETER SETTING AND SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>DURANT, OK</b>	ELEVATION: 699 TDZE: 699 AIRPORT NAME: <b>EAKER FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 17, AMDT 1 29 JUL 2010</b>	SUP: AMDT: <b>ORIG</b> DATED <b>07/10/2003</b>
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**US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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**NOTES CONT.**

**INCREASE ALL DA 96 FEET AND ALL MDA 100 FEET; INCREASE LPV CATS A,B,C VISIBILITY 1/2 MILE, LNAV/VNAV CATS A,B,C AND LNAV AND CIRCLING CATS B,C VISIBILITY 1/4 MILE.  
CHART NOTE: VDP NA WITH ARDMORE MUNI ALTIMETER SETTING.**

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	085/30 CW 265/30 (NOPT)	085/10 CW 265/10	3400
2.	085/10 CW 265/10	JETBI (IF/IAF) (FB)	2500
3.	265/30 CW 355/30	CAKIK (IAF) (FB)	2500
4.	355/30 CW 085/30	355/10 CW 085/10	3600
5.	355/10 CW 085/10	FATNA (IAF) (FB)	2500



CITY AND STATE

DURANT, OK

ELEVATION: 699 TDZE: 699

AIRPORT NAME:

EAKER FIELD

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, AMDT 1

29 JUL 2010

SUP:

AMDT: ORIG

DATED: 07/10/2003

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDUA
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	335656.5520N
LTP/FTP LONGITUDE	0962341.9860W
LTP/FTP ELLIPSOIDAL HEIGHT	+01865
FPAP LATITUDE	335527.2900N
FPAP LONGITUDE	0962342.5900W
THRESHOLD CROSSING HEIGHT (TCH)	00049.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER D8EDC6A2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02130
FPAP ORTHOMETRIC HEIGHT	+02130



CITY AND STATE DURANT, OK	ELEVATION: 699 TDZE: 699 AIRPORT NAME: EAKER FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 07/10/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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**ARINC PACKET - 424-18 - RNAV (GPS)**

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEAENRT	CAKIK K40	W	N34082714W096173591					NAR		CAKIK			
SUSAEAENRT	FATNA K40	W	N34083050W096293877					NAR		FATNA			
SUSAEAENRT	HELRA K40	W	N34022234W096233980					NAR		HELRA			
SUSAEAENRT	JETBI K40	W	N34082897W096233734					NAR		JETBI			
SUSAEAENRT	ZEGRA K40	W	N33443284W096234696					NAR		ZEGRA			

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KDUAK4ADUA	0	050YHN33563216W096234031E005000699					1800018000C		MNAR		EAKER FIELD	

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KDUAK4FR17	ACAKIK	010CAKIKK4EA0E	A	IF					18000		A JS	
SUSAP	KDUAK4FR17	ACAKIK	020JETBIK4EA0EE	B	010TF		26540050		+ 02500			A JS	
SUSAP	KDUAK4FR17	AFATNA	010FATNAK4EA0E	A	IF					18000		A JS	
SUSAP	KDUAK4FR17	AFATNA	020JETBIK4EA0EE	B	010TF		08530050		+ 02500			A JS	
SUSAP	KDUAK4FR17	AJETBI	010JETBIK4EA0EE	AR	HF		17530040		+ 02500	18000		A JS	
SUSAP	KDUAK4FR17	R	010JETBIK4EA0E	I	IF				+ 02500	18000		A JS	
SUSAP	KDUAK4FR17	R	020HELRAK4EA1E	F	051TF		17530061		+ 02500			A JS	
SUSAP	KDUAK4FR17	R	020HELRAK4EA2WALPV			ALNAV/VNAV						JS	
SUSAP	KDUAK4FR17	R	030RW17 K4PGOGY	M	031TF		17530054		00748		-300	A JS	
SUSAP	KDUAK4FR17	R	040		0 M 010CA		1753		+ 00949			A JS	
SUSAP	KDUAK4FR17	R	050ZEGRAK4EA0EY		010DF				+ 02500			A JS	
SUSAP	KDUAK4FR17	R	060ZEGRAK4EA0EE		R020HM		35530040		+ 02500			A JS	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KDUAK4GRW17	0050011753	N33565655W096234199-0200					+0186500699000049100R					

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KDUAK4PR17	RW17	001 0000W17A0N33565655W09623419860+018650300N3355272900W09623425900106751224000490F400500D8EDC6A2										



CITY AND STATE <b>DURANT, OK</b>	ELEVATION: <b>699</b> TDZE: <b>699</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 17, AMDT 1</b> <b>29 JUL 2010</b>	SUP:
	AIRPORT NAME: <b>EAKER FIELD</b>			AMDT: <b>ORIG</b>
				DATED: <b>07/10/2003</b>

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
SUSAP	KDUAK4PR17	RW17	002E		+02130	+02130LPV							99518



CITY AND STATE DURANT, OK	ELEVATION: 699    TDZE: 699	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1	SUP:
	AIRPORT NAME: EAKER FIELD		29 JUL 2010	AMDT:    ORIG
				DATED:    07/10/2003

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
RITOE (IAF)	ZEGRA (NOPT) (FB)	085.26 / 5.00	2500	LPV: DA LNAV/VNAV: DA LNAV: RW35  CLIMB TO 2500 DIRECT JETBI AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD N, RT, 175.32 INBOUND. CHART FAS OBST: 809 TREE 335515N/0962358W CHART FAS OBST: 819 TREE 335603N/0962406W DISTANCE TO THLD FROM 250 HAT: 0.63 NM. CHART VDP AT 1.14 MILES TO RW35* *LNAV ONLY. WAAS CHANNEL # 48918 REFERENCE PATH ID: W35A
TUPLE (IAF)	ZEGRA (NOPT) (FB)	265.37 / 5.00	2500	
ZEGRA (IF/IAF)	WOVAM (FB)	355.32 / 6.10	2500	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD S ZEGRA, RT, 355.32 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
- FAC: 355.32 FAF: WOVAM DIST FAF TO MAP: 5.45 THLD: 5.45
- MIN. ALT: ZEGRA 2500, WOVAM 2500, PAMMI/1.70 NM TO RW35 1280\*
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 2500 GS ALT AT: WOVAM 2500 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 48.0 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 5E EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	940	3/4	250	940	3/4	250	940	3/4	250						
LNAV/VNAV DA	1111	1 1/2	421	1111	1 1/2	421	1111	1 1/2	421						
LNAV MDA	1100	1	410	1100	1	410	1100	1 1/4	410						
CIRCLING	1220	1	521	1220	1	521	1220	1 1/2	521						

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING ARDMORE MUNI ALTIMETER SETTING.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 \*LNAV ONLY  
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>DURANT, OK</b>	ELEVATION: 699 TDZE: 690 AIRPORT NAME: <b>EAKER FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 35, AMDT 1 29 JUL 2010</b>	SUP: AMDT: <b>ORIG</b> DATED <b>07/10/2003</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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**NOTES CONT.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ARDMORE MUNI ALTIMETER SETTING AND INCREASE ALL DA 96 FEET, ALL MDA 100 FEET; INCREASE LPV CATS A,B,C VISIBILITY 1/2 MILE, INCREASE LNAV/VNAV CATS A,B,C AND LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.**  
**CHART NOTE: VDP NA WITH ARDMORE MUNI ALTIMETER SETTING.**

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	265/30 CW 085/30 (NOPT)	265/10 CW 085/10	3800
2.	265/10 CW 085/10	ZEGRA (IF/IAF) (FB)	2500
3.	085/30 CW 175/30	085/10 CW 175/10	3600
4.	085/10 CW 175/10	RITOE (IAF) (FB)	2500
5.	175/30 CW 265/30	TUPLE (IAF) (FB)	2500



CITY AND STATE <b>DURANT, OK</b>	ELEVATION: 699 TDZE: 690 AIRPORT NAME: <b>EAKER FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 35, AMDT 1</b> <b>29 JUL 2010</b>	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>07/10/2003</b>

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDUA
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	335607.0835N
LTP/FTP LONGITUDE	0962342.3235W
LTP/FTP ELLIPSOIDAL HEIGHT	+01839
FPAP LATITUDE	335736.3400N
FPAP LONGITUDE	0962341.7200W
THRESHOLD CROSSING HEIGHT (TCH)	00048.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 3F4DA127

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02104
FPAP ORTHOMETRIC HEIGHT	+02104



CITY AND STATE <b>DURANT, OK</b>	ELEVATION: 699 TDZE: 690 AIRPORT NAME: <b>EAKER FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 35, AMDT 1</b> <b>29 JUL 2010</b>	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>07/10/2003</b>

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

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**ARINC PACKET - 424-18 - RNAV (GPS)**

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

SUSAEAENRT JETBI K40 W N34082897W096233734 NAR JETBI  
SUSAEAENRT PAMMI K40 W N33542490W096234300 NAR PAMMI  
SUSAEAENRT RITOE K40 W N33443437W096294671 NAR RITOE  
SUSAEAENRT TUPLE K40 W N33443102W096174721 NAR TUPLE  
SUSAEAENRT WOVAM K40 W N33503955W096234451 NAR WOVAM  
SUSAEAENRT ZEGRA K40 W N33443284W096234696 NAR ZEGRA

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

SUSAP KDUAK4ADUA 0 050YHN33563216W096234031E005000699 1800018000C MNAR EAKER FIELD

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

SUSAP KDUAK4FR35 ARITOE 010RITOEK4EA0E A IF 18000 A JS  
SUSAP KDUAK4FR35 ARITOE 020ZEGRAK4EA0EE B 010TF 08530050 + 02500 A JS  
SUSAP KDUAK4FR35 ATUPLE 010TUPLEK4EA0E A IF 18000 A JS  
SUSAP KDUAK4FR35 ATUPLE 020ZEGRAK4EA0EE B 010TF 26540050 + 02500 A JS  
SUSAP KDUAK4FR35 AZEGRA 010ZEGRAK4EA0EE AR HF 35530040 + 02500 18000 A JS  
SUSAP KDUAK4FR35 R 010ZEGRAK4EA0E I IF 18000 A JS  
SUSAP KDUAK4FR35 R 020WOVAMK4EA1E F 051TF 35530061 + 02500 A JS  
SUSAP KDUAK4FR35 R 020WOVAMK4EA2WALPV ALNAV/VNAV ALNAV JS  
SUSAP KDUAK4FR35 R 021PAMMIK4EA0E S 031TF 35530038 V 0128001283 -300 A JS  
SUSAP KDUAK4FR35 R 030RW35 K4PGOGY M 031TF 35530017 00738 -300 A JS  
SUSAP KDUAK4FR35 R 040 0 M 010CA 3553 + 00940 A JS  
SUSAP KDUAK4FR35 R 050JETBIK4EA0EY 010DF + 02500 A JS  
SUSAP KDUAK4FR35 R 060JETBIK4EA0EE R020HM 17530040 + 02500 A JS

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

SUSAP KDUAK4GRW35 0050013553 N33560708W096234232+0200 +0183900690000048100R



CITY AND STATE  
DURANT, OK

ELEVATION: 699 TDZE: 690  
AIRPORT NAME:  
EAKER FIELD

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 35, AMDT 1  
29 JUL 2010

SUP:  
AMDT: ORIG  
DATED: 07/10/2003

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
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SUSAP KDUAK4PR35	RW35	001	0000	W35A0N3356070835W09623423235+018390300N3357363400W09623417200106751224000480F4005003F4DA127									
SUSAP KDUAK4PR35	RW35	002E		+02104+02104LPV 48918									



CITY AND STATE <b>DURANT, OK</b>	ELEVATION: 699 TDZE: 690 AIRPORT NAME: <b>EAKER FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 35, AMDT 1 29 JUL 2010</b>	SUP:
				AMDT: <b>ORIG</b>
				DATED: <b>07/10/2003</b>

### TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

**RWY 17, STANDARD.**

**RWY 35, 500-3 OR STANDARD WITH MINIMUM CLIMB OF 203 FEET PER NM TO 1200, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FEET PRIOR TO DEPARTURE END OF RUNWAY.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 17, TREE 305' FROM DER, 553' LEFT OF CENTERLINE, 100' AGL/799' MSL.**

**NOTE: RWY 35, TREE 346' FROM DER, 568' RIGHT OF CENTERLINE, 100' AGL/809' MSL. TREE 535' FROM DER, 585' LEFT OF CENTERLINE, 100' AGL/809' MSL. TOWER 2.4 NM FROM DER, 420' LEFT OF CENTERLINE, 420' AGL/1073' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 35: 1073 MSL TOWER 335923.00N-0962346.00W**



(5) City, State <b>DURANT, OK</b>	(6) Airport <b>EAKER FIELD</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>ORIG</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**NDB STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.27**

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

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

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

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

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

NOTES:  
  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE EL RENO, OK	ELEVATION: 1420 TDZE: 1418 AIRPORT NAME:  EL RENO RGNL	FACILITY IDENTIFIER: RQO	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 35, AMDT 3C, 07/02/2009	SUP
				AMDT 3B
				DATE 07/26/2009

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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**(1) TAKEOFF MINIMUMS:**

**RWY 18, STANDARD.**

**RWY 36, 500-3 OR STANDARD WITH MINIMUM CLIMB OF 312 FEET PER NM TO 1500.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 36- CLIMB HEADING 356.09 TO 1300 BEFORE PROCEEDING ON COURSE.**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 18, NUMEROUS TREES BEGINNING 778' FROM DER, 177' LEFT OF CENTERLINE, UP TO 100' AGL/939' MSL. NUMEROUS TREES BEGINNING 335' FROM DER, 22' RIGHT OF CENTERLINE, UP TO 100' AGL/959' MSL.**

**NOTE: RWY 36, TOWER 13,139' FROM DER, 885' RIGHT OF CENTERLINE, 318' AGL/1,273' MSL. TOWER 8,882' FROM DER, 6,059' LEFT OF CENTERLINE, 33' AGL/1,223' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 36: 1,223 MSL TOWER 352610.00N/0960210.00W.**

QUALITY  
CHECKED

(5) City, State <b>HENRYETTA, OK</b>	(6) Airport <b>HENRYETTA MUNI</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>3</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**GPS STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE


ADDITIONAL FLIGHT DATA:

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

2. \_\_\_\_\_

3. FAC \_\_\_\_\_ FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_

4. MIN. ALT \_\_\_\_\_

8. MSA FROM: \_\_\_\_\_

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1299 TDZE: 1299 AIRPORT NAME:  WILEY POST	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 35R, ORIG, 11/04/1999	SUP AMDT NONE DATE
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**US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION**      **ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29**      Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
IFI VORTAC	WABDU INT/PWA 11.00 DME	097.79 / 18.29	3100	<b>ILS: DA</b> <b>LOC: 4.89 MILES AFTER DIRGE OM/PWA 5.58 DME OR AT PWA 0.69 DME FIX</b>  <b>CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 3000 DIRECT IRW VORTAC AND HOLD OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 3000 VIA HEADING 240 AND PWA VOR/DME R-216 TO JESKE INT/PWA 14.53 DME AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD SE, RT, 299.84 INBOUND.</b> <b>CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW JESKE INT/PWA 14.53 DME, RT, 036.15 INBOUND.</b> <b>CHART FAS OBST: 1380 TOWER 353328N/0973850W</b> <b>CHART IN PLANVIEW: JESKE INT/PWA 14.53 DME.</b> <b>CHART IN PROFILE VIEW: (BAHHI) AT GS INTCP</b> <b>CHART PLANVIEW NOTE: USE OF IFI R-098 AND PWA R-352 MAY BE NECESSARY TO LOCATE WABDU INT.</b> <b>CHART: ASR</b>
IRW VORTAC	PWA VOR/DME	342.91 / 10.61	3000	
PWA VOR/DME	WABDU INT/PWA 11.00 DME	352.42 / 11.00	3000	
WABDU INT/PWA 11.00 DME (IF/IAF)	DIRGE OM/PWA 5.58 DME	174.99 / 5.42 (I-PWA)	3000	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD N WABDU, RT, 174.99 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 174.99 FAF: DIRGE OM/PWA 5.58 DME PFAF: (BAHHI) DIST FAF TO MAP: 4.89 THLD: 4.89
- MIN. ALT: WABDU 3000, DIRGE OM 3000
- DIST TO THLD FROM OM: 4.89 MM: 0.46 IM: - 150 HAT: - 100 HAT: - GS ANT: 1099
- MIN GS INCPT: 3000 GS ALT AT: (BAHHI) 3000 OM: 2926 MM: 1490 IM: -
- GS ANGLE: 3.00 TCH: 54.4
- MSA FROM: PWA VOR/DME 110-330 3300, 330-110 3600

MAG VAR: 5E      EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A	ILS: STANDARD #			LOC: STANDARD @				
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 17L	1491	1/2	200	1491	1/2	200	1491	1/2	200	1491	1/2	200			
S-LOC 17L	1660	1/2	369	1660	1/2	369	1660	1/2	369	1660	3/4	369			
CIRCLING	1780	1	480	1780	1	480	1780	1 1/2	480	1880	2	580			

NOTES:  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILL ROGERS WORLD ALTIMETER SETTING AND INCREASE ALL DA 21 FEET AND ALL MDA 40 FEET AND INCREASE S-LOC 17L CAT C VISIBILITY 1/4 MILE.      # @ NA WHEN CONTROL TOWER CLOSED.  
 # @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

**QUALITY CHECKED**

CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1300    TDZE: 1291 AIRPORT NAME: WILEY POST	FACILITY IDENTIFIER: I-PWA	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 17L, AMDT 11 29 JUL 2010	SUP: ILS RWY 17L AMDT: 10A DATED 03/23/2001
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US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
IFI VORTAC (IAF)	AHOWU (FB)	088.34 / 15.48	3000
AHOWU (IF)	BAHHI (FB)	162.97 / 9.79	3000

**LNAV: RW17L**

**CLIMBING RIGHT TURN TO 3400 DIRECT IFI VORTAC AND HOLD.**

**ADDITIONAL FLIGHT DATA:**  
**HOLD NE, LT, 247.27 INBOUND.**  
**CHART FAS OBST: 1409 TREE 353254N/0973815W**  
**CHART: ASR**  
**CHART VDP AT 1.12 MILES TO RW17L.**  
**BAHHI TO RW17L: 3.05/54.**

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT AHOWU
- FAC: 174.99 FAF: BAHHI DIST FAF TO MAP: 5.12 THLD: 5.12
- MIN. ALT: AHOWU 3000, BAHHI 3000
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
- GS ANGLE:        TCH: 34:1 IS CLEAR
- MSA FROM: RW17L 3800

MAG VAR: 5E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1700	1/2	409	1700	1/2	409	1700	3/4	409	1700	1	409			
CIRCLING	1780	1	480	1780	1	480	1780	1 1/2	480	1880	2	580			

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILL ROGERS WORLD ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.  
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D TO 1 1/4 MILE.  
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>OKLAHOMA CITY, OK</b>	ELEVATION: 1300 TDZE: 1291 AIRPORT NAME: <b>WILEY POST</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 17L, AMDT 1</b> <b>29 JUL 2010</b>	SUP: AMDT: <b>ORIG</b> DATED <b>08/30/2007</b>
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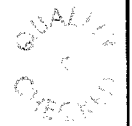
US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IFI VORTAC ON V140 SOUTHWEST BOUND.

CHART NOTE: VDP NA WITH WILL ROGERS WORLD ALTIMETER SETTING.



CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1300 TDZE: 1291 AIRPORT NAME: WILEY POST	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17L, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 08/30/2007



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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
IRW VORTAC	MEHUF (FO)	230.80 / 2.15	2900	LPV: DA LNAV/VNAV: DA LNAV: RW35R
PWA VOR/DME	MEHUF (FO)	174.59 / 11.65	2900	
NEADS	HUSOK (FB)	020.28 / 26.14	2900	CLIMB TO 3100 DIRECT BAHHI AND ON TRACK 296.08 TO IFI VORTAC AND HOLD.
HUSOK (IAF)	MEHUF (NOPT) (FB)	084.93 / 5.00	2900	
MEHUF (IF/IAF)	NORRM (FB)	354.99 / 6.40	2900	

ADDITIONAL FLIGHT DATA:  
 HOLD NE, LT, 247.27 INBOUND.  
 CHART FAS OBST: 1478 TANK 353043N/0973829W  
 DISTANCE TO THLD FROM 200 HAT: 0.47 NM.  
 CHART VDP AT 1.24 MILES TO RW35R\* \*LNAV ONLY.  
 WAAS CHANNEL # 42716  
 REFERENCE PATH ID: W35A  
 CHART: ASR

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD S MEHUF, LT, 354.99 INBOUND, 2900 FT. IN LIEU OF PT (IAF)
3. FAC: 354.99 FAF: NORRM DIST FAF TO MAP: 4.81 THLD: 4.81
4. MIN. ALT: MEHUF 2900, NORRM 2900
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 2900 GS ALT AT: NORRM 2900 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 49.9 34:1 IS CLEAR
8. MSA FROM: RW35R 3800

MAG VAR: 5E                      EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A				STANDARD @				
CATEGORY	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1499	1/2	200	1499	1/2	200	1499	1/2	200	1499	1/2	200			
LNAV/VNAV DA	1769	1 1/4	470	1769	1 1/4	470	1769	1 1/4	470	1769	1 1/4	470			
LNAV MDA	1740	1/2	441	1740	1/2	441	1740	3/4	441	1740	1	441			
CIRCLING	1780	1	480	1780	1	480	1780	1 1/2	480	1880	2	580			

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING WILL ROGERS WORLD ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.  
 SEE 8260-10

CITY AND STATE <b>OKLAHOMA CITY, OK</b>	ELEVATION: 1300 TDZE: 1299 AIRPORT NAME: <b>WILEY POST</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 35R, ORIG 29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV (GPS) - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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**NOTES CONT.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILL ROGERS WORLD ALTIMETER SETTING AND INCREASE ALL DA 21 FEET AND ALL MDA 40 FEET.**

**CHART NOTE: VDP NA WITH WILL ROGERS WORLD ALTIMETER SETTING.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON IRW VORTAC AIRWAY RADIALS 188 CW 277.**



CITY AND STATE OKLAHOMA CITY, OK	ELEVATION: 1300 TDZE: 1299 AIRPORT NAME: WILEY POST	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35R, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPWA
RUNWAY	RW35R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	353131.9285N
LTP/FTP LONGITUDE	0973843.7925W
LTP/FTP ELLIPSOIDAL HEIGHT	+03691
FPAP LATITUDE	353240.0400N
FPAP LONGITUDE	0973843.8000W
THRESHOLD CROSSING HEIGHT (TCH)	00049.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0016
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

**CRC REMAINDER** C1E3C2A9

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03961
FPAP ORTHOMETRIC HEIGHT	+03961

CITY AND STATE

OKLAHOMA CITY, OK

ELEVATION: 1300 TDZE: 1299

AIRPORT NAME:

WILEY POST

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35R, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:





ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
FAR PART 97.29

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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
MUREX INT/LMT VORTAC 17.00 DME CCW (IAF)	TAHNE/LMT VORTAC 17.00 DME	17.00 DME ARC (LMT LR-149)	9000	ILS: DA LOC: LMT VORTAC 0.61 DME FIX	
TULIP INT/LMT VORTAC 17.00 DME CW (IAF)	TAHNE/LMT VORTAC 17.00 DME	17.00 DME ARC (LMT LR-135)	9000	CLIMB TO 4700 THEN CLIMBING LEFT TURN TO 10000 VIA HEADING 263 AND LMT VORTAC R-293 TO FNGRR/LMT VORTAC 10.60 DME THEN LEFT TURN DIRECT LMT VORTAC AND HOLD, OR WHEN DIRECTED BY ATC, CLIMB TO 5000 VIA HEADING 321 FOR RADAR VECTORS (RADAR REQUIRED).	
TAHNE/LMT VORTAC 17.00 DME (IF)	MZAMA/LMT VORTAC 7.22 DME	321.23 / 7.78 (I-LMT)	6300		
				ADDITIONAL FLIGHT DATA: HOLD W, RT, 070.00 INBOUND. CHART FAS OBST: 4279 TREE 420626N/1214259W CHART 4579 TREE 420426N/1214156W. CHART LMT R-164 AT MUREX. CHART LMT R-131 AT TULIP. CHART ASR/PAR	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT TAHNE/LMT VORTAC 17.00 DME
- FAC: 321.23 FAF: MZAMA/LMT VORTAC 7.22 DME DIST FAF TO MAP:        THLD: 6.63
- MIN. ALT: TAHNE 9000, MZAMA 6300, SRCUS/LMT VORTAC 4.40 DME 5380\*
- DIST TO THLD FROM OM: 5.84 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1090
- MIN GS INCPT: 6300 GS ALT AT: MZAMA/LMT VORTAC 7.22 DME 6300 OM: - MM: - IM: -
- GS ANGLE: 3.00 TCH: 55.1
- MSA FROM: LMT VORTAC 360-090 8500, 090-180 7800, 180-360 9500

MAG VAR: 17E EPOCH YEAR: 1990

MINIMUMS

TAKEOFF:	<input type="checkbox"/> STANDARD	<input checked="" type="checkbox"/> SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: <u>N A</u>	ILS: # <u>      </u>	LOC: <u>STANDARD @</u>										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 32 ##	**4295	2400	200	**4295	2400	200	**4295	2400	200	**4295	2400	200			
S-ILS 32	4316	2400	221	4316	2400	221	4316	2400	221	4316	2400	221			
S-LOC 32	4620	2400	525	4620	2400	525	4620	5000	525	4620	6000	525			
CIRCLING	4840	1	745	4980	1 1/4	885	4980	2 3/4	885	5060	3	965			

NOTES:  
CHART PLANVIEW NOTE: DME REQUIRED.  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.  
\*LOC ONLY

# CAT A 800-2, CAT B 900-2, CAT C 900-2 3/4,  
CAT D 1000-3  
@ CAT B 900-2, CAT C 900-2 3/4, CAT D 1000-3



CHART NOTE: ##MISSED APPROACH REQUIRES MINIMUM CLIMB GRADIENT OF 217 FT PER NM TO 5600.  
SEE 8260-10

CITY AND STATE <b>KLAMATH FALLS, OR</b>	ELEVATION: 4095 TDZE: 4095 AIRPORT NAME: <b>KLAMATH FALLS</b>	FACILITY IDENTIFIER: <b>I-LMT</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>ILS OR LOC/DME RWY 32, AMDT 20</b> <b>29 JUL 2010</b>	SUP. ILS OR LOC RWY 32 AMDT: <b>19D</b> DATED <b>03/16/2006</b>
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**ILS - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

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

NOTES CONT.

CHART NOTE: DME FROM LMT VORTAC. SIMULTANEOUS RECEPTION OF I-LMT AND LMT DME REQUIRED.

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

QUALITY  
 6  
 CHECKED

CITY AND STATE  
 KLAMATH FALLS, OR

ELEVATION: 4095 TDZE: 4095  
 AIRPORT NAME:  
 KLAMATH FALLS

FACILITY IDENTIFIER:  
 I-LMT

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
 ILS OR LOC/DME RWY 32, AMDT 20  
 29 JUL 2010

SUP: ILS OR LOC RWY 32  
 AMDT: 19D  
 DATED: 03/16/2006

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
MIXUP (IAF)	PIKYI (FB)	123.72 / 9.37	8300	LPV: DA LNAV: RW14
SPRAG (IAF)	PIKYI (FB)	212.43 / 12.31	8300	CLIMB TO 9300 DIRECT LAGYI AND VIA TRACK 165.38 TO MUREX AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9300.
PIKYI (IF)	CUTOK (FB)	141.14 / 6.01	7000	

ADDITIONAL FLIGHT DATA:  
HOLD S, RT, 344.00 INBOUND.  
CHART FAS OBST: 4732 TOWER 421256N/1214757W  
DISTANCE TO THLD FROM 544 HAT: 1.55 NM.  
CHART VDP AT 2.45 MILES TO RW14\* \*LNAV ONLY.  
WAAS CHANNEL # 58001  
REFERENCE PATH ID: W14A  
FAS OBST: 5009 AAO 421505.58N/1214606.64W  
CHART: ASR/PAR

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT PIKYI
- FAC: 141.17 FAF: CUTOK DIST FAF TO MAP: 8.76 THLD: 8.76
- MIN. ALT: PIKYI 8300, CUTOK 7000, FOVMI/7.20 NM TO RW14 6480\*, HOKBI/5.80 NM TO RW14 6000\*, WILLK/4.80 NM TO RW14
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 7000 GS ALT AT: CUTOK OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR
- MSA FROM: RW14 9500

MAG VAR: 17E EPOCH YEAR: 1990

**MINIMUMS**

TAKEOFF:	<input type="checkbox"/> STANDARD	<input checked="" type="checkbox"/> X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	@										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	4635	2	544	4635	2	544	4635	2	544	4635	2	544			
LNAV MDA	4920	3/4	829	4920	1 1/4	829	4920	2 1/2	829	4920	2 3/4	829			
CIRCLING	4920	1	825	4980	1 1/4	885	4980	2 3/4	885	5060	3	965			

NOTES:  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS, AND LNAV CATS B AND C.  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MIXUP VIA V452 NORTHWEST BOUND.  
SEE 8260-10

@ CAT A, B 900-2, CAT C 900-2 3/4, CAT D 1000-3



CITY AND STATE <b>KLAMATH FALLS, OR</b>	ELEVATION: 4095 TDZE: 4091 AIRPORT NAME: <b>KLAMATH FALLS</b>	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 <b>29 JUL 2010</b>	SUP: AMDT: <b>ORIG</b> DATED <b>01/18/2007</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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LINE 4 CONT.  
5680\*

NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SPRAG VIA V25 NORTH BOUND.

\*LNAV ONLY



CITY AND STATE KLAMATH FALLS, OR	ELEVATION: 4095 TDZE: 4091 AIRPORT NAME: KLAMATH FALLS	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 01/18/2007

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLMT
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	421009.1345N
LTP/FTP LONGITUDE	1214425.4560W
LTP/FTP ELLIPSOIDAL HEIGHT	+12242
FPAP LATITUDE	420834.6500N
FPAP LONGITUDE	1214334.7400W
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)	50.0
 <u>CRC REMAINDER</u>	 5CFA48BB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+12469
FPAP ORTHOMETRIC HEIGHT	+12469



CITY AND STATE KLAMATH FALLS, OR	ELEVATION: 4095 TDZE: 4091	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: KLAMATH FALLS		RNAV (GPS) RWY 14, AMDT 1	AMDT: ORIG
			29 JUL 2010	DATED: 01/18/2007

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

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**ARINC PACKET - 424-18 - RNAV (GPS)**

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEAENRT	CUTOK	K10	W	N42181753W121484840				E0154	NAR	CUTOK			
SUSAEAENRT	FOVMI	K10	W	N42165039W121480139				E0154	NAR	FOVMI			
SUSAEAENRT	HOKBI	K10	W	N42153238W121471935				E0154	NAR	HOKBI			
SUSAEAENRT	LAGYI	K10	W	N42074978W121431066				E0154	NAR	LAGYI			
SUSAEAENRT	MIXUP	K10	C	L	N42310779W121594966			E0155	NAR	MIXUP			
SUSAEAENRT	MUREX	K20	C	L	N41521103W121440293			E0153	NAR	MUREX			
SUSAEAENRT	PIKYI	K10	W	N42235214W121514925				E0155	NAR	PIKYI			
SUSAEAENRT	SPRAG	K10	C	L	N42315354W121391176			E0155	NAR	SPRAG			
SUSAEAENRT	WILLK	K10	W	N42143665W121464933				E0154	NAR	WILLK			

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KLMTKIALMT	0	103YHN42092210W121435950E017004095				1800018000C	MNAR	KLAMATH FALLS				

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KLMTK1FR14	AMIXUP	010MIXUPK1EA0E	A	IF					18000		A	JS
SUSAP	KLMTK1FR14	AMIXUP	020PIKYIK1EA0EE		010TF			12370094	+ 08300			A	JS
SUSAP	KLMTK1FR14	ASPRAG	010SPRAGK1EA0E	A	IF					18000		A	JS
SUSAP	KLMTK1FR14	ASPRAG	020PIKYIK1EA0EE		010TF			21240123	+ 08300			A	JS
SUSAP	KLMTK1FR14	R	010PIKYIK1EA0E	I	IF				+ 08300	18000		A	JS
SUSAP	KLMTK1FR14	R	020CUTOKK1EA1E	F	051TF			14110060	+ 07000		RW14	K1PGA	JS
SUSAP	KLMTK1FR14	R	020CUTOKK1EA2WALPV			N	ALNAV						JS
SUSAP	KLMTK1FR14	R	021FOVMIK1EA0E	S	031TF			14120016	V 0648006482		-300	A	JS
SUSAP	KLMTK1FR14	R	022HOKBIK1EA0E	S	031TF			14120014	V 0600006019		-300	A	JS
SUSAP	KLMTK1FR14	R	023WILLKK1EA0E	S	031TF			14120010	V 0568005691		-300	A	JS
SUSAP	KLMTK1FR14	R	030RW14 K1PGOGY	M	031TF			14120048	04141		-300	A	JS
SUSAP	KLMTK1FR14	R	040LAGYIK1EA0E	M	010DF							A	JS
SUSAP	KLMTK1FR14	R	050MUREXK2EA0EY		010TF			1654	+ 09300			A	JS
SUSAP	KLMTK1FR14	R	060MUREXK2EA0EE		HR020HM			34400070	+ 09300			A	JS

**QUALITY CHECKED**

CITY AND STATE KLAMATH FALLS, OR	ELEVATION: 4095 TDZE: 4091 AIRPORT NAME: KLAMATH FALLS	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 01/18/2007

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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KLMTK1GRW14	0103021412 N42100913W121442546+0000 +1224204091000050150R												
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KLMTK1PR14	RW14 001 0000W14A0N4210091345W12144254560+122420300N4208346500W12143347400106750000000500F4005005CFA48BB												
SUSAP KLMTK1PR14	RW14 002E +12469+12469LPV 58001												
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KLMTK1SRW14	K1PG 0 18018009525 M												



CITY AND STATE  
KLAMATH FALLS, OR

ELEVATION: 4095 TDZE: 4091  
AIRPORT NAME:  
KLAMATH FALLS

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 14, AMDT 1  
29 JUL 2010

SUP:	
AMDT:	ORIG
DATED:	01/18/2007

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
LEESR	MUREX (FB)	103.71 / 11.23	8600	<b>LPV: DA</b> <b>LNAV/VNAV: DA</b> <b>LNAV: RW32</b>  <b>CLIMB TO 8600 DIRECT YUPUS AND VIA TRACK 249.49 TO FEXAV AND VIA TRACK 159.35 TO LEESR AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD N, LT, 159.35 INBOUND.</b> <b>CHART FAS OBST: 4183 TREE 420811N/1214304W</b> <b>CHART FAS OBST: 4279 TREE 420626N/1214259W</b> <b>CHART 4739 TREE 420414N/1214335W.</b> <b>DISTANCE TO THLD FROM 292 HAT: 0.74 NM.</b> <b>CHART VDP AT 1.80 MILES TO RW32* *LNAV ONLY.</b> <b>WAAS CHANNEL # 70702</b> <b>REFERENCE PATH ID: W32A</b> <b>CHART ASR/PAR</b>
MUREX (IAF)	ZOOMI (FB)	045.18 / 6.44	8300	
TULIP (IAF)	ZOOMI (FB)	260.89 / 3.55	8300	
ZOOMI (IF)	MZAMA (FB)	321.31 / 7.78	6300	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN          MILES OF          (IAF)
2. PROFILE STARTS AT ZOOMI
3. FAC: 321.27 FAF: MZAMA DIST FAF TO MAP: 6.63 THLD: 6.63
4. MIN. ALT: ZOOMI 8300, MZAMA 6300, SRCUS/3.80 NM TO RW32 5360\*
5. DIST TO THLD FROM OM:          MM:          IM:          150 HAT:          100 HAT:          GS ANT:
6. MIN GS INCPT: 6300 GS ALT AT: MZAMA OM:          MM:          IM:
7. GS ANGLE: 3.00 TCH: 55.1 34:1 IS CLEAR
8. MSA FROM: RW32 9500

MAG VAR: 17E EPOCH YEAR: 1990

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @											
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	4387	2400	292	4387	2400	292	4387	2400	292	4387	2400	292				
LNAV/VNAV DA	4674	1 1/2	579	4674	1 1/2	579	4674	1 1/2	579	4674	1 1/2	579				
LNAV MDA	4720	2400	625	4720	2400	625	4720	6000	625	4720	1 1/2	625				
CIRCLING	4840	1	745	4980	1 1/4	885	4980	2 3/4	885	5060	3	965				

NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23C (-9F) OR ABOVE 41C (105F) @ CAT B 900-2, CAT C 900-2 3/4, CAT D 1000-3  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.  
 SEE 8260-10



CITY AND STATE <b>KLAMATH FALLS, OR</b>	ELEVATION: 4095 TDZE: 4095 AIRPORT NAME: <b>KLAMATH FALLS</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 32, ORIG</b> <b>29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED:
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

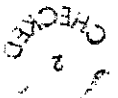
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NOTES CONT.

\*LNAV ONLY

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MUREX VIA V25 SOUTHBOUND, AND AT TULIP VIA V452 SOUTHEAST BOUND.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV VISIBILITY ALL CATS TO RVR 5000.



CITY AND STATE KLAMATH FALLS, OR	ELEVATION: 4095 TDZE: 4095	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: KLAMATH FALLS		RNAV (GPS) RWY 32, ORIG	AMDT: NONE
			29 JUL 2010	DATED:

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

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLMT
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	420834.6470N
LTP/FTP LONGITUDE	1214334.7365W
LTP/FTP ELLIPSOIDAL HEIGHT	+12254
FPAP LATITUDE	421012.3300N
FPAP LONGITUDE	1214427.1800W
THRESHOLD CROSSING HEIGHT (TCH)	00055.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 B51BB6C0

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+12482
FPAP ORTHOMETRIC HEIGHT	+12482



CITY AND STATE KLAMATH FALLS, OR	ELEVATION: 4095 TDZE: 4095 AIRPORT NAME: KLAMATH FALLS	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:



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

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

PP 1 2 3 4 5 6 7 8 9 0 1 2 3  
 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012  
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 SUSAP KLMTK1PR32 RW32 001 0000W32A0N4208346470W12143347365+122540300N4210123300W12144271800106750104000551F400500B51BB6C0  
 SUSAP KLMTK1PR32 RW32 002E +12482+12482LPV 70702

MSA 1 2 3 4 5 6 7 8 9 0 1 2 3  
 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012  
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 SUSAP KLMTK1SRW32 K1PG 0 18018009525 M



CITY AND STATE KLAMATH FALLS, OR	ELEVATION: 4095 TDZE: 4095	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) RWY 32, ORIG	AMDT: NONE
	KLAMATH FALLS		29 JUL 2010	DATED:

# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

## (1) TAKEOFF MINIMUMS:

RWY 7, NA - TERRAIN.

RWY 14, STANDARD WITH MINIMUM CLIMB OF 300' PER NM TO 7100, OR 3100 - 3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 25, STANDARD WITH MINIMUM CLIMB OF 400' PER NM TO 7100, OR 3100 - 3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 32, STANDARD WITH MINIMUM CLIMB OF 350' PER NM TO 7100, OR 3100 - 3 FOR CLIMB IN VISUAL CONDITIONS.

## (2) TEXTUAL DEPARTURE PROCEDURE:

RWY 14 - CLIMB HEADING 141.22 TO 6500 THEN CLIMBING RIGHT TURN TO INTERCEPT LMT R-181 TO LMT VORTAC, THENCE... OR FOR CLIMB IN VISUAL CONDITIONS: CROSS KLAMATH FALLS AIRPORT AT OR ABOVE 7000 DIRECT LMT VORTAC, THENCE...

RWY 25 - CLIMB HEADING 253.43 TO 6000 THEN CLIMBING RIGHT TURN TO INTERCEPT LMT R-306 TO LMT VORTAC, THENCE... OR FOR CLIMB IN VISUAL CONDITIONS: CROSS KLAMATH FALLS AIRPORT AT OR ABOVE 7000 DIRECT LMT VORTAC, THENCE...

RWY 32 - CLIMB HEADING 321.23 TO 6700 THEN CLIMBING LEFT TURN TO INTERCEPT LMT R-277 TO LMT VORTAC, THENCE... OR FOR CLIMB IN VISUAL CONDITIONS: CROSS KLAMATH FALLS AIRPORT AT OR ABOVE 7000 DIRECT LMT VORTAC, THENCE...

...CONTINUE CLIMB IN LMT VORTAC HOLDING PATTERN (W, RT, 070.00 INBOUND) TO CROSS LMT VORTAC AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

## (3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 14, TREES 3108' FROM DER, 1240' LEFT OF CENTERLINE, 100' AGL/4183' MSL.

NOTE: RWY 25, TERRAIN AND TREES BEGINNING 597' FROM DER, 420' LEFT OF CENTERLINE, UP TO 100' AGL/4499' MSL. VEHICLES ON ROAD AND RAILROAD BEGINNING 254' FROM DER, 127' LEFT OF CENTERLINE, UP TO 23' AGL/4113' MSL.

NOTE: RWY 32, MULTIPLE TREES BEGINNING 2625' FROM DER, 742' LEFT OF CENTERLINE, UP TO 100' AGL/4191' MSL.

## (4) CONTROLLING OBSTACLES:

RWY 14: 9695 MSL AAO 422641.00N/1221859.30W, 5145 MSL TREE 420323.30N/1214233.65W, 6725 MSL AAO 420601.07N/1213807.16W.

RWY 25: 9695 MSL AAO 422641.00N/1221859.30W, 4499 MSL TREE 420856.69N/1214623.19W, 6725 MSL AAO 420601.07N/1213807.16W.

RWY 32: 9695 MSL AAO 422641.00N/1221859.30W, 5568 MSL TREE 421546.60N/1214528.78W, 6725 MSL AAO 420601.07N/1213807.16W.

VCOA: 6495 MSL AAO 420628.85N/1213831.67W, 6725 MSL AAO 420601.07N/1213807.16W.



(5) City, State <b>KLAMATH FALLS, OR</b>	(6) Airport <b>KLAMATH FALLS</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amtd. No. <b>5</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.23**

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

**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LMT VORTAC (IAF)	NECIE/20.00 DME	301.00 / 20.00	11300
LEIFF/20.00 DME CW (IAF)	NECIE/20.00 DME	20.00 DME ARC	11300
NECIE/20.00 DME CW	MUPEE/20.00 DME	20.00 DME ARC	9500
MUPEE/20.00 DME (IF)	KOTTA/13.41 DME	134.41 / 6.59 (LMT R-314)	7800
KOTTA/13.41 DME	EYOWO/8.55 DME	134.41 / 4.86 (LMT R-314)	6800

MAP: MAFEG/1.50 DME

CLIMB TO 5000 THEN CLIMBING RIGHT TURN TO 9400 VIA HEADING 180.00 AND LMT VORTAC R-164 TO MUREX/LMT 17.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9400. OR WHEN DIRECTD BY ATC, CLIMB TO 5000 VIA HEADING 134 FOR RADAR VECTORS (RADAR REQUIRED).

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 344.00 INBOUND.  
 CHART FAS OBST: 4420 TWR 421137N/1214623W  
 CHART: 4732 TOWER 421256N/1214757W  
 CHART VDP AT 3.44 DME;  
 DISTANCE VDP TO THLD 2.32 MILES.  
 CHART LMT R-301 AT NECIE.  
 CHART LMT R-265 AT LEIFF.  
 EYOWO TO RW14: 3.37/50.  
 CHART ASR/PAR  
 FAC CROSSES RWY C/L EXTENDED 2247 FROM THLD.

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

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
2. PROFILE STARTS AT MUPEE/20.00 DME
3. FAC 134.41 FAF EYOWO/8.55 DME DIST FAF TO MAP \_\_\_\_\_ THLD 7.43
4. MIN. ALT MUPEE 9500, KOTTA 7800, EYOWO 6800, ZAPUL/5.50 DME 5700, CLEET/4.40 DME 5300
8. MSA FROM: LMT VORTAC 360-090 8500, 090-180 7800, 180-360 9500

**MINIMUMS**

TAKEOFF: <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> X SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A						STANDARD @								
	A			B			C			D			E		
CATEGORY =====>	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-14	4860	3/4	769	4860	1 1/4	769	4860	2 1/4	769	4860	2 1/2	769	4860	2 3/4	769
CIRCLING	4880	1	785	4980	1 1/4	885	4980	2 3/4	885	5060	3	965	5700	3	1605

NOTES:

CHART NOTE: CIRCLING NA FOR CAT E NE OF RWY 14-32.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO CATS B AND C.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LMT VORTAC VIA AIRWAY RADIALS 314 CW 351.

CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT.

© CAT B 900-2, CAT C 900-2 3/4, CAT D 1000-3, CAT E 1700-3



CITY AND STATE KLAMATH FALLS, OR	ELEVATION: 4095 TDZE: 4091	FACILITY IDENTIFIER: LMT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME OR TACAN RWY 14, AMDT 5  29 JUL 2010	SUP
	AIRPORT NAME:  KLAMATH FALLS			AMDT 4
				DATE 01/18/2007

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

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**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LMT VORTAC	JIDAL/7.00 DME	148.00 / 7.00	8800
MUREX/LMT 17.00 DME CCW (IAF)	CURVN/LMT 17.00 DME (NOPT)	17.00 DME ARC	8000
TULIP/LMT 17.00 DME CW (IAF)	CURVN/LMT 17.00 DME (NOPT)	17.00 DME ARC	8000
CURVN/LMT 17.00 DME (IF)	JIDAL/LMT 7.00 DME	328.00 / 10.00 (LMT R-148)	6300

MAP: HEGEX/1.00 DME FIX

CLIMB TO 5100 THEN CLIMBING LEFT TURN TO 10000 VIA HEADING 263 AND VIA LMT VORTAC R-293 TO FNGRR/LMT VORTAC 10.60 DME THEN LEFT TURN DIRECT LMT VORTAC AND HOLD, (TACAN AIRCRAFT CLIMB TO 5000 THEN CLIMBING LEFT TURN TO 9000 VIA HEADING 230 AND LMT VORTAC R-265 TO OLEBY/15.00 DME). OR WHEN DIRECTED BY ATC, CLIMB TO 5000 VIA HEADING 321 FOR RADAR VECTORS (RADAR REQUIRED).

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 070.00 INBOUND.  
 CHART FAS OBST: 4279 TREE 420626N/1214259W  
 CHART 4739 TREE 420414N/1214335W.  
 CHART VDP AT 1.91 DME;  
 DISTANCE VDP TO THLD 1.30 MILES.  
 CHART LMT R-164 AT MUREX.  
 CHART LMT R-131 AT TULIP.  
 JIDAL TO RW32: 3.17/50.  
 FAC 291R OF RWY C/L EXTENDED 3000 FROM THLD.  
 CHART ASR/PAR.

1. PT R SIDE OF COURSE 148.00 OUTBOUND 8000 FT WITHIN 10 MILES OF JIDAL (IAF)

2. \_\_\_\_\_

3. FAC 328.00 FAF JIDAL/7.00 DME DIST FAF TO MAP \_\_\_\_\_ THLD 6.40

4. MIN. ALT JIDAL 6300, FEPNU/4.40 DME 5420

8. MSA FROM: LMT VORTAC 360-090 8500, 090-180 7800, 180-360 9500

MAG VAR: 17E EPOCH YEAR: 1990

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-32	4560	2400	465	4560	2400	465	4560	4000	465	4560	5000	465	4560	6000	465
CIRCLING	4840	1	745	4980	1 1/4	885	4980	2 3/4	885	5060	3	965	5700	3	1605

NOTES:

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-32 CAT E VISIBILITY TO 1 3/4 MILE.

CHART NOTE: CIRCLING NA FOR CAT E NE OF RWY 14-32.

CHART NOTE: PROCEDURE TURN NA FOR CAT E AIRCRAFT.

@ CAT B 900-2, CAT C 900-2 3/4, CAT D 1000-3, CAT E 1700-3



CITY AND STATE KLAMATH FALLS, OR	ELEVATION: 4095 TDZE: 4095	FACILITY IDENTIFIER: LMT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME OR TACAN RWY 32, AMDT 5  29 JUL 2010	SUP
	AIRPORT NAME:  KLAMATH FALLS			AMDT 4
				DATE 02/07/1989

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

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

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

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

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

NOTES:  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE KLAMATH FALLS, OR	ELEVATION: 4095 TDZE: AIRPORT NAME:  KLAMATH FALLS	FACILITY IDENTIFIER: LMT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR OR GPS-B, AMDT 3, 06/01/1989	SUP AMDT 2 DATE 02/12/87
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## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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### (1) TAKEOFF MINIMUMS:

RWY 9, STANDARD WITH MINIMUM CLIMB OF 331 FT PER NM TO 900 OR 300-2 WITH MINIMUM CLIMB OF 280 FT PER NM TO 2000 OR 2200-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 12, 1300-3 WITH MINIMUM CLIMB OF 494 FT PER NM TO 2200 OR 2200-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 27, 1200-3 WITH MINIMUM CLIMB OF 467 FT PER NM TO 2100 OR 2200-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 30, STANDARD WITH MINIMUM CLIMB OF 454 FT PER NM TO 1800, OR 300-2 WITH MINIMUM CLIMB OF 285 FT PER NM TO 1900 OR 2200-3 FOR CLIMB IN VISUAL CONDITIONS.

### (2) TEXTUAL DEPARTURE PROCEDURE:

RWY 9 - CLIMB HEADING 087.00 TO 2300 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS, CROSS WILLIAMSPORT RGNL AIRPORT AT OR ABOVE 2600 BEFORE PROCEEDING ON COURSE.

RWY 12 - CLIMBING LEFT TURN HEADING 090.00 TO 2400 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS, CROSS WILLIAMSPORT RGNL AIRPORT AT OR ABOVE 2600 BEFORE PROCEEDING ON COURSE.

RWY 27 - CLIMBING RIGHT TURN HEADING 285.00 TO 2700 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS, CROSS WILLIAMSPORT RGNL AIRPORT AT OR ABOVE 2600 BEFORE PROCEEDING ON COURSE.

RWY 30 - CLIMB HEADING 295.97 TO 2500 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS, CROSS WILLIAMSPORT RGNL AIRPORT AT OR ABOVE 2600 BEFORE PROCEEDING ON COURSE.

### (3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, TREES BEGINNING 158' FROM DER, 97' RIGHT OF CENTERLINE, UP TO 100' AGL/784' MSL. TREES BEGINNING 284' FROM DER, 519' LEFT OF CENTERLINE, UP TO 100' AGL/1083' MSL. HAZARD BEACONS BEGINNING 1.0 NM FROM DER, 1653' RIGHT OF CENTERLINE, UP TO 100' AGL/773' MSL. HAZARD BEACON 1.1 NM FROM DER, 1080' LEFT OF CENTERLINE, 114' AGL/773' MSL. POLES BEGINNING 259' FROM DER, 228' RIGHT OF CENTERLINE, UP TO 65' AGL/565' MSL. POLE 997' FROM DER, 62' LEFT OF CENTERLINE, 55' AGL/555' MSL. TRAIN 179' FROM DER, 459' LEFT OF CENTERLINE, 34' AGL/554' MSL. BUILDING 616' FROM DER, 524' LEFT OF CENTERLINE, 47' AGL/557' MSL. (CONTINUED)

### (4) CONTROLLING OBSTACLES:

RWY 9: 683 MSL TREE 411453.33N/0765357.08W. 2164 MSL TOWER 412021.00N/0764642.00W.

RWY 12: 1759 MSL TREE 411306.43N/0765251.60W. 2065 MSL TOWER 411302.00N/0765349.00W.

RWY 27: 1209 MSL TREE 411327.00N/0765821.00W. 2333 MSL TOWER 411231.79N/0765724.18W.

RWY 30: 779 MSL TREE 411550.00N/0765630.00W. 1199 MSL AAO 411541.68N/0770006.76W. 2333 MSL TOWER 411231.79N/0765724.18W.

2048 MSL ANTENNA 411301.24N/0765443.16W. (CONTINUED)

(5) City, State

WILLIAMSPORT, PA

(6) Airport

WILLIAMSPORT RGNL

(7) Effective Date

29 JUL 2010

(8) Amdt. No.

4

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

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

(CONTINUED FROM PAGE 1)

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 12, TREES BEGINNING 119' FROM DER, 174' RIGHT OF CENTERLINE, UP TO 100' AGL/1759' MSL. TREES BEGINNING 2077' FROM DER, 264' LEFT OF CENTERLINE, UP TO 100' AGL/1729' MSL. POLES BEGINNING 272' FROM DER, 231' LEFT OF CENTERLINE, UP TO 64' AGL/565' MSL. HAZARD BEACON 1.0 NM FROM DER, 1837' LEFT OF CENTERLINE, 60' AGL/701' MSL.**

**NOTE: RWY 27, TREES BEGINNING 127' FROM DER, 132' RIGHT OF CENTERLINE, UP TO 100' AGL/619' MSL. TREES BEGINNING 1051' FROM DER, 74' LEFT OF CENTERLINE, UP TO 100' AGL/1659' MSL. TRANSMISSION TOWERS BEGINNING 1.9 NM FROM DER, 1901' LEFT OF CENTERLINE, UP TO 81' AGL/1040' MSL. ANTENNA ON BUILDING 882' FROM DER, 301' RIGHT OF CENTERLINE, 37' AGL/537' MSL.**

**NOTE: RWY 30, TREES BEGINNING 599' FROM DER, 91' RIGHT OF CENTERLINE, UP TO 100' AGL/776' MSL. TREES BEGINNING 1088' FROM DER, 81' LEFT OF CENTERLINE, UP TO 100' AGL/763' MSL. POLES BEGINNING 396' FROM DER, 196' RIGHT OF CENTERLINE, UP TO 88' AGL/607' MSL. TRANSMISSION LINE TOWER 2556' FROM DER, 728' RIGHT OF CENTERLINE, 88' AGL/608' MSL. SIGN 321' FROM DER, 373' RIGHT OF CENTERLINE, 14' AGL/534' MSL. VEHICLE ON ROAD 355' FROM DER, 373' RIGHT OF CENTERLINE, 17' AGL/537' MSL.**

**(4) CONTROLLING OBSTACLES:**

VCOA: 2333 MSL TOWER 411231.79N/0765724.18W.

City, State <b>WILLIAMSPORT, PA</b>		Airport <b>WILLIAMSPORT RGNL</b>			Effective Date <b>29 JUL 2010</b>	Amdt. No. <b>4</b>
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date	

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
REBUS	JEPUL (FB)	138.15 / 7.29	2000	LNAV: RW07	
SAV VORTAC (IAF)	EROMY (NOPT) (FB)	068.31 / 20.43	2000	CLIMB TO 2300 DIRECT EPOLE AND HOLD.	
JEPUL (IAF)	EROMY (NOPT) (FB)	157.26 / 5.00	2000		
LEFKO (IAF)	EROMY (NOPT) (FB)	337.32 / 5.00	2000		
EROMY (IF/IAF)	JERBO (FB)	067.29 / 6.10	2000		
				ADDITIONAL FLIGHT DATA: HOLD E, RT, 247.52 INBOUND. CHART FAS OBST: 122 TREE 322420N/0803835W CHART 152 TANK 322331N/0804050W. CHART: ASR CHART TDZE AND APT ELEV: 9 CHART BEAUFORT 1 MOA, BEAUFORT 2 MOA, W-74. JERBO TO RW07: 3.05/40.	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD SW EROMY, RT, 067.29 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 067.34 FAF: JERBO        DIST FAF TO MAP: 6.03 THLD: 6.03
4. MIN. ALT: EROMY 2000, JERBO 2000, EKITE/2.50 NM TO RW07 840
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: RW07 2400

MAG VAR: 7W                      EPOCH YEAR: 2005

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @									
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	380	1	371	380	1	371	380	1	371		NA				
CIRCLING	480	1	471	480	1	471	480	1 1/2	471		NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: PROCEDURE NA AT NIGHT.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PROFILE NOTE: VGSİ AND DESCENT ANGLES NOT COINCIDENT.  
 SEE 8260-10



CITY AND STATE <b>BEAUFORT, SC</b>	ELEVATION: 9 TDZE: 9 AIRPORT NAME: <b>BEAUFORT COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 7, AMDT 1</b> <b>29 JUL 2010</b>	SUP: AMDT: <b>ORIG-A</b> DATED <b>07/10/2003</b>
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV (GPS) - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

**NOTES CONT.**

**CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT LEFKO.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAV VORTAC ON V437 SOUTHWEST BOUND.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BEAUFORT MCAS ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.**



CITY AND STATE BEAUFORT, SC	ELEVATION: 9 TDZE: 9 AIRPORT NAME: BEAUFORT COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG-A
				DATED: 07/10/2003

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

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**ARINC PACKET - 424-18 - RNAV (GPS)**

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAD	SAV	K7011595VTHA	N32084651W081115681	N32084651W081115681	W0060000242	NARS	SAVANNAH						

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAEAENRT	EKITE	K70	W	N32232110W080405516				W0069	NAR	EKITE			
SUSAEAENRT	EPOLE	K70	W	N32305164W080251785				W0071	NAR	EPOLE			
SUSAEAENRT	EROMY	K70	W	N32183453W080504782				W0067	NAR	EROMY			
SUSAEAENRT	JEPUL	K70	W	N32225559W080534340				W0067	NAR	JEPUL			
SUSAEAENRT	JERBO	K70	W	N32213628W080443225				W0068	NAR	JERBO			
SUSAEAENRT	LEFKO	K70	W	N32141340W080475252				W0068	NAR	LEFKO			
SUSAEAENRT	REBUS	K70	C	L N32274411W081001232				W0067	NAR	REBUS			

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAP	KARWK7AARW	0	034YHN32244380W080380368W007000009	18000	18000	C	MNAR	BEAUFORT	COUNTY				

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAP KARWK7FR07	AEROMY	010EROMYK7EA0EE	AR	HF			06730040	+ 02000	18000			B JS	
SUSAP KARWK7FR07	ALEFKO	010LEFKOK7EA0E	A	IF					18000			B JS	
SUSAP KARWK7FR07	ALEFKO	020EROMYK7EA0EE	B	010TF			33730050	+ 02000				B JS	
SUSAP KARWK7FR07	AREBUS	010REBUSK7EA0E		IF					18000			B JS	
SUSAP KARWK7FR07	AREBUS	020JEPULK7EA0E	A	020TF			13820073	+ 02000				B JS	
SUSAP KARWK7FR07	AREBUS	030EROMYK7EA0EE	B	010TF			15730050	+ 02000				B JS	
SUSAP KARWK7FR07	ASAV	010SAV K7D	OV	A	IF				18000			B JS	
SUSAP KARWK7FR07	ASAV	020EROMYK7EA0EE	B	010TF			06830204	+ 02000				B JS	
SUSAP KARWK7FR07	R	010EROMYK7EA0E	I	IF				+ 02000	18000			B JS	
SUSAP KARWK7FR07	R	020JERBOK7EA1E	F	051TF			06730061	+ 02000			RW07	K7PGB	JS
SUSAP KARWK7FR07	R	020JERBOK7EA2WN		N	ALNAV							JS	
SUSAP KARWK7FR07	R	021EKITEK7EA0E	S	031TF			06730035	V 0084000864			-305	B JS	
SUSAP KARWK7FR07	R	030RW07 K7PGOGY	M	031TF			06730025	00049			-305	B JS	
SUSAP KARWK7FR07	R	040	0	M	010CA		0673	+ 00380				B JS	
SUSAP KARWK7FR07	R	050EPOLEK7EA0EY		010DF				+ 02300				B JS	



CITY AND STATE <b>BEAUFORT, SC</b>	ELEVATION: 9	TDZE: 9	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 7, AMDT 1</b>	SUP:
	AIRPORT NAME: <b>BEAUFORT COUNTY</b>			29 JUL 2010	AMDT: <b>ORIG-A</b>
				DATED: <b>07/10/2003</b>	

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

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SUSAP KARWK7FR07 R 060EPOLEK7EA0EE R020HM 24750040 + 02300 B JS

RUNWAY 1 2 3 4 5 6 7 8 9 0 1 2 3  
 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KARWK7GRW07 0034340674 N32243537W080382113-0100 -0029000009000040075R

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

SUSAP KARWK7SRW07 K7PG 0 18018002425 M



CITY AND STATE BEAUFORT, SC	ELEVATION: 9 TDZE: 9 AIRPORT NAME: BEAUFORT COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG-A
				DATED: 07/10/2003

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

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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
TERLY (IAF)	EPOLE (NOPT) (FB)	157.49 / 6.52	2000	LPV: DA LNAV/VNAV: DA LNAV: RW25	
OTERE (IAF)	EPOLE (NOPT) (FB)	337.55 / 5.00	2000	CLIMB TO 2000 DIRECT EROMY AND HOLD.	
BASSO (IAF)	EPOLE (NOPT) (FB)	256.53 / 5.90	2000		
EPOLE (IF/IAF)	GORAM (FB)	247.52 / 6.10	2000	ADDITIONAL FLIGHT DATA: HOLD SW, RT, 067.29 INBOUND. CHART FAS OBST: 74 TREE 322448N/0803736W CHART FAS OBST: 114 TREE 322510N/0803614W CHART: ASR CHART TDZE: 8 CHART APT ELEV: 9 CHART BEAUFORT MOA 1, BEAUFORT MOA 2, W-74. DISTANCE TO THLD FROM 200 HAT: 0.50 NM. CHART VDP AT 1.10 MILES TO RW25* *LNAV ONLY. WAAS CHANNEL # 69418 REFERENCE PATH ID: W25A	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD E EPOLE, RT, 247.52 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
- FAC: 247.47 FAF: GORAM DIST FAF TO MAP: 6.03 THLD: 6.03
- MIN. ALT: EPOLE 2000, GORAM 2000, MADEY/2.50 NM TO RW25 840\*
- DIST TO THLD FROM OM: MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: GORAM 2000 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
- MSA FROM: RW25 2400

MAG VAR: 7W EPOCH YEAR: 2005

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @											
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	208	1	200	208	1	200	208	1	200							
LNAV/VNAV DA	334	1 1/4	326	334	1 1/4	326	334	1 1/4	326							
LNAV MDA	380	1	372	380	1	372	380	1	372							
CIRCLING	480	1	471	480	1	471	480	1 1/2	471							

NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.  
 \*LNAV ONLY  
 SEE 8260-10

CITY AND STATE <b>BEAUFORT, SC</b>	ELEVATION: 9 TDZE: 8 AIRPORT NAME: <b>BEAUFORT COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 25, AMDT 1 29 JUL 2010</b>	SUP: AMDT: <b>ORIG-A</b> DATED <b>07/10/2003</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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**NOTES CONT.**

**CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT OTERE.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BASSO ON V1 NORTHEAST BOUND.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BEAUFORT MCAS ALTIMETER SETTING AND INCREASE LPV DA TO 226, LNAV/VNAV DA TO 352, AND ALL MDA 20 FEET.**

**CHART NOTE: VDP AND BARO-VNAV NA WHEN USING BEAUFORT MCAS ALTIMETER SETTING.**

CITY AND STATE <b>BEAUFORT, SC</b>	ELEVATION: 9 TDZE: 8 AIRPORT NAME: <b>BEAUFORT COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 25, AMDT 1</b> <b>29 JUL 2010</b>	SUP:
				AMDT: <b>ORIG-A</b>
				DATED: <b>07/10/2003</b>

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

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KARW
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	322452.1540N
LTP/FTP LONGITUDE	0803746.2990W
LTP/FTP ELLIPSOIDAL HEIGHT	-00296
FPAP LATITUDE	322408.0500N
FPAP LONGITUDE	0803917.8100W
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	1704
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

**CRC REMAINDER** 51E0BFA0

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00022
FPAP ORTHOMETRIC HEIGHT	+00022

CITY AND STATE BEAUFORT, SC	ELEVATION: 9 TDZE: 8	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 1 29 JUL 2010	SUP:
	AIRPORT NAME: BEAUFORT COUNTY			AMDT: ORIG-A
				DATED: 07/10/2003



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

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	1	2	3	4	5	6	7	8	9	0	1	2	3	
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
	SUSAP KARWK7PR25 RW25 001 0000W25A0N3224521540W08037462990-002960300N3224080500W08039178100106751704000400F40035051E0BFA0													
	SUSAP KARWK7PR25 RW25 002E +00022+00022LPV 69418													

	1	2	3	4	5	6	7	8	9	0	1	2	3	
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
	SUSAP KARWK7SRW25 K7PG 0 18018002425 M													

QUALITY  
&  
CHECK

CITY AND STATE BEAUFORT, SC	ELEVATION: 9 TDZE: 8	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 1 29 JUL 2010	SUP:
	AIRPORT NAME: BEAUFORT COUNTY			AMDT: ORIG-A
				DATED: 07/10/2003

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: BES NDB	
FLO VORTAC	BES NDB	353.78 / 23.50	2000	CLIMB TO 2000 THEN LEFT TURN DIRECT BES NDB AND HOLD.  ADDITIONAL FLIGHT DATA: <b>HOLD W, RT, 072.20 INBOUND.</b> <b>CHART FAS OBST: 356 STK 343611N/0794632W</b> <b>VOKUC TO RW07: 3.00/40.</b> <b>FAC CROSSES RWY C/L EXTENDED 3001 FROM THLD.</b>	
CTF VOR/DME	BES NDB	096.71 / 26.88	2100		
FAY VOR/DME	BES NDB	246.95 / 47.71	2100		
LILLS INT	BES NDB	160.78 / 21.25	2000		

1. PT  L  SIDE OF COURSE  252.20  OUTBOUND  2000  FT WITHIN  10  MILES OF  BES NDB  (IAF)
2. \_\_\_\_\_
3. FAC  072.20  FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_
4. MIN. ALT  VOKUC INT 940
8. MSA FROM:  BES NDB 113-203 3200, 203-113 2100

MAG VAR: 8W                      EPOCH YEAR: 2005

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		X							
CATEGORY ==>	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-7	660	1	513	660	1	513	660	1 1/2	513	660	1 3/4	513				
CIRCLING	660	1	513	660	1	513	660	1 1/2	513	700	2	553				

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FLORENCE ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.

CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 25 NA AT NIGHT.



CITY AND STATE <b>BENNETTSVILLE, SC</b>	ELEVATION: 147    TDZE: 147 AIRPORT NAME:  <b>MARLBORO COUNTY JETPORT-H E AVENT FIELD</b>	FACILITY IDENTIFIER: <b>BES</b>	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: <b>NDB RWY 7, AMDT 5</b>  <b>29 JUL 2010</b>	SUP <b>NDB RWY 6</b>
				AMD'T <b>4</b>
				DATE <b>06/08/2006</b>

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
WILSI (IAF)	LONCI (NOPT) (FB)	155.34 / 5.00	2500	LPV: DA LNAV/VNAV: DA LNAV: RW07  CLIMB TO 2500 DIRECT LADKE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NE, RT, 245.62 INBOUND. CHART FAS OBST: 356 STK 343611N/0794632W CHART FAS OBST: 227 TREE 343653N/0794501W DISTANCE TO THLD FROM 290 HAT: 0.81 NM. CHART VDP AT 1.39 MILES TO RW07* *LNAV ONLY. WAAS CHANNEL # 77818 REFERENCE PATH ID: W07A
SAGPE (IAF)	LONCI (NOPT) (FB)	335.40 / 5.00	2500	
LONCI (IF/IAF)	DUGVE (FB)	065.37 / 6.99	1900	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD SW LONCI, RT, 065.37 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 065.44 FAF: DUGVE DIST FAF TO MAP: 5.33 THLD: 5.33
4. MIN. ALT: LONCI 2500, DUGVE 1900
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 1900 GS ALT AT: DUGVE OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 8W                      EPOCH YEAR: 2005

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N/A	STANDARD @						
CATEGORY ==>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	437	1	290	437	1	290	437	1	290	437	1	290				
LNAV/VNAV DA	507	1 1/4	360	507	1 1/4	360	507	1 1/4	360	507	1 1/4	360				
LNAV MDA	620	1	473	620	1	473	620	1 1/4	473	620	1 1/2	473				
CIRCLING	620	1	473	620	1	473	620	1 1/2	473	700	2	553				

NOTES:  
 CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 25 NA AT NIGHT.  
 CHART NOTE: BARO-VNAV NA WHEN USING FLORENCE ALTIMETER SETTING.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 SEE 8260-10

© NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 147    TDZE: 147	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 6
BENNETTSVILLE, SC	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 7, AMDT 1	AMDT: ORIG
	MARLBORO COUNTY JETPORT-H E AVENT FIELD		29 JUL 2010	DATED 03/17/2005

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

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**NOTES CONT.**

**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FLORENCE ALTIMETER SETTING AND INCREASE ALL DA 61 FEET AND MDA 80 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, AND LNAV CATS C AND CAT D VISIBILITY 1/4 MILE.**

**CHART NOTE: VDP NA WITH FLORENCE ALTIMETER SETTING.**

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	335/30 CW 155/30 (NOPT)	LONCI (IF/IAF) (FB)	2500
2.	155/30 CW 245/30	WILSI (IAF) (FB)	2500
3.	245/30 CW 335/30	245/15 CW 335/15 (FB)	3200
4.	245/15 CW 335/15	SAGPE (IAF) (FB)	2500

QUALITY  
3  
CHECKED

CITY AND STATE <b>BENNETTSVILLE, SC</b>	ELEVATION: 147 TDZE: 147 AIRPORT NAME: <b>MARLBORO COUNTY JETPORT-H E AVENT FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 7, AMDT 1 29 JUL 2010</b>	SUP: <b>RNAV (GPS) RWY 6</b>
				AMDT: <b>ORIG</b>
				DATED: <b>03/17/2005</b>

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

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBBP
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	343704.8475N
LTP/FTP LONGITUDE	0794428.9330W
LTP/FTP ELLIPSOIDAL HEIGHT	+00102
FPAP LATITUDE	343752.8100N
FPAP LONGITUDE	0794257.8800W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

**CRC REMAINDER** 0E42ED77

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00421
FPAP ORTHOMETRIC HEIGHT	+00421

QUALITY  
&  
CHECKED

CITY AND STATE BENNETTSTVILLE, SC	ELEVATION: 147 TDZE: 147	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 6
	AIRPORT NAME: MARLBORO COUNTY JETPORT-H E AVENT FIELD		RNAV (GPS) RWY 7, AMDT 1	AMDT: ORIG
			29 JUL 2010	DATED: 03/17/2005





<b>US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b>	<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>
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Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
DATNE (IAF)	LADKE (NOPT) (FB)	335.65 / 5.00	2500	LPV: DA LNAV/VNAV: DA LNAV: RW25  CLIMB TO 2500 DIRECT LONCI AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SW, RT, 065.37 INBOUND. CHART FAS OBST: 211 TREE 343742N/0794327W CHART FAS OBST: 236 TREE 343731N/0794319W FAS OBST: 414 AAO 343931N/0793918W DISTANCE TO THLD FROM 294 HAT: 0.76 NM. WAAS CHANNEL # 42818 REFERENCE PATH ID: W25A
HAMAT (IAF)	LADKE (NOPT) (FB)	155.59 / 5.00	2500	
LADKE (IF/IAF)	ASODY (FB)	245.62 / 7.14	1900	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD NE LADKE, RT, 245.62 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 245.55 FAF: ASODY DIST FAF TO MAP: 5.27 THLD: 5.27
4. MIN. ALT: LADKE 2500, ASODY 1900
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 1900 GS ALT AT: ASODY OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 8W                      EPOCH YEAR: 2005

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A	STANDARD @					
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	441	1	294	441	1	294	441	1	294	441	1	294				
LNAV/VNAV DA	621	1 3/4	474	621	1 3/4	474	621	1 3/4	474	621	1 3/4	474				
LNAV MDA	680	1	533	680	1	533	680	1 1/2	533	680	1 3/4	533				
CIRCLING	680	1	533	680	1	533	680	1 1/2	533	700	2	553				

NOTES:  
 CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 25 PROCEDURE NA AT NIGHT.  
 CHART NOTE: BARO-VNAV NA WHEN USING FLORENCE ALTIMETER SETTING.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 47C (116F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE	ELEVATION: 147    TDZE: 147	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY
BENNETTSVILLE, SC	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 25, AMDT 1	24
	MARLBORO COUNTY JETPORT-H E AVENT FIELD		29 JUL 2010	AMDT: ORIG
				DATED 03/17/2005

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

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

NOTES CONT.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FLORENCE ALTIMETER SETTING AND INCREASE ALL DA 61 FEET AND MDA 80 FEET. INCREASE LPV ALL CATS AND LNAV CAT C AND D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	156/30 CW 323/30 (NOPT)	LADKE (IF/IAF) (FB)	2500
	323/20 CW 336/20	LADKE (IF/IAF) (FB)	2500
2.	323/30 CW 336/30 (NOPT)	323/20 CW 336/20	3200
3.	336/30 CW 066/30	336/15 CW 066/15	3200
4.	336/15 CW 066/15	DATNE (IAF) (FB)	2500
5.	066/30 CW 156/30	HAMAT (IAF) (FB)	2500



CITY AND STATE BENNETTSVILLE, SC	ELEVATION: 147 TDZE: 147 AIRPORT NAME: MARLBORO COUNTY JETPORT-H E AVENT FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 1 29 JUL 2010	SUP: RNAV (GPS) RWY 24
				AMDT: ORIG
				DATED: 03/17/2005

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

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBBP
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	.
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	343731.4355N
LTP/FTP LONGITUDE	0794338.4505W
LTP/FTP ELLIPSOIDAL HEIGHT	+00129
FPAP LATITUDE	343643.4800N
FPAP LONGITUDE	0794509.4900W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 E6E7C635

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00447
FPAP ORTHOMETRIC HEIGHT	+00447

QUALITY  
4  
CHECKED

CITY AND STATE BENNETTSVILLE, SC	ELEVATION: 147 TDZE: 147	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 1 29 JUL 2010	SUP: RNAV (GPS) RWY 24
	AIRPORT NAME: MARLBORO COUNTY JETPORT-H E AVENT FIELD			AMDT: ORIG
				DATED: 03/17/2005



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

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1 2 3 4 5 6 7 8 9 0 1 2 3  
PP 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012  
-----  
SUSAP KBBPK7PR25 RW25 002E +00447+00447LPV 42818 I

13 JUL 2010  
4  
CHECKED

CITY AND STATE <b>BENNETTSVILLE, SC</b>	ELEVATION: 147 TDZE: 147 AIRPORT NAME: <b>MARLBORO COUNTY JETPORT-H E AVENT FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 25, AMDT 1 29 JUL 2010</b>	SUP: <b>RNAV (GPS) RWY 25</b>	
				AMDT:	<b>ORIG</b>
				DATED:	<b>03/17/2005</b>

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**  
**RWY 7, 25, STANDARD.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 7, POLE 97' FROM DER, 379' RIGHT OF CENTERLINE, 35' AGL/181' MSL. TREES BEGINNING 1415' FROM DER, 412' LEFT OF CENTERLINE, UP TO 86' AGL/232' MSL. TREES BEGINNING 2495' FROM DER, 256' RIGHT OF CENTERLINE, UP TO 89' AGL/235' MSL.**  
**NOTE: RWY 25, TREE 77' FROM DER, 148' RIGHT OF CENTERLINE, 18' AGL/156' MSL. TREES BEGINNING 2681' FROM DER, 382' RIGHT OF CENTERLINE, UP TO 89' AGL/227' MSL.**

**(4) CONTROLLING OBSTACLES:**



(5) City, State

**BENNETTSVILLE, SC**

(6) Airport

**MARLBORO COUNTY JETPORT-H E AVENT FIELD**

(7) Effective Date

**29 JUL 2010**

(8) Amdt. No.

**1**

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

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

**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FLO VORTAC (IAF)	HAPLU/FLO 10.00 DME	353.68 / 10.00	2000
HAPLU/FLO 10.00 DME (IF)	PUMMA/FLO 19.00 DME	353.68 / 9.00 (FLO R-354)	1700

**MAP: JENOB/FLO 23.44 DME**

**CLIMB TO 900 THEN CLIMBING LEFT TURN TO 2000 VIA FLO VORTAC R-354 TO PUMMA/FLO 19.00 DME AND HOLD.**

**ADDITIONAL FLIGHT DATA:**  
**HOLD S, RT, 353.68 INBOUND.**  
**CHART FAS OBST: 405 TOWER 343532N/0794117W**  
**FAC CROSSES MID POINT OF RWY 7-25.**

1. PT NA SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
2. PROFILE STARTS AT HAPLU
3. FAC 353.68 FAF PUMMA/FLO 19.00 DME DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_
4. MIN. ALT HAPLU 2000, PUMMA 1700
8. MSA FROM: FLO VORTAC 045-135 3200, 135-045 2000

MAG VAR: 3W EPOCH YEAR: 1965

**MINIMUMS**

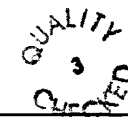
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	660	1	513	660	1 1/4	513	660	1 1/2	513	700	2	553			

**NOTES:**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FLORENCE ALTIMETER SETTING AND INCREASE @ NA WHEN LOCAL WEATHER NOT AVAILABLE.**  
**ALL MDA 80 FEET.**

**CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 25 NA AT NIGHT.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FLO VORTAC ON T200 SOUTHEAST BOUND, AND ON FLO VORTAC AIRWAY RADIALS 312 CW 043.**



CITY AND STATE BENNETTSVILLE, SC	ELEVATION: 147 TDZE:	FACILITY IDENTIFIER: FLO	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: VOR/DME-A, AMDT 5 29 JUL 2010	SUP
	AIRPORT NAME: MARLBORO COUNTY JETPORT-H E AVENT FIELD			AMD T 4
				DATE 06/08/2006

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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**(1) TAKEOFF MINIMUMS:**

**RWY 4, 22, NA - OBSTACLES**

**RWY 1, STANDARD.**

**RWY 19, STANDARD WITH A MINIMUM CLIMB OF 285 FEET PER NM TO 1,500, OR 1,100 - 2 1/2 FOR CLIMB IN VISUAL CONDITIONS.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 19 - FOR CLIMB IN VISUAL CONDITIONS CROSS LEBANON MUNI AIRPORT AT OR ABOVE 1,500 MSL BEFORE PROCEEDING ON COURSE.**

**(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 1, TREES BEGINNING 432' FROM DER, 313' RIGHT OF CENTERLINE, UP TO 63' AGL/662' MSL. ROAD 348' FROM DER, 166' RIGHT OF CENTERLINE, 15' AGL/568' MSL. POWER POLE 1,174' FROM DER, 445' RIGHT OF CENTERLINE, 38' AGL/597' MSL. TREE 2,136' FROM DER, 8' LEFT OF CENTERLINE, 63' AGL/612' MSL. NOTE: RWY 19, TREES BEGINNING 1,339' FROM DER, 342' RIGHT OF CENTERLINE, UP TO 74' AGL/844' MSL. ROAD 334' FROM DER, 206' RIGHT OF CENTERLINE, 15' AGL/607' MSL. TREES BEGINNING 2,085' FROM DER, 511' LEFT OF CENTERLINE, UP TO 68' AGL/749' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 19 (VCOA): 1,084 MSL POWER POLE 360844.64N/0861942.81W, 1,373 MSL AAO 360700.00N/0861814.18W.**

QUALITY  
1  
CHECKED

(5) City, State <b>LEBANON, TN</b>	(6) Airport <b>LEBANON MUNI</b>	(7) Effective Date 29 JUL 2010	(8) Amdt. No. 1
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US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
YEBUK (IAF)	JAVIG (FB)	229.74 / 5.00	1700	LNAV: RW14  CLIMB TO 2000 DIRECT TO POMDE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 319.80 INBOUND. CHART FAS OBST: 244 TOWER 294853N/0945816W WADOB TO RW14: 3.04/40.
VINXE (IAF)	JAVIG (FB)	049.66 / 5.00	1700	
JAVIG (IF)	WADOB (FB)	139.70 / 5.00	1400	

- PT NA SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- PROFILE STARTS AT JAVIG
- FAC: 139.73 FAF: WADOB DIST FAF TO MAP: 4.12 THLD: 4.12
- MIN. ALT: JAVIG 1700, WADOB 1400
- 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: RW14 3100

MAG VAR: 3E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF:	<input type="checkbox"/>	STANDARD	<input checked="" type="checkbox"/>	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	
LNAV MDA	500	1	468	500	1	468		NA			NA					
CIRCLING	500	1	466	500	1	466		NA			NA					

NOTES:  
CHART NOTE: CIRCLING NA AT NIGHT.  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
CHART PLANVIEW NOTE: RADAR REQUIRED  
SEE 8260-10

CITY AND STATE <b>BAYTOWN, TX</b>	ELEVATION: 34 TDZE: 32 AIRPORT NAME: <b>BAYTOWN</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMD NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 14, ORIG 29 JUL 2010</b>	SUP: AMD: <b>NONE</b> DATED
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV (GPS) - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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**NOTES CONT.**

**CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.**

**CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE WILLIAM P HOBBY ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.**

CITY AND STATE <b>BAYTOWN, TX</b>	ELEVATION: 34 TDZE: 32 AIRPORT NAME: <b>BAYTOWN</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 14, ORIG</b> <b>29 JUL 2010 -</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:



<b>US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b>	<b>RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33</b>
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Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
YABUP (IAF)	POMDE (FB)	229.84 / 5.00	1700	<b>LNAV: RW32</b>  <b>CLIMBING RIGHT TURN TO 2000 DIRECT TO POMDE AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD SE, RT, 319.80 INBOUND.</b> <b>CHART FAS OBST: 184 TOWER 294618N/0945707W</b> <b>CHART 274 TOWER 294458N/0945540W.</b> <b>CHART 250 TOWER 294502N/0945636W</b> <b>CHART AT OR ABOVE 640 AT OCWOY.</b> <b>OCWOY TO RW32: 3.37/40.</b>
QIKJI (IAF)	POMDE (FB)	049.76 / 5.00	1700	
POMDE (IF)	IGBEC (FB)	319.80 / 5.00	1400	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN        MILES OF        (IAF)
2. PROFILE STARTS AT POMDE
3. FAC: 319.77 FAF: IGBEC DIST FAF TO MAP: 4.14 THLD: 4.14
4. MIN. ALT: **POMDE 1700, IGBEC 1400, OCWOY/1.60 NM TO RW32 640**
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
7. GS ANGLE:        TCH: 34:1 IS NOT CLEAR
8. MSA FROM: **RW32 3100**

MAG VAR: 3E                      EPOCH YEAR: 2010

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N	A	X										
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	440	1	412	440	1	412			NA				NA			
CIRCLING	500	1	466	500	1	466			NA				NA			

NOTES:  
 CHART NOTE: CIRCLING NA AT NIGHT.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PLANVIEW NOTE: RADAR REQUIRED.  
 SEE 8260-10

CITY AND STATE <b>BAYTOWN, TX</b>	ELEVATION: 34 TDZE: 28 AIRPORT NAME: <b>BAYTOWN</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 32, ORIG 29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV (GPS) - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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**NOTES CONT.**

**CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT.**

**CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE WILLIAM P HOBBY ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.**

CITY AND STATE BAYTOWN, TX	ELEVATION: 34 TDZE: 28 AIRPORT NAME: BAYTOWN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:



## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

**RWY 32, STANDARD**

**RWY 14, 300 - 1 OR STANDARD WITH MINIMUM CLIMB OF 420' PER NM TO 300**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 14, MULTIPLE TREES, POWER POLES, AND HOUSES BEGINNING AT DER, LEFT AND RIGHT OF CENTERLINE, UP TO 60' AGL/89' MSL. VEHICLE 187' FROM DER, 47' RIGHT OF CENTERLINE, 15' AGL/44' MSL. TOWER 4066' FROM DER, 1217' RIGHT OF CENTERLINE, 156' AGL/180' MSL.**  
**NOTE: RWY 32, VEHICLE 53' FROM DER, 23' RIGHT OF CENTERLINE, 15' AGL/49' MSL. BUILDINGS BEGINNING 104' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30' AGL/59' MSL. TREES BEGINNING 116' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 60' AGL/94' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 14, 180' MSL TOWER 294613.50N-0945637.80W**

(5) City, State

**BAYTOWN, TX**

(6) Airport

**BAYTOWN**

(7) Effective Date

**29 JUL 2010**

(8) Amdt. No.

**ORIG.**

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

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

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

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

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

NOTES:  
  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010

CITY AND STATE CENTER, TX	ELEVATION: 319 TDZE: 319 AIRPORT NAME: CENTER MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 17, AMDT 1A, 09/16/2002	SUP AMDT DATE	GPS RWY 17 1 12/30/1999
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**GPS STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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

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

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

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

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

NOTES:  
  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010

CITY AND STATE CENTER, TX	ELEVATION: 319 TDZE: 308 AIRPORT NAME:  CENTER MUNI	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 35, ORIG-A, 09/16/2002	SUP	GPS RWY 35
				AMDT	ORIG
				DATE	12/30/1999

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CARTH (IAF)	DEBKY (NOPT) (FB)	183.53 / 6.39	3000	LNAV: RW17  CLIMBING LEFT TURN TO 3000 DIRECT DEBKY AND HOLD.
DEBKY (IF/IAF)	SIYGO (FB)	166.51 / 6.01	2000	
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 429 TREE 315029N/0940854W 559 AAO 315529N/0941138W. SIYGO TO RW17: 3.04/45. CHART NACOGDOCHES AWOS-3.

- PT \_\_\_\_\_ SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- HOLD N DEBKY, RT, 166.51 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 166.52 FAF: SIYGO DIST FAF TO MAP: 5.07 THLD: 5.07
- MIN. ALT: DEBKY 3000, SIYGO 2000, SODVE/1.70 NM TO RW17 900
- DIST TO THLD FROM OM: \_\_\_\_\_ MM: \_\_\_\_\_ IM: \_\_\_\_\_ 150 HAT: \_\_\_\_\_ 100 HAT: \_\_\_\_\_ GS ANT: \_\_\_\_\_
- MIN GS INCPT: \_\_\_\_\_ GS ALT AT: \_\_\_\_\_ OM: \_\_\_\_\_ MM: \_\_\_\_\_ IM: \_\_\_\_\_
- GS ANGLE: \_\_\_\_\_ TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW17 2200

MAG VAR: 4E EPOCH YEAR: 1995

**MINIMUMS**

TAKEOFF:	STANDARD	<input checked="" type="checkbox"/>	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
LNAV MDA	760	1	441	760	1	441	760	1 1/4	441						
CIRCLING	820	1	501	820	1	501	820	1 1/2	501		NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CARTH VIA V13 NORTHBOUND.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.  
 SEE 8260-10



CITY AND STATE  CENTER, TX	ELEVATION: 319 TDZE: 319	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME:  CENTER MUNI			AMDT: NONE
				DATED

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

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

**NOTES CONT.**

**CHART NOTE: USE NACOGDOCHES ALTIMETER SETTING; WHEN NOT RECEIVED, USE HENDERSON ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.**

CITY AND STATE CENTER, TX	ELEVATION: 319 TDZE: 319	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME: CENTER MUNI			AMDT: NONE
				DATED:



TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW35
LFK VORTAC	HUPHA (FB)	038.70 / 37.89	3000	CLIMB TO 3800 DIRECT WENDE AND ON TRACK 353.15 TO CARTH AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 293.53 INBOUND. CHART FAS OBST: 734 TOWER 314718N/0941022W AZGUF TO RW35: 3.04/45. CHART NACOGDOCHES AWOS-3.
COVEX	TECRO (FB)	220.29 / 20.83	3000	
HUPHA (IAF)	FIJEC (FB)	076.50 / 5.00	3000	
TECRO (IAF)	FIJEC (FB)	256.60 / 5.00	3000	
FIJEC (IF)	AZGUF (FB)	346.55 / 6.01	2000	

1. PT NA SIDE OF COURSE          OUTBOUND          FT WITHIN          MILES OF          (IAF)
2. PROFILE STARTS AT FIJEC
3. FAC: 346.54 FAF: AZGUF DIST FAF TO MAP: 5.15 THLD: 5.15
4. MIN. ALT: FIJEC 3000, AZGUF 2000
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: RW35 2200

MAG VAR: 4E                      EPOCH YEAR: 1995

**MINIMUMS**

TAKEOFF: <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> 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
LNAV MDA	960	1	652	960	1	652	960	1 3/4	652		NA				
CIRCLING	960	1	641	960	1	641	960	1 3/4	641		NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.  
 CHART NOTE: USE NACOGDOCHES ALTIMETER SETTING; WHEN NOT RECEIVED, USE HENDERSON ALTIMETER SETTING  
 SEE 8260-10

CITY AND STATE <p style="text-align: center;">CENTER, TX</p>	ELEVATION: 319    TDZE: 308 AIRPORT NAME: <p style="text-align: center;">CENTER MUNI</p>	FACILITY IDENTIFIER: <p style="text-align: center;">RNAV</p>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <p style="text-align: center;">RNAV (GPS) RWY 35, ORIG 29 JUL 2010</p>	SUP: AMDT: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.  
AND INCREASE ALL MDA 40 FEET, AND INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON LFK VORTAC AIRWAY RADIALS 354 CW 082.

CITY AND STATE CENTER, TX	ELEVATION: 319 TDZE: 308	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME: CENTER MUNI			AMDT: NONE
	DATED:			

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

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**ARINC PACKET - 424-18 - RNAV (GPS)**

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	LFK	K4011210VTHA	N31094448W094430104	N31094448W094430104	E0050002002	NARLUFKIN							

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	AZGUF	K40	W	N31442136W094081824					NAR	AZGUF			
SUSAEENRT	CARTH	K40	C	L N32073866W094103795					NAR	CARTH			
SUSAEENRT	COVEX	K40	C	L N31541190W093441948					NAR	COVEX			
SUSAEENRT	FIJEC	K40	W	N31382498W094070883					NAR	FIJEC			
SUSAEENRT	HUPHA	K40	W	N31373549W094125543					NAR	HUPHA			
SUSAEENRT	TECRO	K40	W	N31391421W094012213					NAR	TECRO			
SUSAEENRT	WENDE	K40	W	N31512551W094094104					NAR	WENDE			

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP F17	K4AF17	0	055YHN31495370W094092301E004000319	1800018000C	MNAR	CENTER MUNI							

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3		
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012														
SUSAP F17	K4FR35	ACOVEX	010COVEXK4EA0E	IF					18000	B	JS				
SUSAP F17	K4FR35	ACOVEX	020TECROK4EA0E	A 020TF	22030208	+ 03000					B	JS			
SUSAP F17	K4FR35	ACOVEX	030FIJECK4EA0EE	B 010TF	25660050	+ 03000					B	JS			
SUSAP F17	K4FR35	ALFK	010LFK K4D 0V	IF					18000	B	JS				
SUSAP F17	K4FR35	ALFK	020HUPHAK4EA0E	A 020TF	03870379	+ 03000					B	JS			
SUSAP F17	K4FR35	ALFK	030FIJECK4EA0EE	B 010TF	07650050	+ 03000					B	JS			
SUSAP F17	K4FR35	R	010FIJECK4EA0E	I IF					18000		B	JS			
SUSAP F17	K4FR35	R	020AZGUFK4EA1E	F 051TF	34660060	+ 02000				RW35	K4PGB	JS			
SUSAP F17	K4FR35	R	020AZGUFK4EA2WN	N			ALNAV					JS			
SUSAP F17	K4FR35	R	030RW35 K4PGOGY	M 031TF	34650052	00336				-304		B	JS		
SUSAP F17	K4FR35	R	040	0 M 010CA	3465	+ 00719						B	JS		
SUSAP F17	K4FR35	R	050WENDEK4EA0E	010DF								B	JS		
SUSAP F17	K4FR35	R	060CARTHK4EA0EY	010TF	3532	+ 03800						B	JS		
SUSAP F17	K4FR35	R	070CARTHK4EA0EE	R020HM	29350040	+ 03800						B	JS		



CITY AND STATE <b>CENTER, TX</b>	ELEVATION: 319 TDZE: 308	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 35, ORIG</b>  <b>29 JUL 2010</b>	SUP:
	AIRPORT NAME: <b>CENTER MUNI</b>			AMD'T: <b>NONE</b>
	DATED:			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

SUSAP F17 K4GRW35 0055013465 N31492689W094091788+0500 +0062400291000045075R

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

SUSAP F17 K4SRW35 K4PG 0 18018002225 M



CITY AND STATE

CENTER, TX

ELEVATION: 319 TDZE: 308  
AIRPORT NAME:

CENTER MUNI

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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### (1) TAKEOFF MINIMUMS:

RWY 17, 35 STANDARD.

### (2) TEXTUAL DEPARTURE PROCEDURE:

RWY 17 - CLIMB HEADING 166.53 TO 1000 BEFORE TURNING RIGHT.

### (3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, NUMEROUS TREES BEGINNING 326' FROM DER, 432' RIGHT AND LEFT OF CENTERLINE, UP TO 100' AGL/414' MSL. VEHICLE ON ROAD 234' FROM DER, 530' LEFT OF CENTERLINE, UP TO 15' AGL/ 314' MSL.

NOTE: RWY 35, NUMEROUS TREES BEGINNING 1,724' FROM DER, 388' LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/459' MSL. VEHICLE ON ROAD 1,091' FROM DER, 742' RIGHT OF CENTERLINE, UP TO 15' AGL/354' MSL.

### (4) CONTROLLING OBSTACLES:

RWY 17: 734' MSL TOWER 314718.00N/0941022.00W.



(5) City, State <b>CENTER, TX</b>	(6) Airport <b>CENTER MUNI</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>ORIG</b>
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## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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**(1) TAKEOFF MINIMUMS:**

**RWY 04, 18, 22, 36 STANDARD.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 04, TREES BEGINNING FROM 997' FROM DER, 4' RIGHT OF CENTERLINE, UP TO 100' AGL/2,049 FT MSL. TREE 1,151' FROM DER, 93' LEFT OF CENTERLINE, 100' AGL/2,049 FT MSL.  
NOTE: RWY 18, POST 64' FROM DER, 49' RIGHT OF CENTERLINE, 5' AGL/1,958' MSL. TREES BEGINNING FROM 1,286' FROM DER, 630' RIGHT OF CENTERLINE, UP TO 100' AGL/2,008' MSL.  
NOTE: RWY 22, TREE 4,873' FROM DER, 231' LEFT OF CENTERLINE, 100' AGL/2,069' MSL. TREE 5,638' FROM DER, 1,746' RIGHT OF CENTERLINE, 100' AGL/2,089' MSL.  
(CONT'D)**

**(4) CONTROLLING OBSTACLES:**



(5) City, State <b>CHILDRESS, TX</b>	(6) Airport <b>CHILDRESS MUNIICIPAL</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>1</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A  
FLIGHT STANDARDS SERVICE**

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**(3) TAKEOFF OBSTACLE NOTES (CONT'D):**

**NOTE: RWY 36, TREE 196' FROM DER, 442' RIGHT OF CENTERLINE, 100' AGL/2,049' MSL. TREE 578' FROM DER, 387' LEFT OF CENTERLINE, 100' AGL/2,049' MSL.**

QUALITY  
4  
CHECKED

City, State <b>CHILDRESS, TX</b>		Airport <b>CHILDRESS MUNI</b>			Effective Date <b>29 JUL 2010</b>	Amdt. No. <b>1</b>
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date	

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
SOLON (IAF)	HADON (FB)	328.41 / 8.24	2000	LPV: DA LNAV/VNAV: DA LNAV: RW35  CLIMB TO 2000 DIRECT FEKEL AND ON TRACK 302.42 TO ATHIS AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD W, RT, 107.00 INBOUND. CHART FAS OBST: 181 ANT 274539N/0973011W DISTANCE TO THLD FROM 200 HAT: 0.45 NM. WAAS CHANNEL # 69617 REFERENCE PATH ID: W35A CHART: CABANISS FIELD NOLF CHART: CUDDIHY FIELD (PRIVATE)
HADON (IF)	WAMBI (FB)	352.11 / 6.19	2000	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT HADON
- FAC: 352.11 FAF: WAMBI DIST FAF TO MAP: 5.88 THLD: 5.88
- MIN. ALT: HADON 2000, WAMBI 2000, COKNU/1.30 NM TO RW35 500\*
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: WAMBI 2000 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 57.1 34:1 IS CLEAR
- MSA FROM: RW35 2100

MAG VAR: 7E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @											
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	240	2400	200	240	2400	200	240	2400	200	240	2400	200	240	2400	200	
LNAV/VNAV DA	558	6000	518	558	6000	518	558	6000	518	558	6000	518	558	6000	518	
LNAV MDA	440	2400	400	440	2400	400	440	2400	400	440	5000	400	440	5000	400	
CIRCLING	500	1	456	520	1	476	580	1 1/2	536	740	2 1/4	696	860	3	816	

NOTES:  
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO RVR 4000. LNAV/VNAV CAT E VISIBILITY TO 1 3/4, LNAV CAT D VISIBILITY TO RVR 6000, AND CAT E VISIBILITY TO 1 1/2 MILES.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 SEE 8260-10

@ CAT D 800-2 1/4, CAT E 900-3

QUALITY  
4  
CHECKED

CITY AND STATE <b>CORPUS CHRISTI, TX</b>	ELEVATION: 44 TDZE: 40 AIRPORT NAME: <b>CORPUS CHRISTI INTL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 35, AMDT 1 29 JUL 2010</b>	SUP: AMDT: <b>ORIG</b> DATED <b>07/10/2003</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

NOTES CONT.

\*LNAV ONLY

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SOLON ON V13-20-163 SOUTHBOUND.

QUALITY  
2  
CHECKED

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 40 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 07/10/2003

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

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

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCRP
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	274546.5400N
LTP/FTP LONGITUDE	0972945.7100W
LTP/FTP ELLIPSOIDAL HEIGHT	-00145
FPAP LATITUDE	274647.7300N
FPAP LONGITUDE	0972946.7800W
THRESHOLD CROSSING HEIGHT (TCH)	00057.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0032
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

**CRC REMAINDER** 9ADF7AD5

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00120
FPAP ORTHOMETRIC HEIGHT	+00120

QUALITY  
2  
CHECKED

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 40	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 29 JUL 2010	SUP:
	AIRPORT NAME: CORPUS CHRISTI INTL			AMDT: ORIG
				DATED: 07/10/2003



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

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SUSAP KCRPK4PR35 RW35 002E +00120+00120LPV 69617

MSA 1 2 3 4 5 6 7 8 9 0 1 2 3  
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KCRPK4SRW35 K4PG 0 18018002125 M



CITY AND STATE  
CORPUS CHRISTI, TX

ELEVATION: 44 TDZE: 40  
AIRPORT NAME:  
CORPUS CHRISTI INTL

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
RNAV (GPS) RWY 35, AMDT 1  
29 JUL 2010

SUP:  
AMDT: ORIG  
DATED: 07/10/2003

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

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

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

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

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

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

NOTES:  
  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE GIDDINGS, TX	ELEVATION: 485 TDZE: 485 AIRPORT NAME: GIDDINGS-LEE COUNTY	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 17, ORIG, 02/24/2000	SUP AMDT NONE DATE
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**GPS STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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

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

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

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

NOTES:  
  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE GIDDINGS, TX	ELEVATION: 485 TDZE: 473 AIRPORT NAME: GIDDINGS-LEE COUNTY	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: GPS RWY 35, ORIG, 02/24/2000	SUP AMD'T NONE DATE
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Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
IDU VORTAC	JAYJO (FB)	324.10 / 26.33	2500	<b>LNAV: RW17</b>  <b>CLIMB TO 2500 DIRECT RAMOS AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD S, RT, 348.28 INBOUND.</b> <b>FAS OBST: 679 AAO 301348N/0965816W</b> <b>CHART 696 TOWER 301458N/0965947W</b> <b>HARQE TO RW17: 3.04/40.</b>
JAYJO	JOMBU (FB)	282.91 / 4.98	2300	
JOMBU (IAF)	PPENS (NOPT) (FB)	258.31 / 5.00	2300	
ILEXV (IAF)	PPENS (NOPT) (FB)	081.45 / 4.04	2300	
PPENS (IF/IAF)	HARQE (FB)	168.26 / 6.01	2100	

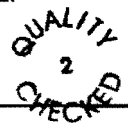
1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. HOLD N PPENS, RT, 168.26 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
3. FAC: 168.27 FAF: HARQE DIST FAF TO MAP: 4.88 THLD: 4.88
4. MIN. ALT: PPENS 2300, HARQE 2100
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT:        GS ALT AT:        OM:        MM:        IM:
7. GS ANGLE:        TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW17 2600

MAG VAR: 6E                      EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A	STANDARD @							
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	940	1	455	940	1	455	940	1 1/4	455			NA			
CIRCLING	940	1	455	940	1	455	940	1 1/2	455			NA			

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.  
 CHART NOTE: PROCEDURE NA AT NIGHT.  
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>GIDDINGS, TX</b>	ELEVATION: 485 TDZE: 485 AIRPORT NAME: <b>GIDDINGS-LEE COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 17, ORIG</b>  <b>29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AUSTIN-BERGSTROM INTL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET; INCREASE LNAV CAT C VISIBILITY 1/4 MILE.

QUALITY  
2  
CHECKED

CITY AND STATE GIDDINGS, TX	ELEVATION: 485 TDZE: 485 AIRPORT NAME: GIDDINGS-LEE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:





US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CRAYS	POYLU (FB)	074.63 / 20.04	2600	LNAV: RW35
JAYJO	IWOKU (FB)	180.82 / 20.98	2500	
IDU VORTAC	IWOKU (FB)	271.26 / 15.79	2500	CLIMB TO 2500 DIRECT PPENS AND HOLD.
POYLU (IAF)	RAMOS (NOPT) (FB)	078.23 / 5.00	2500	
IWOKU (IAF)	RAMOS (NOPT) (FB)	258.33 / 5.00	2500	
RAMOS (IF/IAF)	IYAHE (FB)	348.28 / 6.00	2100	ADDITIONAL FLIGHT DATA: HOLD N, RT, 168.26 INBOUND. FAS OBST: 709 AAO 300602N/0965804W IYAHE TO RW35: 3.04/43.

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD S RAMOS, RT, 348.28 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
- FAC: 348.28 FAF: IYAHE DIST FAF TO MAP: 5.01 THLD: 5.01
- MIN. ALT: RAMOS 2500, IYAHE 2100
- 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: RW35 2600

MAG VAR: 6E EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	960	1	487	960	1	487	960	1 1/4	487		NA				
CIRCLING	960	1	475	960	1	475	960	1 1/2	475		NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: PROCEDURE NA AT NIGHT.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AUSTIN-BERGSTROM INTL ALTIMETER SETTING  
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>GIDDINGS, TX</b>	ELEVATION: 485 TDZE: 473 AIRPORT NAME: <b>GIDDINGS-LEE COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 35, ORIG 29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV (GPS) - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

AND INCREASE ALL MDA 100 FEET; INCREASE LNAV CAT C VISIBILITY 1/4 MILE.



CITY AND STATE GIDDINGS, TX	ELEVATION: 485 TDZE: 473 AIRPORT NAME: GIDDINGS-LEE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:





# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**  
**RWY 17, 35 STANDARD.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 17, NUMEROUS TREES BEGINNING 720' FROM DER, 58' RIGHT OF CENTERLINE, UP TO 50' AGL/479' MSL. NUMEROUS TREES BEGINNING 754' FROM DER, 340' LEFT OF CENTERLINE, UP TO 50' AGL/479' MSL.**

**NOTE: RWY 35, NUMEROUS TREES BEGINNING 613' FROM DER, 272' RIGHT OF CENTERLINE, UP TO 50' AGL/539' MSL. NUMEROUS TREES BEGINNING 558' FROM DER, 265' LEFT OF CENTERLINE, UP TO 50' AGL/559' MSL. VEHICLE ON ROAD 516' FROM DER, 246' LEFT OF CENTERLINE, 15' AGL/514' MSL.**

**(4) CONTROLLING OBSTACLES:**

QUALITY  
2  
CHECKED

(5) City, State

**GIDDINGS, TX**

(6) Airport

**GIDDINGS-LEE COUNTY**

(7) Effective Date

**29 JUL 2010**

(8) Amdt. No.

**ORIG**

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

ADDITIONAL FLIGHT DATA:

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

MAG VAR:    EPOCH YEAR:   

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

NOTES:  
  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010

CITY AND STATE <b>HEBBRONVILLE, TX</b>	ELEVATION: 663 TDZE: 661	FACILITY IDENTIFIER: <b>GPS</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>GPS RWY 13, AMDT 1A, 06/15/2000</b>	SUP
	AIRPORT NAME: <b>JIM HOGG COUNTY</b>			AMDT <b>1</b>
				DATE <b>06/15/2000</b>

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
LRD VORTAC	HBV NDB	092.58 / 36.73	3000	MAP: HBV NDB  CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 2500 DIRECT HBV NDB AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NW, RT, 139.00 INBOUND. FAS OBST: 1029 AAO 272747N/0985234W CHART A-632A. FAC CROSSES RWY C/L EXTENDED 2878 FROM THLD.

1. PT  L  SIDE OF COURSE  319.00  OUTBOUND  2500  FT WITHIN  10  MILES OF  HBV NDB  (IAF)
2. \_\_\_\_\_
3. FAC  139.00  FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_
4. MIN. ALT \_\_\_\_\_
8. MSA FROM: HBV NDB 2400

MAG VAR: 6E                      EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	<input checked="" type="checkbox"/>	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		<input checked="" type="checkbox"/>	D			E		
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-13	1380	1	719	1380	1	719	1380	2	719		NA				
CIRCLING	1380	1	717	1380	1	717	1380	2	717		NA				

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAREDO ALTIMETER SETTING AND INCREASE ALL MDA 120 FT; INCREASE ALL CAT B VISIBILITY 1/4 MILE AND ALL CAT C VISIBILITY 1/2 MILE.

CITY AND STATE HEBBRONVILLE, TX	ELEVATION: 663    TDZE: 661 AIRPORT NAME:  JIM HOGG COUNTY	FACILITY IDENTIFIER: HBV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 13, AMDT 4 29 JUL 2010	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>SUP</td><td></td></tr> <tr><td>AMDT</td><td style="text-align: center;">3</td></tr> <tr><td>DATE</td><td style="text-align: center;">09/09/1999</td></tr> </table>	SUP		AMDT	3	DATE	09/09/1999
SUP										
AMDT	3									
DATE	09/09/1999									

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
NELEE	AZYUC (FO)	027.02 / 23.20	3000	LPV: DA LNAV/VNAV: DA LNAV: RW13  CLIMB TO 3000 DIRECT KATHY AND RIGHT TURN ON TRACK 248.01 TO NELEE AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, LT, 314.75 INBOUND. CHART FAS OBST: 704 POLE 272114N/0984450W CHART FAS OBST: 764 TREE 272207N/0984647W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.01 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 45918 REFERENCE PATH ID: W13A
LRD VORTAC (IAF)	AZYUC (NOPT) (FB)	084.63 / 28.78	3000	
AZYUC (IF/IAF)	IPAXY (FB)	128.17 / 6.09	2000	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD NW AZYUC, RT, 128.17 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 128.20 FAF: IPAXY DIST FAF TO MAP: 4.04 THLD: 4.04
- MIN. ALT: AZYUC 3000, IPAXY 2000, UDUMY/2.10 NM TO RW13 1360\*
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: IPAXY 2000 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 38.7 34:1 IS NOT CLEAR
- MSA FROM: RW13 2400

MAG VAR: 6E EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @										
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	911	1	250	911	1	250	911	1	250				NA		
LNAV/VNAV DA	974	1	313	974	1	313	974	1	313				NA		
LNAV MDA	1020	1	359	1020	1	359	1020	1	359				NA		
CIRCLING	1020	1	357	1120	1	457	1120	1 1/2	457				NA		

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING LAREDO ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 SEE 8260-10

CITY AND STATE <b>HEBBRONVILLE, TX</b>	ELEVATION: 663 TDZE: 661 AIRPORT NAME: <b>JIM HOGG COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 13, ORIG</b> <b>29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

NOTES CONT.

\*LNAV ONLY

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

CHART NOTE: VDP NA WITH LAREDO ALTIMETER SETTING.

CITY AND STATE HEBBRONVILLE, TX	ELEVATION: 663 TDZE: 661 AIRPORT NAME: JIM HOGG COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHBV
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	272115.6940N
LTP/FTP LONGITUDE	0984432.9165W
LTP/FTP ELLIPSOIDAL HEIGHT	+01761
FPAP LATITUDE	272013.3600N
FPAP LONGITUDE	0984321.2300W
THRESHOLD CROSSING HEIGHT (TCH)	00038.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 1C5AF566

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02014
FPAP ORTHOMETRIC HEIGHT	+02014

CITY AND STATE HEBRONVILLE, TX	ELEVATION: 663 TDZE: 661	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME: JIM HOGG COUNTY			AMDT: NONE
				DATED:





## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

**RWY 13, 31 STANDARD.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 13, TREES BEGINNING 7' FROM DER, 59' LEFT OF CENTERLINE, UP TO 25' AGL/694' MSL.**

**NOTE: RWY 31, TREES BEGINNING 112' FROM DER, 274' RIGHT OF CENTERLINE TO 438' LEFT OF CENTERLINE, UP TO 12' AGL/681' MSL. POLE 801' FROM DER, 374' RIGHT OF CENTERLINE, UP TO 26' AGL/685' MSL. NDB 275' FROM DER, 495 LEFT OF CENTERLINE, UP TO 33' AGL/692' MSL. VEHICLE ON ROAD 399' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15' AGL/674' MSL.**

**(4) CONTROLLING OBSTACLES:**

(5) City, State

**HEBBRONVILLE, TX**

(6) Airport

**JIM HOGG COUNTY**

(7) Effective Date

**29 JUL 2010**

(8) Amdt. No.

**ORIG**

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

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

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

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

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

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

NOTES:  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE KINGSVILLE, TX	ELEVATION: 131 TDZE: 131 AIRPORT NAME: KLEBERG COUNTY	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: GPS RWY 13, ORIG-A, 06/15/2000	SUP AMDT ORIGINAL DATE 09/09/99
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US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CRP VORTAC	PUNVE (FB)	247.57 / 36.45	2000	LPV: DA LNAV/VNAV: DA LNAV: RW13  CLIMB TO 2000 DIRECT OREAN AND HOLD. WHEN AUTHORIZED BY ATC, CLIMB-IN-HOLD TO 2500.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 314.06 INBOUND. CHART FAS OBST: 174 TREE 273334N/0980304W CHART FAS OBST: 184 TREE 273435N/0980336W CHART A-632A. CHART A-632C. CHART KINGSVILLE 2 MOA. DISTANCE TO THLD FROM 250 HAT: 0.65 NM. CHART VDP AT 0.85 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 86618 REFERENCE PATH ID: W13A CHART TDZE 130. CHART AIRPORT ELEVATION 130.
PUNVE (IAF)	IHPOP (NOPT) (FB)	223.98 / 4.00	2000	
IHPOP (IF/IAF)	JOYRY (FB)	133.95 / 6.01	1500	

- PT          SIDE OF COURSE          OUTBOUND          FT WITHIN          MILES OF          (IAF)
- HOLD NW IHPOP, RT, 133.95 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
- FAC: 133.99 FAF: JOYRY DIST FAF TO MAP: 4.12 THLD: 4.12
- MIN. ALT: IHPOP 2000, JOYRY 1500, ZUNIK/1.70 NM TO RW13 700\*
- DIST TO THLD FROM OM:          MM:          IM:          150 HAT:          100 HAT:          GS ANT:
- MIN GS INCPT: 1500 GS ALT AT: JOYRY 1500 OM:          MM:          IM:
- GS ANGLE: 3.00 TCH: 42.4 34:1 IS NOT CLEAR
- MSA FROM: RW13 2100

MAG VAR: 6E EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF:	<input type="checkbox"/> STANDARD	<input checked="" type="checkbox"/> X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	<input type="checkbox"/> 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	380	3/4	250	380	3/4	250	380	3/4	250	380	3/4	250			
LNAV/VNAV DA	444	1	314	444	1	314	444	1	314	444	1	314			
LNAV MDA	440	1	310	440	1	310	440	1	310	440	1	310			
CIRCLING	500	1	370	580	1	450	580	1 1/2	450	680	2	550			

NOTES:  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.  
 SEE 8260-10



CITY AND STATE <b>KINGSVILLE, TX</b>	ELEVATION: 130 TDZE: 130 AIRPORT NAME: <b>KLEBERG COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 13, ORIG 29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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**NOTES CONT.**

**\*LNAV ONLY**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALICE ALTIMETER SETTING AND INCREASE ALL DA 33 FEET AND ALL MDA 40 FEET AND LPV ALL CATS, LNAV/VNAV ALL CATS, AND LNAV CAT D VISIBILITY 1/4 MILE.**

**CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ALICE ALTIMETER SETTING.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CRP VORTAC AIRWAY RADIAL 287.**



CITY AND STATE KINGSVILLE, TX	ELEVATION: 130 TDZE: 130 AIRPORT NAME: KLEBERG COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

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

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KIKG
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	273325.8420N
LTP/FTP LONGITUDE	0980212.7465W
LTP/FTP ELLIPSOIDAL HEIGHT	+00135
FPAP LATITUDE	273217.3800N
FPAP LONGITUDE	0980108.3400W
THRESHOLD CROSSING HEIGHT (TCH)	00042.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

**CRC REMAINDER** 2626F781

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00397
FPAP ORTHOMETRIC HEIGHT	+00397



CITY AND STATE KINGSVILLE, TX	ELEVATION: 130 TDZE: 130 AIRPORT NAME: KLEBERG COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

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**ARINC PACKET - 424-18 - RNAV (GPS)**

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	12345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901
SUSAD		CRP	K4011550VTHA	N27541356W097264157		N27541356W097264157	E0090000602		NARCORPUS	CHRISTI			G

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	12345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901
SUSAEENRT	IHPOP	K40	W	N27411267W098093281			E0049	NAR	IHPOP				G
SUSAEENRT	JOYRY	K40	W	N27363579W098051164			E0049	NAR	JOYRY				G
SUSAEENRT	OREAN	K40	W	N27263081W097554270			E0048	NAR	OREAN				G
SUSAEENRT	PUNVE	K40	W	N27434748W098060578			E0049	NAR	PUNVE				G
SUSAEENRT	ZUNIK	K40	W	N27344420W098032652			E0049	NAR	ZUNIK				G

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	12345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901
SUSAP	KIKGK4AIKG	0	060YHN27330310W098015130E006000130				1800018000C	MNAR	KLEBERG	COUNTY			G

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	12345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901
SUSAP	KIKGK4FR13	ACRP	010CRP	K4D 0V	IF					18000		A JS	G
SUSAP	KIKGK4FR13	ACRP	020PUNVEK4EA0E	A 020TF			24760365	+ 02000				A JS	G
SUSAP	KIKGK4FR13	ACRP	030IHPOPK4EA0EE	B 010TF			22400040	+ 02000				A JS	G
SUSAP	KIKGK4FR13	AIHPOP	010IHPOPK4EA0EE	AR HF			13400040	+ 02000		18000		A JS	G
SUSAP	KIKGK4FR13	R	010IHPOPK4EA0E	I IF				+ 02000		18000		A JS	G
SUSAP	KIKGK4FR13	R	020JOYRYK4EA1E	F 051TF			13400060	+ 01500			RW13 K4PGA	JS	G
SUSAP	KIKGK4FR13	R	020JOYRYK4EA2WALPV		ALNAV/VNAV	ALNAV						JS	G
SUSAP	KIKGK4FR13	R	021ZUNIKK4EA0E	S 031TF			13400024	V 0070000717		-300		A JS	G
SUSAP	KIKGK4FR13	R	030RW13 K4PGOGY	M 031TF			13400017	00173		-300		A JS	G
SUSAP	KIKGK4FR13	R	040	0 M 010CA			1340	+ 00380				A JS	G
SUSAP	KIKGK4FR13	R	050OREANK4EA0EY	010DF				+ 02000				A JS	G
SUSAP	KIKGK4FR13	R	060OREANK4EA0EE	R020HM			31410040	+ 02000				A JS	G

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901
SUSAP	KIKGK4GRW13	0060001340	N27332584W098021275-0100				+0013500130000042075R						G



CITY AND STATE <b>KINGSVILLE, TX</b>	ELEVATION: 130 TDZE: 130 AIRPORT NAME: <b>KLEBERG COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 13, ORIG 29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	-----												
	SUSAP KIKGK4PR13	RW13 001	0000W13A0N	2733258420W09802127465+001350300N	2732173800W09801083400106750920000424F4005002626F781G								G
	SUSAP KIKGK4PR13	RW13 002E	+00397+00397LPV	86618									

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	-----												
	SUSAP KIKGK4SRW13	K4PG	0	18018002125								M	G



CITY AND STATE KINGSVILLE, TX	ELEVATION: 130 TDZE: 130 AIRPORT NAME: KLEBERG COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

### (1) TAKEOFF MINIMUMS:

RWY 13, 31 STANDARD.

### (2) TEXTUAL DEPARTURE PROCEDURE:

### (3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, TREES BEGINNING 528' FROM DER, 515' RIGHT OF CENTERLINE, UP TO 35' AGL/154' MSL. TREES BEGINNING 775' FROM DER, 554' LEFT OF CENTERLINE, UP TO 35' AGL/159' MSL.

NOTE: RWY 31, TREES BEGINNING 184' FROM DER, 358' RIGHT OF CENTERLINE, UP TO 28' AGL/153' MSL.

### (4) CONTROLLING OBSTACLES:

QUALITY  
2  
CHECKED

(5) City, State

KINGSVILLE, TX

(6) Airport

KLEBERG COUNTY

(7) Effective Date

29 JUL 2010

(8) Amdt. No.

ORIG

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
EDEQO (IAF)	BOKKE (NOPT) (FB)	246.49 / 5.00	2600	LNAV: RW16  CLIMB TO 2600 DIRECT JIHRU AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 336.50 INBOUND. CHART FAS OBST: 459 TREE 295539N/0965809W OKFEL TO RW16: 3.05/42. CHART: GUENTHER LA GRANGE AIRPORT (CLOSED)
IMDEY (IAF)	BOKKE (NOPT) (FB)	066.39 / 5.00	2600	
BOKKE (IF/IAF)	OKFEL (FB)	156.44 / 6.88	2000	

- PT \_\_\_\_\_ SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- HOLD NW BOKKE, RT, 156.44 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
- FAC: 156.46 FAF: OKFEL DIST FAF TO MAP: 5.12 THLD: 5.12
- MIN. ALT: BOKKE 2600, OKFEL 2000, VICUC/2.50 NM TO RW16 1160
- 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: 6E

EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	720	1	402	720	1	402	720	1 1/4	402		NA				
CIRCLING	780	1	456	780	1	456	780	1 1/2	456		NA				

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GIDDINGS-LEE COUNTY ALTIMETER SETTINGS AND INCREASE ALL MDA 60FT.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE LA GRANGE, TX	ELEVATION: 324 TDZE: 318 AIRPORT NAME: FAYETTE RGNL AIR CENTER	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, AMDT 1A 29 JUL 2010	SUP: AMDT: 1 DATED 06/05/2008
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

TAA

	FROM	TO	ALT
1.	066/30 CW 246/30 (NOPT)	BOKKE (IF/IAF) (FB)	2600
2.	246/30 CW 336/30	EDEQO (IAF) (FB)	2600
3.	336/30 CW 066/30	IMDEY (IAF) (FB)	2600



CITY AND STATE  
LA GRANGE, TX

ELEVATION: 324 TDZE: 318  
AIRPORT NAME:  
FAYETTE RGNL AIR CENTER

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 16, AMDT 1A  
29 JUL 2010

SUP:  
AMDT: 1  
DATED: 06/05/2008



US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ESKIF (IAF)	JIHRU (NOPT) (FB)	066.45 / 5.00	2600	LNAV: RW34
IYAHU (IAF)	JIHRU (NOPT) (FB)	246.55 / 5.00	2600	CLIMB TO 2600 DIRECT BOKKE AND HOLD.
JIHRU (IF)	QOPHI (FB)	336.50 / 6.93	2000	
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 156.44 INBOUND. CHART FAS OBST: 489' TREE 295133N/0965600W QOPHI TO RW34: 3.04/40. CHART: GUENTHER LA GRANGE AIRPORT (CLOSED)

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD SE JIHRU, RT, 336.50 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
- FAC: 336.48 FAF: QOPHI DIST FAF TO MAP: 5.07 THLD: 5.07
- MIN. ALT: JIHRU 2600, QOPHI 2000, NIYIN/2.50 NM TO RW34 1160
- 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: 6E EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A				STANDARD @					
CATEGORY	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	740	1	416	740	1	416	740	1 1/4	416							
CIRCLING	780	1	456	780	1	456	780	1 1/2	456							

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GIDDINGS-LEE COUNTY ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>LA GRANGE, TX</b>	ELEVATION: 324 TDZE: 324 AIRPORT NAME: <b>FAYETTE RGNL AIR CENTER</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 34, AMDT 1A 29 JUL 2010</b>	SUP: AMDT: <b>1</b> DATED <b>06/05/2008</b>
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

TAA

	FROM	TO	ALT
1.	247/30 CW 066/30 (NOPT)	JIHRU (IF/IAF) (FB)	2600
2.	066/30 CW 157/30	ESKIF (IAF) (FB)	2600
3.	157/30 CW 247/30	IYAHU (IAF) (FB)	2600



CITY AND STATE  
LA GRANGE, TX

ELEVATION: 324 TDZE: 324  
AIRPORT NAME:  
FAYETTE RGNL AIR CENTER

FACILITY IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 34, AMDT 1A  
29 JUL 2010

SUP:  
AMDT: 1  
DATED: 06/05/2008



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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

ADDITIONAL FLIGHT DATA:

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

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE ODESSA, TX	ELEVATION: 3004 TDZE: 3004	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 20, ORIG, 12/30/1999	SUP
	AIRPORT NAME: ODESSA-SCHLEMEYER FIELD			AMDT NONE
				DATE

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

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

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

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

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

TAKEOFF: <input type="checkbox"/> STANDARD <input type="checkbox"/> SEE FAA FORM 8260-15A FOR THIS AIRPORT <input type="checkbox"/> ALTERNATE: N A <input 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

NOTES:  
  
 PROCEDURE CANCELED EFFECTIVE 29 JUL 2010



CITY AND STATE ODESSA, TX	ELEVATION: 3004 TDZE: AIRPORT NAME: ODESSA-SCHLEMEYER FIELD	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: GPS-B, ORIG, 12/30/1999	SUP AMD T NONE DATE
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**NDB STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.27**

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
MAF VORTAC	FARLY LOM	248.51 / 6.99	5100	MAP: 4.69 MILES AFTER FARLY LOM
				CLIMBING RIGHT TURN TO 5100 DIRECT FARLY LOM AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD NE, LT, 210.60 INBOUND. FAS OBST: 3209 AAO 315827N/1022043W FARLY LOM TO RW20: 3.13/38.

1. PT L SIDE OF COURSE 030.60 OUTBOUND 5100 FT WITHIN 10 MILES OF FARLY LOM (IAF)  
 2. \_\_\_\_\_  
 3. FAC 210.60 FAF FARLY LOM DIST FAF TO MAP 4.69 THLD 4.69  
 4. MIN. ALT FARLY LOM 4600  
 8. MSA FROM: FARLY LOM 5500

MAG VAR: 9E EPOCH YEAR: 1985

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @											
CATEGORY =====>	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-20	3520	1	516	3520	1	516	3520	1 1/2	516	3520	1 3/4	516				
CIRCLING	3520	1	516	3520	1	516	3520	1 1/2	516	3560	2	556				

**NOTES:**

CHART NOTE: CIRCLING NA S OF RWYS 2 AND 34.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE MIDLAND INTL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
5  
CHECKED

CITY AND STATE <b>ODESSA, TX</b>	ELEVATION: 3004 TDZE: 3004 AIRPORT NAME: <b>ODESSA-SCHLEMEYER FIELD</b>	FACILITY IDENTIFIER: <b>MAF</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>NDB RWY 20, AMDT 5 29 JUL 2010</b>	SUP <b>AMDT 4</b> DATE <b>12/30/1999</b>
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US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
NOTES (IAF)	KIMTE (FB)	028.02 / 5.15	5000	LPV: DA LNAV/VNAV: DA LNAV: RW11	
GOMIT (IAF)	KIMTE (FB)	131.97 / 5.78	5000	CLIMB TO 5000 DIRECT JEMBI AND HOLD.	
PIZON (IAF)	KIMTE (FB)	207.38 / 10.75	5000		
KIMTE (IF)	ISOBY (FB)	112.63 / 6.03	4700	ADDITIONAL FLIGHT DATA: HOLD SE, RT, 292.84 INBOUND. CHART FAS OBST: 3012 POLE 315549N/1022346W CHART FAS OBST: 3119 TOWER 315513N/1022350W 3254 AAO 315803N/1022926W DISTANCE TO THLD FROM 200 HAT: 0.51 NM. CHART VDP AT 1.15 MILES TO RW11* *LNAV ONLY. WAAS CHANNEL # 45618 REFERENCE PATH ID: W11A	

- PT NA SIDE OF COURSE          OUTBOUND          FT WITHIN          MILES OF          (IAF)
- PROFILE STARTS AT KIMTE
- FAC: 112.68 FAF: ISOBY DIST FAF TO MAP: 5.22 THLD: 5.22
- MIN. ALT: KIMTE 5000, ISOBY 4700, JVDU/2.00 NM TO RW11 3640\*
- DIST TO THLD FROM OM:          MM:          IM:          150 HAT:          100 HAT:          GS ANT:
- MIN GS INCPT: 4700 GS ALT AT: ISOBY 4700 OM:          MM:          IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
- MSA FROM: RW11 5500

MAG VAR: 8E EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3176	3/4	200	3176	3/4	200	3176	3/4	200	3176	3/4	200			
LNAV/VNAV DA	3327	1 1/4	351	3327	1 1/4	351	3327	1 1/4	351	3327	1 1/4	351			
LNAV MDA	3380	1	404	3380	1	404	3380	1 1/4	404	3380	1 1/4	404			
CIRCLING	3460	1	456	3460	1	456	3460	1 1/2	456	3560	2	556			

NOTES:  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 43C (109F).

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: CIRCLING NA S OF RWYS 2 AND 34.

CHART NOTE: DME/DME RNP-0.3 NA.

SEE 8260-10



CITY AND STATE <b>ODESSA, TX</b>	ELEVATION: 3004 TDZE: 2976 AIRPORT NAME: <b>ODESSA-SCHLEMEYER FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11, ORIG 29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

**NOTES CONT.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE MIDLAND INTL ALTIMETER SETTING AND INCREASE ALL DA 41 FEET AND ALL MDA 60 FEET AND INCREASE LNAV/VNAV ALL CATS AND LNAV CAT D VISIBILITY 1/4 MILE.**

**CHART NOTE: VDP NA WITH MIDLAND INTL ALTIMETER SETTING.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NOTES ON V94-546 WESTBOUND.**

**CHART NOTE: BARO-VNAV NA WHEN USING MIDLAND INTL ALTIMETER SETTING.**

**\*LNAV ONLY**



CITY AND STATE <b>ODESSA, TX</b>	ELEVATION: 3004 TDZE: 2976 AIRPORT NAME: <b>ODESSA-SCHLEMEYER FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11, ORIG 29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KODO
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	315534.7100N
LTP/FTP LONGITUDE	1022336.7800W
LTP/FTP ELLIPSOIDAL HEIGHT	+08824
FPAP LATITUDE	315449.0800N
FPAP LONGITUDE	1022206.8000W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0864
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER B31C5402

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+09063
FPAP ORTHOMETRIC HEIGHT	+09063



CITY AND STATE ODESSA, TX	ELEVATION: 3004 TDZE: 2976 AIRPORT NAME: ODESSA-SCHLEMEYER FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:



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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
SUSAP KODOK4PR11	RW11	001	0000W11A0N3155347100W10223367800+088240300N3154490800W10222068000106750864000400F400350B31C5402										
SUSAP KODOK4PR11	RW11	002E	+09063+09063LPV 45618										

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
-----													
SUSAP KODOK4SRW11	K4PG	0	18018005525	M									



CITY AND STATE <b>ODESSA, TX</b>	ELEVATION: 3004 TDZE: 2976 AIRPORT NAME: <b>ODESSA-SCHLEMEYER FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 11, ORIG</b> <b>29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
PIZON (IAF)	NOING (FB)	108.31 / 10.59	5100	<b>LNAV: RW20</b>  <b>CLIMBING RIGHT TURN TO 5100 DIRECT PIZON AND HOLD.</b>  ADDITIONAL FLIGHT DATA: HOLD W, RT, 108.31 INBOUND. FAS OBST: 3209 AAO 315827N/1022043W FERTH TO RW20: 3.05/38.
MERGE (IAF)	NOING (FB)	201.33 / 13.38	5100	
NOING (IF)	FERTH (FB)	201.73 / 6.07	4700	

- PT NA SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- PROFILE STARTS AT NOING
- FAC: 201.70 FAF: FERTH \_\_\_\_\_ DIST FAF TO MAP: 5.13 THLD: 5.13
- MIN. ALT: NOING 5100, FERTH 4700
- 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: RW20 5500

MAG VAR: 8E EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @											
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	3460	1	456	3460	1	456	3460	1 1/4	456	3460	1 1/2	456				
CIRCLING	3460	1	456	3460	1	456	3460	1 1/2	456	3560	2	556				

NOTES:  
 CHART NOTE: CIRCLING NA S OF RWYS 2 AND 34.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE MIDLAND INTL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE LNAV CATS C AND D VISIBILITY 1/4 MILE.  
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>ODESSA, TX</b>	ELEVATION: 3004 TDZE: 3004 AIRPORT NAME: <b>ODESSA-SCHLEMEYER FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 20, ORIG 29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MERGE ON V81 NORTHBOUND AND AT PIZON ON V68 NORTHWEST BOUND.  
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.



CITY AND STATE ODESSA, TX	ELEVATION: 3004 TDZE: 3004 AIRPORT NAME: ODESSA-SCHLEMEYER FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:



US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
OHARA	WAGVO (FB)	056.91 / 12.00	5000	LPV: DA LNAV/VNAV: DA LNAV: RW29	
WAGVO (IAF)	JEMBI (FB)	022.81 / 5.00	5000	CLIMB TO 5000 DIRECT KIMTE AND HOLD.	
JOKES (IAF)	JEMBI (FB)	249.21 / 17.71	5000		
JEMBI (IF)	FODGA (FB)	292.84 / 6.10	4700		
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 112.63 INBOUND. CHART FAS OBST: 3144 TOWER 315506N/1022206W DISTANCE TO THLD FROM 200 HAT: 0.50 NM. CHART VDP AT 1.19 MILES TO RW29* *LNAV ONLY. WAAS CHANNEL # 86318 REFERENCE PATH ID: W29A	

1. PT NA SIDE OF COURSE          OUTBOUND          FT WITHIN          MILES OF          (IAF)
2. PROFILE STARTS AT JEMBI
3. FAC: 292.79 FAF: FODGA DIST FAF TO MAP: 5.20 THLD: 5.20
4. MIN. ALT: JEMBI 5000, FODGA 4700, HUDUP/2.00 NM TO RW29 3660\*
5. DIST TO THLD FROM OM:          MM:          IM:          150 HAT:          100 HAT:          GS ANT:
6. MIN GS INCPT: 4700 GS ALT AT: FODGA 4700 OM:          MM:          IM:
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM: RW29 5500

MAG VAR: 8E EPOCH YEAR: 2000

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @											
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	3180	3/4	200	3180	3/4	200	3180	3/4	200	3180	3/4	200				
LNAV/VNAV DA	3414	1 1/2	434	3414	1 1/2	434	3414	1 1/2	434	3414	1 1/2	434				
LNAV MDA	3400	1	420	3400	1	420	3400	1 1/4	420	3400	1 1/4	420				
CIRCLING	3460	1	456	3460	1	456	3460	1 1/2	456	3560	2	556				

NOTES:  
CHART NOTE: BARO-VNAV NA WHEN USING MIDLAND INTL ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 43C (109F).

CHART NOTE: CIRCLING NA S OF RWYS 2 AND 34.

SEE 8260-10

CITY AND STATE <b>ODESSA, TX</b>	ELEVATION: 3004 TDZE: 2980 AIRPORT NAME: <b>ODESSA-SCHLEMEYER FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 29, ORIG 29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

**NOTES CONT.**

**CHART NOTE: DME/DME RNP-0.3 NA.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE MIDLAND INTL ALTIMETER SETTING AND INCREASE ALL DA 41 FEET AND ALL MDA 60 FEET AND INCREASE LNAV/VNAV ALL CATS AND LNAV CAT D VISIBILITY 1/4 MILE.**

**CHART NOTE: VDP NA WITH MIDLAND INTL ALTIMETER SETTING.**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OHARA ON V81 SOUTHWEST BOUND AND ARRIVALS AT JOKES ON V68 SOUTHEAST BOUND.**

**\*LNAV ONLY**



**CITY AND STATE  
ODESSA, TX**

**ELEVATION: 3004 TDZE: 2980  
AIRPORT NAME:  
ODESSA-SCHLEMEYER FIELD**

**FACILITY IDENTIFIER:  
RNAV**

**PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 29, ORIG  
29 JUL 2010**

**SUP:  
AMDT: NONE  
DATED:**

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

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

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KODO
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	315503.3500N
LTP/FTP LONGITUDE	1022234.9500W
LTP/FTP ELLIPSOIDAL HEIGHT	+08842
FPAP LATITUDE	315548.9800N
FPAP LONGITUDE	1022404.9400W
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	0864
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

**CRC REMAINDER** 7F958A2B

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+09082
FPAP ORTHOMETRIC HEIGHT	+09082



CITY AND STATE ODESSA, TX	ELEVATION: 3004 TDZE: 2980	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME: ODESSA-SCHLEMEYER FIELD			AMDT: NONE
	DATED:			



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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	-----												
	SUSAP KODOK4PR29 RW29 001 0000W29A0N3155033500W10222349500+088420300N3155489800W10224049400106750864000400P4003507P958A2B												
	SUSAP KODOK4PR29 RW29 002E +09082+09082LPV 86318												
	-----												
	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	-----												
	SUSAP KODOK4SRW29 K4PG 0 18018005525 M												



CITY AND STATE <b>ODESSA, TX</b>	ELEVATION: 3004 TDZE: 2980 AIRPORT NAME: <b>ODESSA-SCHLEMEYER FIELD</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 29, ORIG 29 JUL 2010</b>	SUP:
				AMDT: <b>NONE</b>
				DATED:

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

**RWY 08, 17, 26, STANDARD**

**RWY 35, STANDARD WITH MINIMUM CLIMB OF 612 FT PER NM TO 3600 OR 300-1 WITH MINIMUM CLIMB OF 235 FT PER NM TO 3900, OR 900-3 FOR CLIMB IN VISUAL CONDITIONS.**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**RWY 35- CLIMB HEADING 350.37 TO 4000 BEFORE TURNING RIGHT. FOR CLIMB IN VISUAL CONDITIONS CROSS GAINES COUNTY AIRPORT AT OR ABOVE 4100 BEFORE PROCEEDING ON COURSE.**

**(3) TAKEOFF OBSTACLE NOTES:NOTE: RWY 17, BRUSH BEGINNING 147' FROM DER 388' RIGHT OF CENTERLINE, 30' AGL/3280' MSL. TREE 231' FROM DER, 356' RIGHT OF CENTERLINE, 60' AGL/3293' MSL. HOUSE 865' FROM DER, 531' LEFT OF CENTERLINE, 25' AGL/3289' MSL. POLE 1238' FROM DER, 650' RIGHT OF CENTERLINE, 30' AGL/3297' MSL. RWY 35, TOWER 2898' FROM DER, 1016' LEFT OF CENTERLINE, 169' AGL/3440' MSL.**

**(4) CONTROLLING OBSTACLES:**

**RWY 35: 3440 MSL TOWER 324112.00N / 1023907.00W, 3628 MSL TOWER 324257.40N / 1023849.70W.  
VCOA: 3765 TOWER 324330.00N / 1023803.00W.**

(5) City, State <b>SEMINOLE, TX</b>	(6) Airport <b>GAINES COUNTY</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>ORIG</b>
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**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**NDB STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.27**

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

**TERMINAL ROUTES**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CDS VORTAC	VRT NDB	089.40 / 50.92	3500
HBR VORTAC	VRT NDB	185.65 / 39.83	3600
VASTY INT	VRT NDB	315.47 / 7.58	3000

**MISSED APPROACH**

**MAP: VRT NDB**

**CLIMBING LEFT TURN TO 3000 IN VRT NDB HOLDING PATTERN.**

**ADDITIONAL FLIGHT DATA:**  
**HOLD N, LT, 192.65 INBOUND.**  
**FAS OBST: 1579 AAO 342138N/0991616W**  
**FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.**

1. PT R SIDE OF COURSE 012.65 OUTBOUND 3000 FT WITHIN 10 MILES OF VRT NDB (IAF)
2. \_\_\_\_\_
3. FAC 192.65 FAF \_\_\_\_\_ DIST FAF TO MAP \_\_\_\_\_ THLD \_\_\_\_\_
4. MIN. ALT \_\_\_\_\_
8. MSA FROM: VRT NDB 3400

MAG VAR: 8E EPOCH YEAR: 1980

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A	X									
CATEGORY >>>>>	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-20	1940	1	681	1940	1	681	1940	2	681		NA					
CIRCLING	1940	1	675	1940	1	675	1940	2	675		NA					

**NOTES:**

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FREDERICK ALTIMETER SETTING: INCREASE ALL MDA 40 FEET.



CITY AND STATE <b>VERNON, TX</b>	ELEVATION: 1265 TDZE: 1259	FACILITY IDENTIFIER: <b>VRT</b>	PROCEDURE NO./AMD T NO./EFFECTIVE DATE:	SUP NDB OR GPS RWY
	AIRPORT NAME: <b>WILBARGER COUNTY</b>		<b>NDB RWY 20, AMDT 1</b>	<b>20</b>
			<b>29 JUL 2010</b>	AMDT <b>ORIG</b>
			DATE	<b>12/25/2003</b>

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

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

CITY AND STATE VERNON, TX	ELEVATION: 1265 TDZE: 1259	FACILITY IDENTIFIER: VRT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 20, AMDT 1 29 JUL 2010	SUP: NDB OR GPS RWY 20
	AIRPORT NAME: WILBARGER COUNTY			AMDT: ORIG
				DATED: 12/25/2003

QUALITY  
2  
CHECKED







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

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
ADOBE	KEFZU (FB)	122.39 / 21.01	3100	LPV: DA LNAV/VNAV: DA LNAV: RW20	
VASTY	BECAT (FB)	015.28 / 14.63	3100	CLIMB TO 3300 DIRECT OXULY AND HOLD.	
KEFZU (IAF)	EFAKU (FB)	113.92 / 5.00	3100		
BECAT (IAF)	EFAKU (FB)	294.02 / 5.00	3100		
EFAKU (IF)	YEPUV (FB)	203.97 / 6.10	3000		
				ADDITIONAL FLIGHT DATA: HOLD SW, RT, 023.82 INBOUND. CHART FAS OBST: 1309 TREE 341406N/0991706W CHART FAS OBST: 1319 TREE 341354N/0991724W DISTANCE TO THLD FROM 250 HAT: 0.67 NM. WAAS CHANNEL # 63018 REFERENCE PATH ID: W20A	

- PT NA SIDE OF COURSE            OUTBOUND            FT WITHIN            MILES OF            (IAF)
- PROFILE STARTS AT EFAKU
- FAC: 203.93 FAF: YEPUV DIST FAF TO MAP: 5.28 THLD: 5.28
- MIN. ALT: EFAKU 3100, YEPUV 3000, VIDUY/1.30 NM TO RW20 1700\*
- DIST TO THLD FROM OM:            MM:            IM:            150 HAT:            100 HAT:            GS ANT:
- MIN GS INCPT: 3000 GS ALT AT: YEPUV 3000 OM:            MM:            IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM: RW20 3400

MAG VAR: 8E EPOCH YEAR: 1980

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @											
CATEGORY ==>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	1509	1	250	1509	1	250	1509	1	250		NA					
LNAV/VNAV DA	1585	1 1/4	326	1585	1 1/4	326	1585	1 1/4	326		NA					
LNAV MDA	1580	1	321	1580	1	321	1580	1	321		NA					
CIRCLING	1660	1	395	1720	1	455	1720	1 1/2	455		NA					

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

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE <b>VERNON, TX</b>	ELEVATION: 1265 TDZE: 1259 AIRPORT NAME: <b>WILBARGER COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 20, ORIG 29 JUL 2010</b>	SUP: AMDT: <b>NONE</b> DATED
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

**NOTES CONT.**

**CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.**

**\*LNAV ONLY**

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



CITY AND STATE VERNON, TX	ELEVATION: 1265 TDZE: 1259 AIRPORT NAME: WILBARGER COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED:
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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	F05
RUNWAY	RW20
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	341354.1975N
LTP/FTP LONGITUDE	0991643.9145W
LTP/FTP ELLIPSOIDAL HEIGHT	+03542
FPAP LATITUDE	341238.4200N
FPAP LONGITUDE	0991740.6800W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1200
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

**CRC REMAINDER** 6F0F0AAF

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03826
FPAP ORTHOMETRIC HEIGHT	+03826

QUALITY  
 &  
 CHECKED

CITY AND STATE VERNON, TX	ELEVATION: 1265 TDZE: 1259 AIRPORT NAME: WILBARGER COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:





# TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

**RWY 2, 16, 20, 34 STANDARD**

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 2, VEHICLE ON ROAD 401' FROM DER, 587' RIGHT OF CENTERLINE, UP TO 15' AGL/1269' MSL. POLE 329' FROM DER, 525' RIGHT OF CENTERLINE, UP TO 30' AGL/1284' MSL. GROUND 56' FROM DER, 399' LEFT OF CENTERLINE, 1258' MSL.**

**NOTE: RWY 20, VEHICLE ON ROAD 451' FROM DER, 604' RIGHT OF CENTERLINE, UP TO 15' AGL/1279' MSL.**

**NOTE: RWY 34, TREES BEGINNING 1178' FROM DER, 530' RIGHT OF CENTERLINE, UP TO 60' AGL/1309' MSL. VEHICLE ON ROAD 472' FROM DER, 445' LEFT OF CENTERLINE, UP TO 15' AGL/1274' MSL.**

**(4) CONTROLLING OBSTACLES:**



(5) City, State <b>VERNON, TX</b>	(6) Airport <b>WILBARGER COUNTY</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>ORIG</b>
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## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

**(1) TAKEOFF MINIMUMS:**

RWY 17, 35 STANDARD.

**(2) TEXTUAL DEPARTURE PROCEDURE:**

**(3) TAKEOFF OBSTACLE NOTES:** NOTE: RWY 17, HANGER 360' FROM DER, 399' LEFT OF CENTERLINE, 15' AGL/2504' MSL. UTILITY POLE 593' FROM DER, 513' RIGHT OF CENTERLINE, 30' AGL/2509' MSL. UTILITY POLE 623' FROM DER, 507' LEFT OF CENTERLINE, 30' AGL/2499' MSL. TREE 2656' FROM DER, 887' RIGHT OF CENTERLINE, 50' AGL/2569' MSL. NOTE: RWY 35, TREE 2267' FROM DER, 776' RIGHT OF CENTERLINE, 50' AGL/2497' MSL.

**(4) CONTROLLING OBSTACLES:**



(5) City, State <b>WHEELER, TX</b>	(6) Airport <b>WHEELER MUNI</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>ORIG</b>
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**TAKEOFF MINIMUMS AND TEXTUAL DEPARTURE PROCEDURES (DP)**

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

**(1) TAKEOFF MINIMUMS:**  
**RWY 06, 24, STANDARD.**

**(2) DEPARTURE PROCEDURE:**  
**RWY 06, CLIMB ON HEADING 062.17 TO 3600 BEFORE PROCEEDING ON COURSE.**  
**RWY 24, CLIMB ON HEADING 247.16 TO 4900 BEFORE PROCEEDING ON COURSE.**

**(3) TAKEOFF OBSTACLE NOTES:**  
**NOTE: RWY 06, TREES BEGINNING 775' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/2801' MSL. TERRAIN BEGINNING 86' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 2728' MSL.**  
**NOTE: RWY 24, TREES BEGINNING 159' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/2794' MSL. OL ON LOC 308' FROM DER 22' LEFT OF CENTERLINE, 8' AGL/2678' MSL. OL ON LOC 304' FROM DER 22' RIGHT OF CENTERLINE, 8' AGL/2678' MSL. OL ON LOC/DME 306' FROM DER, 189' RIGHT OF CENTERLINE, 15' AGL/2685' MSL. TERRAIN 159' FROM DER, 363' LEFT OF CENTERLINE, 2676' MSL.**

**(4) CONTROLLING OBSTACLES:**  
**RWY 06, 4,416 MSL TOWER 365354.00N / 0823720.00W.**  
**RWY 24, 4,416 MSL TOWER 365354.00N / 0823720.00W.**



(5) City, State <b>WISE, VA</b>	(6) Airport <b>LONESOME PINE</b>	(7) Effective Date <b>29 JUL 2010</b>	(8) Amdt. No. <b>3</b>
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US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
AYZOO	ECAVO (FB)	269.89 / 11.81	4000	<b>LNNAV: RW02</b>  <b>CLIMBING LEFT TURN TO 4000 DIRECT CEVEY AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>CHART FAS OBST: 1733 TREE 443039N/0720259W</b> <b>AXTER TO RW02: 3.04/40.</b>
MPV VOR/DME	DETFI (FB)	048.93 / 21.94	5000	
ECAVO (IAF)	CEVEY (NOPT) (FB)	294.50 / 5.00	4000	
DETFI (IAF)	CEVEY (NOPT) (FB)	114.34 / 5.00	4000	
CEVEY (IF/IAF)	AXTER (FB)	024.42 / 6.30	2800	

- PT \_\_\_\_\_ SIDE OF COURSE \_\_\_\_\_ OUTBOUND \_\_\_\_\_ FT WITHIN \_\_\_\_\_ MILES OF \_\_\_\_\_ (IAF)
- HOLD SW CEVEY, RT, 024.42 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
- FAC: 024.44 FAF: AXTER DIST FAF TO MAP: 4.90 THLD: 4.90
- MIN. ALT: CEVEY 4000, AXTER 2800
- 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: RW02 6400

MAG VAR: 16W EPOCH YEAR: 1995

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N/A	@		
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNNAV MDA	2000	1	815	2000	1 1/4	815		NA			NA					
CIRCLING	2000	1	812	2000	1 1/4	812		NA			NA					

NOTES:  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: PROCEDURE NA AT NIGHT.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WHITEFIELD, NH ALTIMETER SETTING AND SEE 8260-10

@ CAT A, B 900-2  
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE LYNDONVILLE, VT	ELEVATION: 1188 TDZE: 1185 AIRPORT NAME: CALEDONIA COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG-A 29 JUL 2010	SUP: AMDT: ORIG DATED 01/18/2007
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**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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

**NOTES CONT.**

**INCREASE ALL MDAS 80 FEET AND INCREASE CAT A VISIBILITIES 1/4 MILE.**

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

CITY AND STATE LYNDONVILLE, VT	ELEVATION: 1188 TDZE: 1185 AIRPORT NAME: CALEDONIA COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG-A 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 01/18/2007



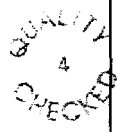
**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KCDAR6GRW02	0033010245	N44335270W072010807+0300	+0331401178000040060R									

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KCDAR6SRW02	K6PG	0	18018006425	M								



CITY AND STATE LYNDONVILLE, VT	ELEVATION: 1188 TDZE: 1185 AIRPORT NAME: CALEDONIA COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG-A 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 01/18/2007

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
RENGO INT/MQG 40.63 DME	HOLLOW INT/ALW 17.82 DME	246.46 / 8.04 (MQG R-246)	6200	ILS: DA LOC: 5.65 MILES AFTER TRINA LOM / ALW VOR/DME 6.66 DME.
HOLLOW INT/ALW VOR/DME 17.82 DME (IAF)	RIRRO/ALW 12.32 DME	196.19 / 5.51 (I-ALW)	4700	
BUTOC INT/PSC VOR/DME 40.00 DME (IAF)	RIRRO/ALW 12.32 DME	111.00 / 3.80 (HDG) & 196.19 / 1.93 (I-ALW)	4700	CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 4000 HEADING 340 AND ALW VOR/DME R-308 TO BACUN INT/ALW 15.11 DME AND HOLD.
RIRRO/ALW 12.32 DME (IF)	ZALBI/ALW 8.72 DME	196.19 / 3.60 (I-ALW)	3700	
ZALBI/ALW 8.72 DME	TRINA LOM/ALW VOR/DME 6.66 DME	196.19 / 2.05 (I-ALW)	3200	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 128.26 INBOUND. CHART FAS OBST: 1719 TREE 460821N/1181338W CHART (SIBSE) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE. CHART ALW R-016 AT HOLLOW CHART (COSUV) IN PROFILE

- PT NA SIDE OF COURSE            OUTBOUND            FT WITHIN            MILES OF            (IAF)
- PROFILE STARTS AT RIRRO/ALW 12.32 DME
- FAC: 196.19 FAF: TRINA LOM/ALW VOR/DME 6.66 DME PFAF: (COSUV) DIST FAF TO MAP: 5.65 THLD: 5.65
- MIN. ALT: RIRRO 4700, ZALBI 3700, TRINA LOM 3200, HIVOP/ALW 3.80 DME 2200\*
- DIST TO THLD FROM OM: 5.65 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1050
- MIN GS INCPT: 3200 GS ALT AT: (COSUV) 3200 OM: 3072 MM: - IM: -
- GS ANGLE: 3.00 TCH: 49.9
- MSA FROM: AL LOM 340-160 7600, 160-250 6600, 250-340 3600

MAG VAR: 20E EPOCH YEAR: 1980

MINIMUMS

TAKEOFF:	STANDARD	<input checked="" type="checkbox"/>	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	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 20	+1394	2400	200	+1394	2400	200	+1394	2400	200	+1394	2400	200			
S-LOC 20	1980	2400	786	1980	4000	786	1980	1 3/4	786	1980	2	786			
CIRCLING	1980	1	786	1980	1 1/4	786	1980	2 1/4	786	1980	2 1/2	786			

NOTES:  
CHART NOTE: DME REQUIRED.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PENDLETON ALTIMETER SETTING AND INCREASE ALL DA AND ALL MDA 120 FEET, INCREASE S-LOC 20 CAT A VISIBILITY 1/4 MILE AND CAT C VISIBILITY 1/2 MILE, AND CIRCLING CAT A VISIBILITY 1/4 MILE AND CAT C VISIBILITY 1/2 MILE.

# CAT A, B 800-2, CAT C 800-2 1/4, CAT D 800-2 1/2  
@ CAT C 800-2 1/4, CAT D 800-2 1/2  
#@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY  
CHECKED

CITY AND STATE WALLA WALLA, WA	ELEVATION: 1194 TDZE: 1194 AIRPORT NAME: WALLA WALLA REGIONAL	FACILITY IDENTIFIER: I-ALW	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME Z RWY 20, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED
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**ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

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**NOTES CONT.**

CHART NOTE: WHEN USING PENDLETON ALTIMETER SETTING, S-LOC 20 AND CIRCLING CAT D MINIMUMS NA.

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

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING PENDLETON ALTIMETER SETTING, INCREASE S-ILS 20 ALL CATS VISIBILITY TO 5000 RVR.

CHART PROFILE NOTE: \*2320 WHEN USING PENDLETON ALTIMETER SETTING

CHART NOTE: DME FROM ALW VOR/DME. SIMULTANEOUS RECEPTION OF I-ALW AND ALW VOR/DME REQUIRED.

\*LOC ONLY



CITY AND STATE WALLA WALLA, WA	ELEVATION: 1194 TDZE: 1194 AIRPORT NAME: WALLA WALLA REGIONAL	FACILITY IDENTIFIER: I-ALW	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME Z RWY 20, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

**ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
FAR PART 97.29**

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ALW VOR/DME	TRINA LOM/ALW 6.66 DME	017.01 / 6.66	5200	<b>ILS: DA</b> <b>LOC: 5.65 MILES AFTER TRINA LOM</b>  <b>CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 4000 HEADING 340 AND ALW VOR/DME R-308 TO BACUN INT/ALW 15.11 DME AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> HOLD NW, RT, 128.26 INBOUND. CHART FAS OBST: 1719 TREE 460821N/1181338W CHART 1939 TREE 460911N/1181212W. CHART ALW R-016 AT HOLOW. CHART: MAX 6000 AT TRINA LOM CHART (COSUV) IN PROFILE
DATES INT	TRINA LOM/ALW 6.66 DME	161.42 / 8.50	4900	
RENGO INT/MQG 40.63 DME (IAF)	HOLOW INT/ALW VOR/DME 17.82 DME (NOPT)	246.46 / 8.04 (MQG R-246) (ALW LR-022)	6200	
HOLOW INT/ALW VOR/DME 17.82 DME (IF)	TRINA LOM/ALW 6.66 DME	196.19 / 11.16 (I-ALW)	3200	

- PT L SIDE OF COURSE 016.19 OUTBOUND 3800 FT WITHIN 10 MILES OF TRINA LOM (IAF)
- 
- FAC: 196.19 FAF: TRINA LOM/ALW 6.66 DME PFAF: (COSUV) DIST FAF TO MAP: 5.65 THLD: 5.65
- MIN. ALT: TRINA LOM 3200, HIVOP/ALW VOR/DME 3.80 DME 2200\*
- DIST TO THLD FROM OM: 5.65 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1050
- MIN GS INCPT: 3200 GS ALT AT: GS INTCP (COSUV) 3200 OM: 3072 MM: - IM: -
- GS ANGLE: 3.00 TCH: 49.9
- MSA FROM: AL LOM 340-160 7600, 160-250 6600, 250-340 3600

MAG VAR: 20E EPOCH YEAR: 1980

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: #	LOC: @									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 20	+1394	2400	200	+1394	2400	200	+1394	2400	200	+1394	2400	200			
S-LOC 20	2200	4000	1006	2200	5000	1006	2200	2 1/2	1006	2200	2 1/2	1006			
CIRCLING	2200	1 1/4	1006	2200	1 1/2	1006	2200	3	1006	2200	3	1006			
HIVOP DME FIX MINIMUMS															
S-LOC 20	1980	2400	786	1980	4000	786	1980	1 3/4	786	1980	2	786			
CIRCLING	1980	1	786	1980	1 1/4	786	1980	2 1/4	786	1980	2 1/2	786			

NOTES:  
\*LOC ONLY  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PENDLETON ALTIMETER SETTING AND INCREASE ALL DA AND ALL MDA 120 FEET. INCREASE HIVOP DME FIX S-LOC 20 CAT A VISIBILITY 1/4 MILE, CAT C VISIBILITY 1/2 MILE, AND CIRCLING CAT A VISIBILITY 1/4 MILE AND CAT C VISIBILITY 1/2 MILE.  
SEE 8260-10.

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

QUALITY  
1  
CHECKED

CITY AND STATE <b>WALLA WALLA, WA</b>	ELEVATION: 1194 TDZE: 1194 AIRPORT NAME: <b>WALLA WALLA REGIONAL</b>	FACILITY IDENTIFIER: <b>I-ALW</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>ILS OR LOC Y RWY 20, AMDT 9</b> <b>29 JUL 2010</b>	SUP. ILS OR LOC RWY 20 AMDT: <b>8B</b> DATED <b>04/10/2008</b>
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**ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

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

NOTES CONT.

- CHART NOTE: CAT D NA WHEN USING PENDLETON ALTIMETER SETTING.
- CHART NOTE: +RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
- CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING PENDLETON ALTIMETER SETTING INCREASE S-ILS 20 ALL CATS VISIBILITY 1/2 MILE.
- CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-LOC 20 CAT A VISIBILITY WHEN USING PENDLETON ALTIMETER SETTING.
- CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RENGU ON V536 AND V187 NORTHEAST BOUND.
- CHART PROFILE NOTE: \*2320 WHEN USING PENDLETON ALTIMETER SETTING

QUALITY  
1  
CHECKED

CITY AND STATE WALLA WALLA, WA	ELEVATION: 1194 TDZE: 1194 AIRPORT NAME: WALLA WALLA REGIONAL	FACILITY IDENTIFIER: I-ALW	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC Y RWY 20, AMDT 9 29 JUL 2010	SUP: ILS OR LOC RWY 20 AMDT: 8B DATED: 04/10/2008
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U.S. Department of Transportation  
Federal Aviation Administration

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

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA	
EPH VORTAC (40V)	JETNU (TF) (FB) (RNP 2.00) (40E) (43A)	279.31/25.60	6000	CLIMB TO 4000 VIA TRACK 116.02 TO JOKRU AND VIA TRACK 111.43 TO QUINT AND HOLD.	
JETNU (IAF) (40E) (43A)	WULIP (TF) (FB) (RNP 1.00) (40E)	278.92/5.00	5300		
QUINT (IAF) (40E) (43A)	VENJU (TF) (FB) (RNP 1.00) (40E)	329.03/20.77	5300	ADDITIONAL FLIGHT DATA: HOLD SE, RT, 293.00 INBOUND. DISTANCE TO THLD FROM 769 HAT: 2.29 NM. ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S @ TCH 1265.8 MSL (DO NOT CHART) CHART: 1699 TREE 472542N/1201436W. CHART: 1899 TREE 472552N/1201401W.	
CASHS (IAF) (40E) (43A)	ZUBEX (TF) (FB) (RNP 1.00) (40E)	076.03/9.56	6200		
ZUBEX (40E)	VENJU (RF) (FB) (RNP 1.00) (40E)	(8.00 NM RADIUS CCW ALWIJ)/15.00	5300		
VENJU (40E)	WULIP (RF) (FB) (RNP 1.00) (40E)	(5.80 NM RADIUS CCW CFIHP)/5.08	5300		
WULIP (40E)	FEMAM (RF) (FB) (RNP 0.30) (40E) (41E)	(5.00 NM RADIUS CCW XUVDY)/8.53	4800		
CONT'D ON PAGE 2					

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT FEMAM
- FAC:   \*   FAF: \*SEE TERMINAL ROUTES FROM CIRZI DIST FAF TO MAP:        THLD:
- MIN. ALT: FEMAM 4800
- DIST TO THLD FROM OM:   6.88   MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT:   3500   GS ALT AT: CIRZI 3500, YUBBU 2555 OM:        MM:        IM:
- GS ANGLE:   3.00   TCH: 45.0@ 34:1 IS NOT CLEAR
- MSA FROM: RW12 10700

MAG VAR: 19E                      EPOCH YEAR: 1995

**MINIMUMS**

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

**SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED**

RNP 0.10 DA\$	1995	2 3/4	769	1995	2 3/4	769	1995	2 3/4	769	1995	2 3/4	769		
RNP 0.19 DA**	2071	3	845	2071	3	845	2071	3	845	2071	3	845		
RNP 0.19 DA	2368	4	1142	2368	4	1142	2368	4	1142	2368	4	1142		

NOTES: CHART NOTES: RF AND GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17C # 1200-4

(2F) OR ABOVE 46C (114F).

\$MISSED APPROACH REQUIRES MINIMUM CLIMB OF 305 FEET PER NM TO 3700.

\*\*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 295 FEET PER NM TO 3700.

CONT'D ON PAGE 2

QUALITY  
1  
CHECKED

CITY AND STATE	ELEVATION: 1249 TDZE: 1226	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 29 JUL 2010 RNAV (RNP) RWY 12, ORIG	SUP:
WENATCHEE, WA	AIRPORT NAME: PANGBORN MEMORIAL			AMDT: NONE
				DATE

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30728 ; Amdt. No. 3377]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

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

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

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the Federal Register as of [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER].

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

For Examination -

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

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

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

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

[http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

Availability - All SIAPs are available online free of charge.

Visit [nfdc.faa.gov](http://nfdc.faa.gov) to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

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

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

FOR FURTHER INFORMATION CONTACT: Harry J. Hodges, Flight Procedure Standards Branch (AFS-420) Flight Technologies and Programs Division, Flight Standards Service, Federal Aviation Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd., Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082 Oklahoma City, OK. 73125) telephone: (405) 954-4164.

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

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

## THE RULE

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

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

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

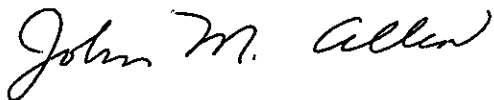
## CONCLUSION

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

List of Subjects in 14 CFR part 97:

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

Issued in Washington, DC on May 28, 2010.



John M. Allen  
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

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

Part 97 - Standard Instrument Approach Procedures

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

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

2. Part 97 is amended to read as follows:

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

<b>AIRAC DATE</b>	<b>STATE</b>	<b>CITY</b>	<b>AIRPORT</b>	<b>FDC NUMBER</b>	<b>FDC DATE</b>	<b>SUBJECT</b>
1-Jul-10	CO	LAMAR	LAMAR MUNI	0/0468	5/18/10	VOR/DME RWY 36, AMDT 1A
1-Jul-10	CO	LAMAR	LAMAR MUNI	0/0469	5/18/10	VOR RWY 18, AMDT 10A
1-Jul-10	OR	LA GRANDE	LA GRANDE/UNION COUNTY	0/0738	5/18/10	RNAV (GPS) RWY 16, ORIG
1-Jul-10	AZ	PHOENIX	PHOENIX SKY HARBOR INTL	0/0955	5/18/10	ILS OR LOC RWY 7L, AMDT 10C
1-Jul-10	WA	SEATTLE	BOEING FIELD/KING COUNTY INTL	0/0957	5/18/10	ILS RWY 31L, AMDT 1
1-Jul-10	AZ	WINDOW ROCK	WINDOW ROCK	0/0964	5/18/10	RNAV (GPS) RWY 2, ORIG-A
1-Jul-10	AZ	WINDOW ROCK	WINDOW ROCK	0/0965	5/18/10	RNAV (GPS) B, ORIG-A
1-Jul-10	OR	THE DALLES	COLUMBIA GORGE REGIONAL/THE DALLES MUNI	0/5531	5/18/10	TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 2
1-Jul-10	CA	WILLOWS	WILLOWS-GLENN COUNTY	0/9850	5/18/10	TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 1
29-Jul-10	NY	DUNKIRK	CHAUTAUQUA COUNTY/DUNKIRK	0/1647	5/25/10	VOR RWY 6, AMDT 2
29-Jul-10	NY	DUNKIRK	CHAUTAUQUA COUNTY/DUNKIRK	0/1648	5/25/10	VOR RWY 24, AMDT 7
29-Jul-10	MS	INDIANOLA	INDIANOLA MUNI	0/1932	5/24/10	VOR/DME A, AMDT 9
29-Jul-10	AL	CLANTON	CHILTON COUNTY	0/1945	5/24/10	NDB OR GPS RWY 26, ORIG

**AIRAC Date: 01 July 2010**

FDC 0/0468 LAA FI/P LAMAR MUNI, LAMAR, CO. VOR/DME RWY 36, AMDT 1A...CIRCLING MDA 4420/HAA 714 ALL CATS. VIS CAT C 2, CAT D 2 1/4. CHART NOTE: PROCEDURE NA AT NIGHT. TDZE: 3706 APT ELEV: 3706 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS VOR/DME RWY 36, AMDT 1B.

FDC 0/0469 LAA FI/P LAMAR MUNI, LAMAR, CO. VOR RWY 18, AMDT 10A...DME MINIMA S-18 MDA 4260/HAT 565 ALL CATS. VIS CAT C 1 1/2, CAT D 1 3/4. CIRCLING MDA 4420/HAA 714 ALL CATS. VIS CAT C 2, CAT D 2 1/4. CHART NOTE: PROCEDURE NA AT NIGHT. TDZE: 3695 APT ELEV: 3706 THIS IS VOR RWY 18, AMDT 10B.

FDC 0/0738 LGD FI/P LA GRANDE/UNION COUNTY, LA GRANDE, OR. RNAV (GPS) RWY 16, ORIG...LPV DA 4176/HAT 1459 ALL CATS LNAV MDA 4440/HAT 1723 ALL CATS CIRCLING VIS CAT A 1 1/4, CAT B 1 1/2, CATS C/D 3. TDZE 2717 THIS IS RNAV (GPS) RWY 16, ORIG-A.

FDC 0/0955 PHX FI/P PHOENIX SKY HARBOR INTL, PHOENIX, AZ. ILS OR LOC RWY 7L, AMDT 10C...ALTERNATE MINIMUMS: ILS, CAT A, B, C, 700-2; CAT D 800-2 1/2. LOC STANDARD, CAT D, 800-2 1/2. THIS IS ILS OR LOC RWY 7L, AMDT 10D.

FDC 0/0957 BFI FI/P BOEING FIELD/KING COUNTY INTL, SEATTLE, WA. ILS RWY 31L, AMDT 1...S-ILS 31L DA 428/HAT 407 ALL CATS. VIS 1 1/2 ALL CATS. S-LOC 31L HAT 679 ALL CATS. CIRCLING HAA CAT A 759, CAT B 819, CAT C 839, CAT D 939. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. GS ALT AT: DUANE INT/I-CHJ 4.78 DME/RADAR 1743. TCH 49.4. TDZE 21. APT ELEV 21. THIS IS ILS OR LOC RWY 31L, AMDT 1A.

FDC 0/0964 RQE FI/P WINDOW ROCK, WINDOW ROCK, AZ. RNAV (GPS) RWY 2, ORIG-A...DELETE NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHANGE ALTERNATE MINIMUMS NA TO ALTERNATE MINIMUMS STANDARD, CAT C 800-2 1/4. THIS IS RNAV (GPS) RWY 2, ORIG-B.

FDC 0/0965 RQE FI/P WINDOW ROCK, WINDOW ROCK, AZ. RNAV (GPS) B, ORIG-A...DELETE NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHANGE ALTERNATE MINIMUMS NA TO ALTERNATE MINIMUMS, CAT A, B 1000-2, CAT C 1000-3. THIS IS RNAV (GPS) B , ORIG-B.

FDC 0/5531 DLS FI/P COLUMBIA GORGE REGIONAL/THE DALLES MUNI, THE DALLES, OR. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2...DELETE ALL REFERENCES TO RWY 2 AND 20, REST OF DATA REMAINS THE SAME. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 2A.

FDC 0/9850 WLW FI/P WILLOWS-GLENN COUNTY, WILLOWS, CA. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1 ... DEPARTURE PROCEDURE: RWY 16, CLIMB HEADING 161.20. NOTE: RWY 34, POLE 917 FEET FROM DEPARTURE END OF RUNWAY, 404 FEET RIGHT OF CENTERLINE, 55 AGL/193 MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 1A.

**AIRAC Date: 29 July 2010**

FDC 0/1647 DKK FI/P CHAUTAUQUA COUNTY/DUNKIRK, DUNKIRK, NY. VOR RWY 6, AMDT 2...CHART VDP AT 2.08 DME, DISTANCE VDP TO THLD 1.89 MILES. THIS IS VOR RWY 6, AMDT 2A.

FDC 0/1648 DKK FI/P CHAUTAUQUA COUNTY/DUNKIRK, DUNKIRK, NY. VOR RWY 24, AMDT 7...DME MINIMUMS: S-24 MDA 1160/HAT 484 ALL CATS. CHANGE FAS OBST TO 896 TOWER 422957.25N/0791330.43W. THIS IS VOR RWY 24, AMDT 7A

FDC 0/1932 IDL FI/P INDIANOLA MUNI, INDIANOLA, MS. VOR/DME A, AMDT 9...CHANGE MISSED APPROACH TO READ: CLIMB TO 900, THEN CLIMBING RIGHT TURN TO 1700 ON SQS VORTAC R-271 TO BAIRD/16.50 DME AND HOLD. CHART GREENVILLE ASOS. CHANGE ALTIMETER SETTING NOTE TO READ: USE GREENVILLE ALTIMETER SETTING; WHEN NOT RECEIVED, USE GREENWOOD ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND CIRCLING CAT D VISIBILITY 1/4 MILE. THIS IS VOR/DME A, AMDT 9A.

FDC 0/1945 02A FI/P CHILTON COUNTY, CLANTON, AL. NDB OR GPS RWY 26, ORIG...CIRCLING MDA 1340/HAA 755 ALL CATS, VIS CAT B 1 1/4, CAT C 2 1/4. CHART PLANVIEW NOTE: RADAR REQUIRED. DELETE TERMINAL ROUTE WALTY TO GGY NDB. DELETE TERMINAL ROUTE KYLEE TO GGY NDB. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. MSA GGY NDB 25 NM 2700. CHANGE ALL REFERENCE TO GRAGG-WADE FIELD TO CHILTON COUNTY. THIS IS NDB OR GPS RWY 26, ORIG-A.