U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 13-23 **September 27, 2013**

**PREPARED BY THE PRODUCT SUPPORT GROUP, AJV-34
(AVAILABLE ON THE WEB AT 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. 30923; Amdt. No. 3558]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

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

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

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

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

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

For Examination-

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

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

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

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

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

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

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

FOR FURTHER INFORMATION CONTACT: Richard A. Dunham III, Flight Procedure Standards Branch (AFS-420), Flight Technologies and Programs Divisions, Flight Standards Service, Federal Aviation

Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd. Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082, Oklahoma City, OK 73125) Telephone: (405) 954-4164. SUPPLEMENTARY INFORMATION: This rule amends Title 14 of the Code of Federal Regulations, Part 97 (14 CFR part 97), by establishing, amending, suspending, or revoking SIAPS, Takeoff Minimums and/or ODPS. The complete regulators description of each SIAP and its associated Takeoff Minimums or ODP for an identified airport is listed on FAA form documents which are incorporated by reference in this amendment under 5 U.S.C. 552(a), 1 CFR part 51, and 14 CFR part 97.20. The applicable FAA Forms are FAA Forms 8260-3, 8260-4, 8260-5, 8260-15A, and 8260-15B when required by an entry on 8260-15A.

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

THE RULE

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

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

CONCLUSION

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

List of Subjects in 14 CFR part 97:

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

Issued in Washington, DC on SEPTEMBER 27, 2013.

John Duncan
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) is amended by establishing, amending, suspending, or 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 14 NOVEMBER 2013

Malvern, AR, Malvern Muni, RNAV (GPS) RWY 22, Orig-A
Daggett, CA, Barstow-Daggett, RNAV (GPS) RWY 26, Amdt 2A
Jacksonville, FL, Jacksonville Intl, RNAV (RNP) Y RWY 26, Amdt 1
Mount Sterling, KY, Mount Sterling-Montgomery County, NDB RWY 21, Amdt 2A
Ludington, MI, Mason County, RNAV (GPS) RWY 8, Orig-A
Duluth, MN, Duluth Intl, COPTER ILS OR LOC RWY 27, Amdt 2
Duluth, MN, Duluth Intl, ILS OR LOC RWY 9, ILS RWY 9 (SA CAT I), ILS RWY 9 (CAT II), Amdt 22
Duluth, MN, Duluth Intl, ILS OR LOC RWY 27, Amdt 10
Duluth, MN, Duluth Intl, VOR/DME OR TACAN RWY 21, Amdt 15
Duluth, MN, Duluth Intl, VOR OR TACAN RWY 3, Amdt 21
Mountain View, MO, Mountain View, RNAV (GPS) RWY 10, Orig-A
Mountain View, MO, Mountain View, RNAV (GPS) RWY 28, Orig-A
Reno, NV, Reno/Tahoe Intl, RNAV (RNP) Y RWY 16L, Amdt 1
Reno, NV, Reno/Tahoe Intl, RNAV (RNP) Y RWY 16R, Amdt 1
Waverly, OH, Pike County, RNAV (GPS) RWY 7, Orig-A
Woodsfield, OH, Monroe County, RNAV (GPS) RWY 25, Orig
Woodsfield, OH, Monroe County, VOR/DME RWY 25, Amdt 7
Anderson, SC, Anderson Rgnl, RNAV (GPS) RWY 17, Amdt 1
Anderson, SC, Anderson Rgnl, RNAV (GPS) RWY 35, Amdt 1
Madison, WI, Dane County Rgnl-Truax Field, ILS OR LOC/DME RWY 18, Amdt 1C
Madison, WI, Dane County Rgnl-Truax Field, RNAV (GPS) RWY 14, Amdt 2B
Madison, WI, Dane County Rgnl-Truax Field, RNAV (GPS) RWY 18, Amdt 2B
Madison, WI, Dane County Rgnl-Truax Field, RNAV (GPS) RWY 32, Amdt 2B
Martinsburg, WV, Eastern WV Rgnl/Shepherd Fld, RNAV (GPS) RWY 8, Amdt 1
Martinsburg, WV, Eastern WV Rgnl/Shepherd Fld, VOR-A, Amdt 10

Effective 12 DECEMBER 2013

Fort Yukon, AK, Fort Yukon, DF RWY 22, Amdt 1, CANCELED
Fort Yukon, AK, Fort Yukon, RNAV (GPS) RWY 4, Amdt 1
Fort Yukon, AK, Fort Yukon, RNAV (GPS) RWY 22, Amdt 1
Fort Yukon, AK, Fort Yukon, VOR/DME OR TACAN RWY 22, Amdt 3
Fort Yukon, AK, Fort Yukon, VOR/DME OR TACAN-A, Amdt 1
Destin, FL, Destin-Fort Walton Beach, RNAV (GPS) RWY 14, Amdt 2
Carmi, IL, Carmi Muni, RNAV (GPS) RWY 36, Orig-A
Belleville, KS, Belleville Muni, NDB RWY 18, Amdt 5, CANCELED
Belleville, KS, Belleville Muni, NDB RWY 36, Amdt 5, CANCELED
Old Town, ME, Dewitt Fld,Old Town Muni, NDB RWY 22, Amdt 6A

Fort Leonard Wood, MO, Waynesville-St. Robert Rgnl Forney Fld, NDB/DME RWY 14, Amdt 1B, CANCELED
Laurel, MT, Laurel Muni, Takeoff Minimums and Obstacle DP, Amdt 3
Trenton, NJ, Trenton Mercer, RNAV (GPS) Z RWY 24, Amdt 1
The Dalles, OR, Columbia Gorge Rgnl/The Dalles Muni, COPTER LDA/DME RWY 25, Amdt 1
The Dalles, OR, Columbia Gorge Rgnl/The Dalles Muni, LDA/DME RWY 25, Amdt 1
The Dalles, OR, Columbia Gorge Rgnl/The Dalles Muni, RNAV (GPS)-A, Amdt 1
Gillette, WY, Gillette-Campbell County, Takeoff Minimums and Obstacle DP, Amdt 4A

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HERID	JODGA (FB)	293.00 / 11.78	2500
JODGA (IAF)	WOTDO (NOPT) (FB)	314.09 / 5.00	2500
TAYUV (IAF)	WOTDO (NOPT) (FB)	133.99 / 7.69	2500
WOTDO (IF/IAF)	AHEWY (FB)	224.05 / 6.94	1900
AHEWY (FAF)	RW22 (MAP) (FO)	213.85 / 4.12	
RW22 (MAP)	938 MSL	213.85	
938 MSL	WOTDO (FO)		2500

MISSED APPROACH

LNAV: RW22

CLIMBING LEFT TURN TO 2500 DIRECT WOTDO AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 649 TREE 342019N/0924530W

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE WOTDO, RT, 224.05 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 213.85 FAF: AHEWY DIST FAF TO MAP: 4.12 THLD: 4.12
4. MIN. ALT: WOTDO 2500, AHEWY 1900
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW22 3300

MAG VAR: 4E EPOCH YEAR: 1985

MINIMUMS

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

ALTERNATE: N A X

CATEGORY ======>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	960	1	422	960	1	422		NA			NA				
CIRCLING	1000	1	462	1000	1	462		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: USE HOT SPRINGS ALTIMETER SETTING; WHEN NOT RECEIVED, USE BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 538 TDZE: 538 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MALVERN, AR	MALVERN MUNI	RNAV	RNAV (GPS) RWY 22, ORIG-A 14 NOVEMBER 2013	AMDT: ORIG DATED 05/10/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport 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 AT NIGHT.
CHART PROFILE NOTE: DESCENT ANGLE NA.

CITY AND STATE	ELEVATION: 538 TDZE: 538	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MALVERN, AR	AIRPORT NAME: **MALVERN MUNI**	**RNAV**	**RNAV (GPS) RWY 22, ORIG-A** 14 NOVEMBER 2013	AMDT: **ORIG**
				DATED: **05/10/2007**

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

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AHEWY K40    W     N34232483W092422952                      E0010     NAR           AHEWY
        SUSAEAENRT   HERID K40    C   L N34185957W092193197                      E0007     NAR           HERID
        SUSAEAENRT   JODGA K40    W     N34242031W092321284                      E0009     NAR           JODGA
        SUSAEAENRT   TAYUV K40    C   L N34334752W092422874                      E0010     NAR           TAYUV
        SUSAEAENRT   WOTDO K40    W     N34280388W092361521                      E0009     NAR           WOTDO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP M78 K4AM78     0     031YHN34195994W092454140E004000538         1800018000C    MNAR    MALVERN MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP M78 K4FR22   AHERID 010HERIDK4EA0E       IF                                                18000                 B JS
        SUSAP M78 K4FR22   AHERID 020JODGAK4EA0E  A 020TF                      29300118    + 02500                             B JS
        SUSAP M78 K4FR22   AHERID 030WOTDOK4EA0EE B 010TF                      31410050    + 02500                             B JS
        SUSAP M78 K4FR22   ATAYUV 010TAYUVK4EA0E  A    IF                                                18000                 B JS
        SUSAP M78 K4FR22   ATAYUV 020WOTDOK4EA0EE B 010TF                      13400077    + 02500                             B JS
        SUSAP M78 K4FR22   AWOTDO 010WOTDOK4EA0EE AR   HF                      22410050    + 02500     18000                   B JS
        SUSAP M78 K4FR22   R      010WOTDOK4EA0E  I    IF                                 + 02500     18000                   B JS
        SUSAP M78 K4FR22   R      020AHEWYK4EA1E  F 051TF                      22410069    + 01900                  RW22  K4PGB JS
        SUSAP M78 K4FR22   R      020AHEWYK4EA2WN          N          ALNAV                                                      JS
        SUSAP M78 K4FR22   R      030RW22 K4PG0GY M 031TF                      21390041      00960              000           B JS
        SUSAP M78 K4FR22   R      040         0  M     CA                      2139        + 00938                             B JS
        SUSAP M78 K4FR22   R      050WOTDOK4EA0EY  L   DF                                 + 02500                             B JS
        SUSAP M78 K4FR22   R      060WOTDOK4EA0EE  R   HM                      22410050    + 02500                             B JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP M78 K4GRW22    0031882138 N34200946W092453249+0200    +0136200533037600060R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP M78 K4SRW22 K4PG                0   18018003325                                                                        M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 538 TDZE: 538	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MALVERN, AR	AIRPORT NAME: MALVERN MUNI	RNAV	RNAV (GPS) RWY 22, ORIG-A 14 NOVEMBER 2013	AMDT: ORIG DATED: 05/10/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HERID	HERID	010		IF		FB					
	HERID	JODGA	020	IAF	TF		FB	2.0	293.0(297.0T)	011.8	AA 02500	
	HERID	WOTDO	030		TF		FB	1.0	314.1(318.1T)	005.0	AA 02500	
	TAYUV	TAYUV	010	IAF	IF		FB					
	TAYUV	WOTDO	020		TF		FB	1.0	134.0(138.0T)	007.7	AA 02500	
	WOTDO	WOTDO	010	IAF	HF	R	FO		224.1(228.1T)	005.0	AA 02500	
		WOTDO	010	FACF	IF		FB				AA 02500	
		AHEWY	020	FAF	TF		FB	0.5	224.1(228.1T)	006.9	AA 01900	
		RW22	030	MAP	TF		FO	0.3	213.9(217.9T)	004.1	AT 00960	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		213.9(217.9T)		AA 00938	
	WOTDO	050		DF	L	FO				AA 02500	
	WOTDO	060		HM	R	FO		224.1(228.1T)	005.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AHEWY	N342324.83	W0924229.52	N3423.414	W09242.492
	HERID	N341859.57	W0921931.97	N3418.993	W09219.533
	JODGA	N342420.31	W0923212.84	N3424.339	W09232.214
	TAYUV	N343347.52	W0924228.74	N3433.792	W09242.479
	WOTDO	N342803.88	W0923615.21	N3428.065	W09236.254
	RW22	N342009.46	W0924532.49	N3420.158	W09245.542

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	00533	00

CITY AND STATE	ELEVATION: **538** **TDZE: 538**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MALVERN, AR	AIRPORT NAME: **MALVERN MUNI**	**RNAV**	**RNAV (GPS) RWY 22, ORIG-A** 14 NOVEMBER 2013	AMDT: **ORIG**
				DATED: **05/10/2007**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DISBE	CILES (FB)	196.06 / 13.79	6000
TEELE	CILES (FB)	209.71 / 11.36	6000
CILES (IAF)	DOGSE (FB)	174.19 / 4.34	4700
DOGSE (IF)	CABAM (FB)	255.14 / 6.00	3800
CABAM (FAF)	HITBU/3.30 NM TO RW26 (FB)	255.08 / 2.38	
HITBU/3.30 NM TO RW26	RW26 (MAP) (FO)	255.08 / 3.30	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV: RW26

CLIMB TO 8000 DIRECT AMAKE AND ON TRACK 270.05 TO BINTE AND ON TRACK 192.06 TRACK TO NULMN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8000.

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 067.40 INBOUND.
CHART FAS OBST: 2339 TREE 344944N/1164322W
DISTANCE TO THLD FROM 299 HAT: 0.80 NM.
CHART VDP AT 2.31 MILES TO RW26*
*LNAV ONLY.
WAAS CHANNEL # 72813
REFERENCE PATH ID: W26A
LTP HAE: 550.4 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT DOGSE
3. FAC: 255.08 FAF: CABAM DIST FAF TO MAP: 5.68 THLD: 5.68
4. MIN. ALT: DOGSE 4700, CABAM 3800, HITBU/3.30 NM TO RW26 3020*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3800 GS ALT AT: CABAM 3800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR
8. MSA FROM: RW26 7600

MAG VAR: 15E EPOCH YEAR: 1975

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA**	2217	1	299	2217	1	299	2217	1	299	2217	1	299			
LPV DA	2438	1 3/4	520	2438	1 3/4	520	2438	1 3/4	520	2438	1 3/4	520			
LNAV MDA	2700	1	782	2700	1 1/4	782	2700	2 1/4	782	2700	2 1/2	782			
CIRCLING	2700	1	770	2780	1 1/4	850	2860	2 3/4	930	2860	3	930			

NOTES:
CHART NOTE: **MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 220 FEET PER NM TO 8000.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
(SEE FORM 8260-10)

@ CAT B 900-2, CAT C 1000-2 3/4, CAT D 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1930 TDZE: 1918	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DAGGETT, CA	AIRPORT NAME: BARSTOW-DAGGETT	RNAV	RNAV (GPS) RWY 26, AMDT 2A 14 NOVEMBER 2013	AMDT: 2
				DATED 07/29/2010

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW26 (MAP)	2217 MSL	255.08	
2217 MSL	AMAKE (FB)		
AMAKE	BINTE (FB)	270.05 / 7.98	
BINTE	NULMN (FO)	192.06 / 10.00	8000

NOTES, (CONT.):
CHART NOTE: VDP NA WHEN USING VICTORVILLE ALTIMETER SETTING.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VICTORVILLE ALTIMETER SETTING AND INCREASE ALL DA 211 FEET AND ALL MDA 220 FEET. INCREASE LPV DA**CATS A/B/C 1/4 MILE. CAT D 1/2 MILE. INCREASE LPV DA ALL CATS VISIBILITY 3/4 MILE, LNAV CATS A/B 1/4 MILE, CAT C 3/4 MILE, CAT D 1/2 MILE, CIRCLING CAT A/B/C 1/4 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TEELE ON V587 NORTHEAST BOUND AND FOR ARRIVALS AT DISBE ON V394 NORTHEAST BOUND.
CHART NOTE: CIRCLING NA FOR CAT D SOUTH OF RWY 8 - 26.

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDAG
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	345105.3395N
LTP/FTP LONGITUDE	1164635.4010W
LTP/FTP ELLIPSOIDAL HEIGHT	+05504
FPAP LATITUDE	345105.3400N
FPAP LONGITUDE	1164823.6600W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0800
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	001CF875

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+05817
FPAP ORTHOMETRIC HEIGHT	+05817

QUALITY

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AMAKE K20    W     N34510538W116490304                    E0122     NAR          AMAKE
        SUSAEAENRT   BINTE K20    W     N34530946W116582477                    E0123     NAR          BINTE
        SUSAEAENRT   CABAM K20    W     N34510508W116394153                    E0122     NAR          CABAM
        SUSAEAENRT   CILES K20    W     N34552188W116313336                    E0122     NAR          CILES
        SUSAEAENRT   DISBE K20    C   L N35071220W116225422                    E0122     NAR          DISBE
        SUSAEAENRT   DOGSE K20    W     N34510439W116322389                    E0122     NAR          DOGSE
        SUSAEAENRT   HITBU K20    W     N34510524W116423482                    E0122     NAR          HITBU
        SUSAEAENRT   NULMN K20    C   L N34441414W117035595                    E0123     NAR          NULMN
        SUSAEAENRT   TEELE K20    C   L N35032747W116215012                    E0122     NAR          TEELE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDAGK2ADAG     0     064YHN34511340W116471210E015001930          1800018000C    MNAR     BARSTOW-DAGGETT

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDAGK2FR26   ADISBE 010DISBEK2EA0E       IF                                          18000                A JS
        SUSAP KDAGK2FR26   ADISBE 020CILESK2EA0E  A 020TF                    19610138    + 06000                      A JS
        SUSAP KDAGK2FR26   ADISBE 030DOGSEK2EA0EE B 010TF                    17420043    + 04700                      A JS
        SUSAP KDAGK2FR26   ATEELE 010TEELEK2EA0E       IF                                          18000                A JS
        SUSAP KDAGK2FR26   ATEELE 020CILESK2EA0E  A 020TF                    20970114    + 06000                      A JS
        SUSAP KDAGK2FR26   ATEELE 030DOGSEK2EA0EE B 010TF                    17420043    + 04700                      A JS
        SUSAP KDAGK2FR26   R      010DOGSEK2EA0E  I    IF                                + 04700     18000            A JS
        SUSAP KDAGK2FR26   R      020CABAMK2EA1E  F 051TF                    25510060    + 03800                RW26  K2PGA JS
        SUSAP KDAGK2FR26   R      020CABAMK2EA2WALPV       N          ALNAV                                          JS
        SUSAP KDAGK2FR26   R      021HITBUK2EA0E S  031TF                    25510024    V 0302003025       -300        A JS
        SUSAP KDAGK2FR26   R      030RW26 K2PG0GY M 031TF                    25510033      01964            -300        A JS
        SUSAP KDAGK2FR26   R      040         0  M     CA                    2551        + 02217                      A JS
        SUSAP KDAGK2FR26   R      050AMAKEK2EA0E       DF                                                           A JS
        SUSAP KDAGK2FR26   R      060BINTEK2EA0E    010TF                    2701                                      A JS
        SUSAP KDAGK2FR26   R      070NULMNK2EA0EY   010TF                    1921        + 08000                      A JS
        SUSAP KDAGK2FR26   R      080NULMNK2EA0EE  R   HM                    06740070    + 08000                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDAGK2GRW26    0064022550 N34510534W116463540+0300    +055040190900005515OR

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

CITY AND STATE	ELEVATION: **1930** **TDZE: 1918**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DAGGETT, CA	AIRPORT NAME: **BARSTOW-DAGGETT**	**RNAV**	**RNAV (GPS) RWY 26, AMDT 2A** 14 NOVEMBER 2013	AMDT: **2**
				DATED: **07/29/2010**

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

```
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDAGK2PR26   RW26 001 0000W26A0N3451053395W11646354010+055040300N3451053400W116482366001067508000005 50F400500001CF875
        SUSAP KDAGK2PR26   RW26 002E      +05817+05817LPV       72813
                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDAGK2SRW26 K2PG                0   18018007625                                                                          M
```

QUALITY CHECKED 9

CITY AND STATE	ELEVATION: 1930 TDZE: 1918	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DAGGETT, CA	AIRPORT NAME: BARSTOW-DAGGETT	RNAV	RNAV (GPS) RWY 26, AMDT 2A 14 NOVEMBER 2013	AMDT: 2 DATED: 07/29/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DISBE	DISBE	010		IF		FB					
	DISBE	CILES	020	IAF	TF		FB	2.0	196.1(211.1T)	013.8	AA 06000	
	DISBE	DOGSE	030		TF		FB	1.0	174.2(189.2T)	004.3	AA 04700	
	TEELE	TEELE	010		IF		FB					
	TEELE	CILES	020	IAF	TF		FB	2.0	209.7(224.7T)	011.4	AA 06000	
	TEELE	DOGSE	030		TF		FB	1.0	174.2(189.2T)	004.3	AA 04700	
		DOGSE	010	FACF	IF		FB				AA 04700	
		CABAM	020	FAF	TF		FB	0.5	255.1(270.1T)	006.0	AA 03800	
		HITBU	021	SDF	TF		FB	0.3	255.1(270.1T)	002.4	AA 03020	GS 03025
		RW26	030	MAP	TF		FO	0.3	255.1(270.1T)	003.3	AT 01964	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		255.1(270.1T)		AA 02217	
	AMAKE	050		DF		FB					
	BINTE	060		TF		FB	1.0	270.1(285.1T)			
	NULMN	070		TF		FO	1.0	192.1(207.1T)		AA 08000	
	NULMN	080		HM	R	FO		067.4(082.4T)	007.0	AA 08000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AMAKE	N345105.38	W1164903.04	N3451.090	W11649.051
	BINTE	N345309.46	W1165824.77	N3453.158	W11658.413
	CABAM	N345105.08	W1163941.53	N3451.085	W11639.692
	CILES	N345521.88	W1163133.36	N3455.365	W11631.556
	DISBE	N350712.20	W1162254.22	N3507.203	W11622.904
	DOGSE	N345104.39	W1163223.89	N3451.073	W11632.398
	HITBU	N345105.24	W1164234.82	N3451.087	W11642.580
	NULMN	N344414.14	W1170355.95	N3444.236	W11703.933
	TEELE	N350327.47	W1162150.12	N3503.458	W11621.835
	RW26	N345105.34	W1164635.40	N3451.089	W11646.590

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	01909	55

CITY AND STATE	ELEVATION: 1930 TDZE: 1918	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DAGGETT, CA	AIRPORT NAME: **BARSTOW-DAGGETT**	**RNAV**	**RNAV (GPS) RWY 26, AMDT 2A** 14 NOVEMBER 2013	AMDT: **2**
				DATED: **07/29/2010**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EGAGE (IF)	ADUYA (TF) (FB) (RNP 1.00)	076.54 / 3.09	3100
ADUYA	DABBI (RF) (FB) (RNP 1.00)	(2.30 NM RADIUS CW (CFVVH))/2.13	2600
NANAA (IF)	DABBI (TF) (FB) (RNP 1.00)	129.55 / 4.07	2600
DABBI	XIVXU (RF) (FB) (RNP 1.00)	(2.30 NM RADIUS CW (CFVVH))/3.69	1500
LAYON (IF)	XIVXU (TF) (FB) (RNP 1.00)	221.49 / 4.56	1500
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 2000 ON TRACK 256.56 TO UDAQI AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT JAAGS
3. FAC: 256.59 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: JAAGS 1100
5. DIST TO THLD FROM OM: 3.22 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1100 GS ALT AT: JAAGS 1100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 49.0# 34:1 IS CLEAR
8. MSA FROM: RW26 2700

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 076.43 INBOUND.
CHART MAYPORT LOW/HIGH MOA.
DISTANCE TO THLD FROM 373 HATH: 1.02 NM.
ROUTE TYPE: A,H
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
TCH 75.1 MSL (DO NOT CHART)
CHART MANDATORY 4000 AT EGAGE.
CHART MANDATORY 3000 AT LAYON.
CHART MANDATORY 3000 AT YEJWO.
CHART MANDATORY 4000 AT GUTNE.
CHART MANDATORY 4000 AT NANAA.

MAG VAR: 6W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.30 DA	399	4000	373	399	4000	373	399	4000	373	399	4000	373			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -5C (23F) OR ABOVE 54C (130F).
CHART NOTE: GPS REQUIRED.
CHART PLANVIEW NOTE AT NANAA : MAX 210 KIAS.
CHART PLANVIEW NOTE AT EGAGE : MAX 210 KIAS.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 29 THRE: 26 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
JACKSONVILLE, FL	JACKSONVILLE INTL	RNAV	RNAV (RNP) Y RWY 26, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG DATED 01/10/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
XIVXU	JAAGS (RF) (FB) (RNP 0.70)	(2.30 NM RADIUS CW (CFVVH))/1.41	1100
YEJWO (IF)	DEYER (TF) (FB) (RNP 1.00)	256.67 / 5.25	1800
DEYER	JAAGS (TF) (FB) (RNP 1.00)	256.62 / 3.00	1100
GUTNE (IF)	ZALAM (TF) (FB) (RNP 1.00)	032.39 / 4.22	2700
ZALAM	JAAGS (RF) (FB) (RNP 1.00)	(2.26 NM RADIUS CCW (CFVVJ))/5.36	1100
JAAGS (FAF)	RW26 (MAP) (TF) (FO)	256.59 / 3.22	
RW26 (MAP)	UDAQI (TF)(FO)(RNP 1.00)	256.56 / 14.09	2000

NOTES, (CONT.):
CHART PLANVIEW NOTE AT YEJWO : MAX 210 KIAS.
CHART PLANVIEW NOTE AT GUTNE : MAX 210 KIAS.
CHART PLANVIEW NOTE AT LAYON : MAX 210 KIAS.
CHART PLANVIEW NOTE ADJACENT TO EGAGE: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO LAYON: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO GUTNE: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO NANAA: RF REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/4 MILE.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PLANVIEW NOTE ADJACENT TO EGAGE, NANAA, LAYON: RNP 0.70.

CITY AND STATE	ELEVATION: 29 THRE: 26	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JACKSONVILLE, FL	AIRPORT NAME: JACKSONVILLE INTL	RNAV	RNAV (RNP) Y RWY 26, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG
				DATED: 01/10/2013

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ADUYA K70    W     N30354459W081382765                    W0062     NAR           ADUYA
        SUSAEAENRT   CFVVH K70    W     N30333417W081373438                    W0062     NAR           CNF(CFVVH)
        SUSAEAENRT   CFVVJ K70    W     N30291552W081354911                    W0062     NAR           CNF(CFVVJ)
        SUSAEAENRT   DABBI K70    W     N30352939W081360593                    W0062     NAR           DABBI
        SUSAEAENRT   DEYER K70    W     N30322363W081332470                    W0062     NAR           DEYER
        SUSAEAENRT   EGAGE K70    W     N30344278W081415004                    W0061     NAR           EGAGE
        SUSAEAENRT   GUTNE K70    W     N30242753W081353895                    W0062     NAR           GUTNE
        SUSAEAENRT   JAAGS K70    W     N30312371W081364127                    W0062     NAR           JAAGS
        SUSAEAENRT   LAYON K70    W     N30355707W081322042                    W0062     NAR           LAYON
        SUSAEAENRT   NANAA K70    W     N30374474W081400179                    W0061     NAR           NANAA
        SUSAEAENRT   UDAQI K70    W     N30253640W081553399                    W0059     NAR           UDAQI
        SUSAEAENRT   XIVXU K70    W     N30321387W081352426                    W0062     NAR           XIVXU
        SUSAEAENRT   YEJWO K70    W     N30340830W081274043                    W0063     NAR           YEJWO
        SUSAEAENRT   ZALAM K70    W     N30281509W081332855                    W0062     NAR           ZALAM

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJAXK7AJAX     0     100YHN30293860W081411620W006000029         18000018000C    MNAR    JACKSONVILLE INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJAXK7FH26-Y AEGAGE 010EGAGEK7EA0E  B    IF                                  04000    18000210              A-FS
        SUSAP KJAXK7FH26-Y AEGAGE 020ADUYAK7EA0E    010TF                               + 03100                        A FS
        SUSAP KJAXK7FH26-Y AEGAGE 030DABBIK7EA0E   R010RF      0023000765    12960021   + 02600              CFVVH K7EAA FS
        SUSAP KJAXK7FH26-Y AEGAGE 040XIVXUK7EA0E   R010RF      0023001296    22150037   + 01500              CFVVH K7EAA FS
        SUSAP KJAXK7FH26-Y AEGAGE 050JAAGSK7EA0EE  R071RF      0023002215    25660014   + 01100              CFVVH K7EAA FS
        SUSAP KJAXK7FH26-Y AGUTNE 010GUTNEK7EA0E  B    IF                                  04000    18000210              A-FS
        SUSAP KJAXK7FH26-Y AGUTNE 020ZALAMK7EA0E    010TF                               + 02700                        A FS
        SUSAP KJAXK7FH26-Y AGUTNE 030JAAGSK7EA0EE  L010RF      0022600324    25660054   + 01100              CFVVJ K7EAA FS
        SUSAP KJAXK7FH26-Y ALAYON 010LAYONK7EA0E  B    IF                                  03000    18000210              A-FS
        SUSAP KJAXK7FH26-Y ALAYON 020XIVXUK7EA0E    010TF                               + 01500                        A FS
        SUSAP KJAXK7FH26-Y ALAYON 030JAAGSK7EA0EE  R071RF      0023002215    25660014   + 01100              CFVVH K7EAA FS
        SUSAP KJAXK7FH26-Y ANANAA 010NANAAK7EA0E  B    IF                                  04000    18000210              A-FS
        SUSAP KJAXK7FH26-Y ANANAA 020DABBIK7EA0E    010TF                               + 02600                        A FS
        SUSAP KJAXK7FH26-Y ANANAA 030XIVXUK7EA0E   R010RF      0023001296    22150037   + 01500              CFVVH K7EAA FS
        SUSAP KJAXK7FH26-Y ANANAA 040JAAGSK7EA0EE  R071RF      0023002215    25660014   + 01100              CFVVH K7EAA FS
        SUSAP KJAXK7FH26-Y AYEJWO 010YEJWOK7EA0E  B    IF                                  03000    18000210              A-FS
        SUSAP KJAXK7FH26-Y AYEJWO 020DEYERK7EA0E    010TF                               + 01800                        A FS
        SUSAP KJAXK7FH26-Y AYEJWO 030JAAGSK7EA0EE   010TF                               + 01100                        A FS
```

CITY AND STATE	ELEVATION: 29 THRE: 26	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSONVILLE, FL	AIRPORT NAME: JACKSONVILLE INTL	RNAV	RNAV (RNP) Y RWY 26, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG
				DATED: 01/10/2013

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

```
        SUSAP KJAXK7FH26-Y H      020JAAGSK7EA1E  F    IF                                  + 01100     18000       RW26  K7PGA FS
        SUSAP KJAXK7FH26-Y H      020JAAGSK7EA2W                                                A031                          FS
        SUSAP KJAXK7FH26-Y H      030RW26 K7PG0GY M 031TF                                    00075             -300          A FS
        SUSAP KJAXK7FH26-Y H      040UDAQIK7EA0EYM  010TF                                  + 02000                          A FS
        SUSAP KJAXK7FH26-Y H      050UDAQIK7EA0EE  R   HM                       07640040   + 02000                          A FS
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJAXK7GRW26    0100002566 N30301934W081401210+0000    -0020300026000049150IIPEK1
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJAXK7SRW26 K7PG                0   18018002725                                                                    M
```

CITY AND STATE	ELEVATION: 29 THRE: 26	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSONVILLE, FL	AIRPORT NAME: JACKSONVILLE INTL	RNAV	RNAV (RNP) Y RWY 26, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG DATED: 01/10/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	EGAGE	EGAGE	010		IF		FB				AT 04000	AB 210
	EGAGE	ADUYA	020		TF		FB	1.0			AA 03100	
	EGAGE	DABBI	030		RF	R	FB	1.0		002.1	AA 02600	
	EGAGE	XIVXU	040		RF	R	FB	1.0		003.7	AA 01500	
	EGAGE	JAAGS	050		RF	R	FB	0.7		001.4	AA 01100	
	GUTNE	GUTNE	010		IF		FB				AT 04000	AB 210
	GUTNE	ZALAM	020		TF		FB	1.0			AA 02700	
	GUTNE	JAAGS	030		RF	L	FB	1.0		005.4	AA 01100	
	LAYON	LAYON	010		IF		FB				AT 03000	AB 210
	LAYON	XIVXU	020		TF		FB	1.0			AA 01500	
	LAYON	JAAGS	030		RF	R	FB	0.7		001.4	AA 01100	
	NANAA	NANAA	010		IF		FB				AT 04000	AB 210
	NANAA	DABBI	020		TF		FB	1.0			AA 02600	
	NANAA	XIVXU	030		RF	R	FB	1.0		003.7	AA 01500	
	NANAA	JAAGS	040		RF	R	FB	0.7		001.4	AA 01100	
	YEJWO	YEJWO	010		IF		FB				AT 03000	AB 210
	YEJWO	DEYER	020		TF		FB	1.0			AA 01800	
	YEJWO	JAAGS	030		TF		FB	1.0			AA 01100	
		JAAGS	020	FAF	IF		FB				AA 01100	
		RW26	030	MAP	TF		FO	0.3			AT 00075	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	UDAQI	040		TF		FO	1.0			AA 02000	
	UDAQI	050		HM	R	FO		076.4(070.4T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ADUYA	N303544.59	W0813827.65	N3035.743	W08138.461
	CFVVH	N303334.17	W0813734.38	N3033.570	W08137.573
	CFVVJ	N302915.52	W0813549.11	N3029.259	W08135.819
	DABBI	N303529.39	W0813605.93	N3035.490	W08136.099
	DEYER	N303223.63	W0813324.70	N3032.394	W08133.412
	EGAGE	N303442.78	W0814150.04	N3034.713	W08141.834
	GUTNE	N302427.53	W0813538.95	N3024.459	W08135.649
	JAAGS	N303123.71	W0813641.27	N3031.395	W08136.688
	LAYON	N303557.07	W0813220.42	N3035.951	W08132.340
	NANAA	N303744.74	W0814001.79	N3037.746	W08140.030
	UDAQI	N302536.40	W0815533.99	N3025.607	W08155.567
	XIVXU	N303213.87	W0813524.26	N3032.231	W08135.404
	YEJWO	N303408.30	W0812740.43	N3034.138	W08127.674
	ZALAM	N302815.09	W0813328.55	N3028.252	W08133.476

CITY AND STATE	ELEVATION: 29 THRE: 26	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSONVILLE, FL	AIRPORT NAME: **JACKSONVILLE INTL**	**RNAV**	**RNAV (RNP) Y RWY 26, AMDT 1** 14 NOVEMBER 2013	AMDT: **ORIG**
				DATED: **01/10/2013**

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

RW26	N303019.34	W0814012.10	N3030.322	W08140.202

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW26	00026	49

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CODEL INT	IOB NDB	067.20 / 5.39	2900
MASSE INT	IOB NDB	279.69 / 8.31	3000

MISSED APPROACH

MAP: IOB NDB

CLIMB TO 2900 IN IOB NDB HOLDING PATTERN.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 216.73 INBOUND.
CHART FAS OBST: 1425 TOWER 380602N/0835644W
CHART CIRCLING ICON
FAC CROSSES RWY C/L EXTENDED 2334 FROM THLD.

1. PT L SIDE OF COURSE 036.73 OUTBOUND 2900 FT WITHIN 10 MILES OF IOB NDB (IAF)
2.
3. FAC 216.73 FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: IOB NDB 3600

MAG VAR: 6W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-21	1780	1	796	1780	1 1/4	796	1780	2 1/2	796	1780	2 1/2	796			
CIRCLING	1780	1	761	1780	1 1/4	761	1780	2 1/2	761	1780	2 1/2	761			

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LEXINGTON ALTIMETER SETTING AND INCREASE ALL MDA 80 FT AND INCREASE ALL VISIBILITIES 1/4 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 1019 THRE: 984	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MOUNT STERLING, KY	AIRPORT NAME: MOUNT STERLING-MONTGOMERY COUNTY	IOB	NDB RWY 21, AMDT 2A 14 NOVEMBER 2013	AMDT 2
				DATE 09/19/2013

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
YULNU	JAMAG (FB)	141.35 / 8.76	3000
HIC VOR/DME	HIKAS (FB)	292.58 / 43.09	3000
MBL VOR/DME	FINOB (FO)	222.63 / 29.56	3000
JAMAG (IAF)	FINOB (NOPT) (FB)	163.78 / 5.00	3000
HIKAS (IAF)	FINOB (NOPT) (FB)	343.84 / 5.00	3000
FINOB (IF/IAF)	ZEKOP (FB)	073.81 / 6.97	2500
ZEKOP (FAF)	RW08 (MAP) (FO)	073.91 / 5.65	
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV: RW08

CLIMB TO 3000 DIRECT CEYNA AND ON TRACK 152.31 TO WELKO AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 355.03 INBOUND.
CHART FAS OBST: 835 STACK 435626N/0862624W

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W FINOB, RT, 073.81 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 073.91 FAF: ZEKOP DIST FAF TO MAP: 5.65 THLD: 5.65
4. MIN. ALT: FINOB 3000, ZEKOP 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: RW08 2600

MAG VAR: 3W EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1140	1	497	1140	1	497	1140	1 1/4	497	1140	1 1/2	497			
CIRCLING	1160	1	514	1160	1	514	1200	1 1/2	554	1300	2	654			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT YULNU ON V55 NORTHWEST BOUND, AND ARRIVALS AT MBL VOR/DME ON V271 NORTHBOUND, AND ARRIVALS ON HIC VOR/DME AIRWAY RADIALS 303 CW 332.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MUSKEGON COUNTY ALTIMETER SETTING AND (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 646 TDZE: 643	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LUDINGTON, MI	AIRPORT NAME: MASON COUNTY	RNAV	RNAV (GPS) RWY 8, ORIG-A 14 NOVEMBER 2013	AMDT: ORIG
				DATED 04/10/2008

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW08 (MAP)	1046 MSL	073.91	
1046 MSL	CEYNA (FB)		
CEYNA	WELKO (FO)	152.31 / 14.50	3000

NOTES, (CONT.):
INCREASE ALL MDA 120 FEET, INCREASE LNAV AND CIRCLING VISIBILITY CAT C/D 1/2 MILE.
CHART PROFILE NOTE: DESCENT ANGLE NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

QUALITY

CITY AND STATE	ELEVATION: 646 TDZE: 643	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LUDINGTON, MI	AIRPORT NAME: MASON COUNTY	RNAV	RNAV (GPS) RWY 8, ORIG-A 14 NOVEMBER 2013	AMDT: ORIG
				DATED: 04/10/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        HIC   K5011760VDL  N43342947W085425818    N43342947W085425818W0010009201     NARWHITE CLOUD
        SUSAD        MBL   K5011140VDLA N44161431W086151456    N44161431W086151456W0050006201     NARMANISTEE

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CEYNA K50    W     N43585143W086193415                    W0052     NAR          CEYNA
        SUSAEAENRT   FINOB K50    W     N43532559W086411886                    W0049     NAR          FINOB
        SUSAEAENRT   HIKAS K50    W     N43484221W086390267                    W0049     NAR          HIKAS
        SUSAEAENRT   JAMAG K50    W     N43580892W086433541                    W0049     NAR          JAMAG
        SUSAEAENRT   WELKO K50    C   L N43462360W086092199                    W0053     NAR          WELKO
        SUSAEAENRT   YULNU K50    C   L N44044203W086513918                    W0048     NAR          YULNU
        SUSAEAENRT   ZEKOP K50    W     N43554273W086321224                    W0051     NAR          ZEKOP

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLDMK5ALDM     0     050YHN43574510W086242850W003000646          1800018000C    MNAR    MASON COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLDMK5FR08   AHIC   010HIC  K5D 0V       IF                                          18000                B JS
        SUSAP KLDMK5FR08   AHIC   020HIKASK5EA0E  A 020TF                  29260431    + 03000                       B JS
        SUSAP KLDMK5FR08   AHIC   030FINOBK5EA0EE B 010TF                  34380050    + 03000                       B JS
        SUSAP KLDMK5FR08   AMBL   010MBL  K5D 0V       IF                                          18000                B JS
        SUSAP KLDMK5FR08   AMBL   020FINOBK5EA0EY   020TF                  22260296    + 03000                       B JS
        SUSAP KLDMK5FR08   AMBL   030FINOBK5EA0EE AR   HF                  07380040    + 03000                       B JS
        SUSAP KLDMK5FR08   AYULNU 010YULNUK5EA0E       IF                                          18000                B JS
        SUSAP KLDMK5FR08   AYULNU 020JAMAGK5EA0E  A 020TF                  14140088    + 03000                       B JS
        SUSAP KLDMK5FR08   AYULNU 030FINOBK5EA0EE B 010TF                  16380050    + 03000                       B JS
        SUSAP KLDMK5FR08   R      010FINOBK5EA0E  I    IF                                + 03000     18000            B JS
        SUSAP KLDMK5FR08   R      020ZEKOPK5EA1E  F 010TF                  07380070    + 02500                RW08  K5PGB JS
        SUSAP KLDMK5FR08   R      020ZEKOPK5EA2WN          N        ALNAV                                             JS
        SUSAP KLDMK5FR08   R      030RW08 K5PG0GY M 031TF                  07390057      01140          000            B JS
        SUSAP KLDMK5FR08   R      040         0  M     CA                  0739        + 01046                       B JS
        SUSAP KLDMK5FR08   R      050CEYNAK5EA0E       DF                                                          B JS
        SUSAP KLDMK5FR08   R      060WELKOK5EA0EY   010TF                  1523        + 03000                       B JS
        SUSAP KLDMK5FR08   R      070WELKOK5EA0EE  R   HM                  35500040    + 03000                       B JS

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

CITY AND STATE	ELEVATION: 646 TDZE: 643	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LUDINGTON, MI	AIRPORT NAME: **MASON COUNTY**	**RNAV**	**RNAV (GPS) RWY 8, ORIG-A** 14 NOVEMBER 2013	AMDT: **ORIG**
				DATED: **04/10/2008**

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

```
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLDMK5GRW08    0050030740 N43573341W086244844+0100    +0160200641000000075R
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLDMK5SRW08 K5PG                0   18018002625                                                                          M
```

CITY AND STATE	ELEVATION: 646 TDZE: 643	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LUDINGTON, MI	AIRPORT NAME: MASON COUNTY	RNAV	RNAV (GPS) RWY 8, ORIG-A 14 NOVEMBER 2013	AMDT: ORIG DATED: 04/10/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HIC	HIC	010		IF		FB					
	HIC	HIKAS	020	IAF	TF		FB	2.0	292.6(289.6T)	043.1	AA 03000	
	HIC	FINOB	030		TF		FB	1.0	343.8(340.8T)	005.0	AA 03000	
	MBL	MBL	010		IF		FB					
	MBL	FINOB	020		TF		FO	2.0	222.6(219.6T)	029.6	AA 03000	
	MBL	FINOB	030	IAF	HF	R	FO		073.8(070.8T)	004.0	AA 03000	
	YULNU	YULNU	010		IF		FB					
	YULNU	JAMAG	020	IAF	TF		FB	2.0	141.4(138.4T)	008.8	AA 03000	
	YULNU	FINOB	030		TF		FB	1.0	163.8(160.8T)	005.0	AA 03000	
		FINOB	010	FACF	IF		FB				AA 03000	
		ZEKOP	020	FAF	TF		FB	1.0	073.8(070.8T)	007.0	AA 02500	
		RW08	030	MAP	TF		FO	0.3	073.9(070.9T)	005.7	AT 01140	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		073.9(070.9T)		AA 01046	
	CEYNA	050		DF		FB					
	WELKO	060		TF		FO	1.0	152.3(149.3T)		AA 03000	
	WELKO	070		HM	R	FO		355.0(352.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HIC	N433429.47	W0854258.18	N4334.491	W08542.970
	MBL	N441614.31	W0861514.56	N4416.239	W08615.243
	CEYNA	N435851.43	W0861934.15	N4358.857	W08619.569
	FINOB	N435325.59	W0864118.86	N4353.427	W08641.314
	HIKAS	N434842.21	W0863902.67	N4348.704	W08639.045
	JAMAG	N435808.92	W0864335.41	N4358.149	W08643.590
	WELKO	N434623.60	W0860921.99	N4346.393	W08609.367
	YULNU	N440442.03	W0865139.18	N4404.701	W08651.653
	ZEKOP	N435542.73	W0863212.24	N4355.712	W08632.204
	RW08	N435733.41	W0862448.44	N4357.557	W08624.807

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00641	00

CITY AND STATE	ELEVATION: **646** **TDZE: 643**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LUDINGTON, MI	AIRPORT NAME: **MASON COUNTY**	**RNAV**	**RNAV (GPS) RWY 8, ORIG-A** 14 NOVEMBER 2013	AMDT: **ORIG**
				DATED: **04/10/2008**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

COPTER ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DLH VORTAC	ANDOE OM/RADAR	065.82 / 6.49	3200

MISSED APPROACH

ILS: DA
LOC: 5.18 MILES AFTER ANDOE OM RADAR

CLIMB TO 3000 THEN CLIMBING RIGHT TURN TO 4500 ON HEADING 060 AND ON DLH VORTAC R-017 TO CHERL INT/DLH 15.00 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 3300 DIRECT PYKLA LOM/RADAR AND HOLD (ADF OR RADAR REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 197.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W PYKLA LOM/RADAR, RT, 092.26 INBOUND.
FAS OBST: 1609 AAO 465050N/0920435W
CHART IN PLANVIEW: PYKLA LOM/RADAR.
CHART: ASR

1. PT **L** SIDE OF COURSE **090.29** OUTBOUND **3200** FT WITHIN **5** MILES OF **ANDOE OM** (IAF)
2.
3. FAC: **270.29** FAF: **ANDOE OM/RADAR** DIST FAF TO MAP: **5.18** THLD: **5.18**
4. MIN. ALT: **ANDOE OM 3200**
5. DIST TO THLD FROM OM: **5.18** MM: **-** IM: **-** 150 HAT: **-** 100 HAT: **-** GS ANT: **1593**
6. MIN GS INCPT: **3200** GS ALT AT: **-** OM: **3180** MM: **-** IM: **-**
7. GS ANGLE: **3.00** TCH: **85.3**
8. MSA FROM: **DLH VORTAC 3100**

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

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | **ILS: STANDARD** **LOC: STANDARD**

CATEGORY =====>	COPTER														
	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
H-27	1619	2000	200												
H-27	1860	1200	441												

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO H-ILS 27.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE H-LOC 27 VISIBILITY TO RVR 2400.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1428 THRE: 1419	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: **DULUTH INTL**	**I-JUD**	**COPTER ILS OR LOC RWY 27, AMDT 2** 14 NOVEMBER 2013	AMDT: **1A** DATED **04/05/2012**

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

COPTER ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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

CITY AND STATE	ELEVATION: 1428 THRE: 1419	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: DULUTH INTL	I-JUD	COPTER ILS OR LOC RWY 27, AMDT 2 14 NOVEMBER 2013	AMDT: 1A
				DATED: 04/05/2012

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DLH VORTAC	PYKLA LOM/RADAR	287.71 / 6.79	3300

MISSED APPROACH

ILS: DA
LOC: 5.55 MILES AFTER PYKLA LOM RADAR

CLIMB TO 3000 THEN CLIMBING LEFT TURN TO 4500 ON HEADING 320 AND DLH VORTAC R-017 TO CHERL INT/DLH 15.00 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2700 THEN CLIMBING LEFT TURN TO 3300 DIRECT PYKLA LOM/RADAR AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 197.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W PYKLA LOM/RADAR, RT, 092.26 INBOUND.
FAS OBST: 1699 AAO 465057N/0921801W
CHART: ASR
CHART: CIRCLING ICON
CHART IN PLANVIEW: (CFBSJ) AT 465054.60N-0922708.08W

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W PYKLA LOM, RT, 092.26 INBOUND, 3300 FT. IN LIEU OF PT (IAF)
3. FAC: 092.26 FAF: PYKLA LOM/RADAR DIST FAF TO MAP: 5.55 THLD: 5.55
4. MIN. ALT: PYKLA LOM 3300
5. DIST TO THLD FROM OM: 5.55 MM: - IM: 1059 150 HAT: 1736 100 HAT: 782 GS ANT: 1154
6. MIN GS INCPT: 3300 GS ALT AT: - OM: 3284 MM: - IM: 1542
7. GS ANGLE: 3.00 TCH: 59.0
8. MSA FROM: PYKLA LOM 3100

MAG VAR: 0E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD # | LOC: STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 9	1628	1800	200	1628	1800	200	1628	1800	200	1628	1800	200	1628	1800	200
S-LOC 9	1960	2400	532	1960	2400	532	1960	5500	532	1960	5500	532	1960	5500	532
CIRCLING	1960	1	532	1960	1	532	1960	1 1/2	532	2400	3	972	2400	3	972

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 9: CAT A, B, C, D, RA 101, RVR 1200, HATh 100, DA 1528 MSL.
SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 9: CAT A, B, C, D, RA 144, RVR 1400, HATh 150, DA 1578 MSL.
(SEE FORM 8260-10)

CAT D, E 1000-3
@ CAT D, E 1000-3

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1428 THRE: 1428	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: DULUTH INTL	I-DLH	ILS OR LOC RWY 9, AMDT 22 11/14/2013 ILS RWY 9 (SA CAT I) ILS RWY 9 (CAT II)	AMDT: 21A DATED 04/05/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport 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: ADF OR RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DA.
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-ILS 9 CAT E VISIBILITY TO RVR 4000 AND S-LOC 9 CAT C/D/E VISIBILITY TO 1 1/2 MILE.
CHART NOTE: CIRCLING NA FOR CAT E SE OF RWY 3-27.
CHART NOTE: ADF OR RADAR REQUIRED.

CITY AND STATE	ELEVATION: 1428 THRE: 1428	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: DULUTH INTL	I-DLH	ILS OR LOC RWY 9, AMDT 22 11/14/2013 ILS RWY 9 (SA CAT I) ILS RWY 9 (CAT II)	AMDT: 21A DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

```
ARINC PACKET - 424-18 - ILS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DLH   K3011260VTHW N46480779W092121033    N46480779W092121033E0050014282     NARDULUTH
        SUSADB       DL    K3003790HOMW N46504459W092211777                        E0000           NARPYKLA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CFBSJ K30    W     N46505460W092270808                        W0005     NAR           CNF(CFBSJ)
        SUSAEAENRT   CHERL K30    R     N47020158W092035743                        W0009     NAR           CHERL
        SUSAEAENRT   PYKLA K30    R   L N46504568W092211771                        W0006     NAR           PYKLA LOM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3ADLH     0     101YHN46503150W092113710E002001428         1800018000C    MNAR    DULUTH INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3FI09   ADLH   010DLH  K3D 0V       IF                                          18000                  0 DS
        SUSAP KDLHK3FI09   ADLH   020DL   K3DB0NY      TF                                  + 03300                        0 DS
        SUSAP KDLHK3FI09   ADLH   030DL   K3DB0NE AR   HF IDLHK3      272200780923T010PI  + 03300                        0 DS
        SUSAP KDLHK3FI09   I      010CFBSJK3EA0E  I    IF IDLHK3      27230118        PI  J 033000330018000                0 DS
        SUSAP KDLHK3FI09   I      020PYKLAK3EA0E  F    CF IDLHK3      2723007809200040PI  H 0330003284        -300PYKLA K3EA0 DS
        SUSAP KDLHK3FI09   I      030RW09 K3PG0GY M    CF IDLHK3      2723002209200056PI    01487             -300          0 DS
        SUSAP KDLHK3FI09   I      040         0  M     CA                     0923        + 03000                        0 DS
        SUSAP KDLHK3FI09   I      050         0    L   VIY                    3200                                       0 DS
        SUSAP KDLHK3FI09   I      060CHERLK3EA0EY      CF DLH K3      0170015001700090D   + 04500                        0 DS
        SUSAP KDLHK3FI09   I      070CHERLK3EA0EE  R   HM                     1970T010    + 04500                        0 DS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3GRW09    0101620903 N46503284W092131304-0100    +0406901428000059150IIDLH2

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3IIDLH2   011030RW09 N46502758W0921000110923N46503634W0921256223262 11540359300E00005901415

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

CHECKED

CITY AND STATE	ELEVATION: 1428 THRE: 1428	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: DULUTH INTL	I-DLH	ILS OR LOC RWY 9, AMDT 22 11/14/2013 ILS RWY 9 (SA CAT I) ILS RWY 9 (CAT II)	AMDT: 21A DATED: 04/05/2012

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

```
SUSAP KDLHK3SPYKLAK3EA          0   18018003125                                                    M
```

CITY AND STATE	ELEVATION: 1428 THRE: 1428	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: DULUTH INTL	I-DLH	ILS OR LOC RWY 9, AMDT 22 11/14/2013 ILS RWY 9 (SA CAT I) ILS RWY 9 (CAT II)	AMDT: 21A DATED: 04/05/2012

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DLH	DLH	010		IF		FB					
	DLH	DL	020		TF		FO				AA 03300	
	DLH	DL	030	IAF	HF	R	FO		092.3()	T01.0	AA 03300	
		CFBSJ	010	FACF	IF		FB				AA 03300 GI 03300	
		PYKLA	020	FAF	CF		FB		092.0()	004.0	GI 03300 GS 03284	
		RW09	030	MAP	CF		FO		092.0()	005.6	AT 01487	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		092.3()		AA 03000	
		050		VI	L	FB		320.0()			
	CHERL	060		CF		FO		017.0()	009.0	AA 04500	
	CHERL	070		HM	R	FO		197.0()	T01.0	AA 04500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DLH	N464807.79	W0921210.33	N4648.130	W09212.172
	DL	N465044.59	W0922117.77	N4650.743	W09221.296
	CFBSJ	N465054.60	W0922708.08	N4650.910	W09227.135
	CHERL	N470201.58	W0920357.43	N4702.026	W09203.957
	PYKLA	N465045.68	W0922117.71	N4650.761	W09221.295
	RW09	N465032.84	W0921313.04	N4650.547	W09213.217
	IDLH (LOC)	N465027.58	W0921000.11	N4650.460	W09210.002

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	01428	59

CITY AND STATE	ELEVATION: 1428 THRE: 1428	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: **DULUTH INTL**	**I-DLH**	**ILS OR LOC RWY 9, AMDT 22** 11/14/2013 **ILS RWY 9 (SA CAT I)** **ILS RWY 9 (CAT II)**	AMDT: **21A** DATED: **04/05/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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

```
ARINC PACKET - 424-18 - LOC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DLH   K3011260VTHW N46480779W092121033    N46480779W092121033E0050014282     NARDULUTH
        SUSADB       DL    K3003790HOMW N46504459W092211777                        E0000           NARPYKLA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CFBSJ K30    W     N46505460W092270808                        W0005     NAR           CNF(CFBSJ)
        SUSAEAENRT   CHERL K30    R     N47020158W092035743                        W0009     NAR           CHERL
        SUSAEAENRT   PYKLA K30    R   L N46504568W092211771                        W0006     NAR           PYKLA LOM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3ADLH     0     101YHN46503150W092113710E002001428         1800018000C    MNAR    DULUTH INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3FL09   ADLH   010DLH  K3D 0V       IF                                                18000                  0 DS
        SUSAP KDLHK3FL09   ADLH   020DL   K3DB0NY      TF                                     + 03300                           0 DS
        SUSAP KDLHK3FL09   ADLH   030DL   K3DB0NE AR   HF IDLHK3      272200780923T010PI  + 03300                           0 DS
        SUSAP KDLHK3FL09   L      010CFBSJK3EA0E  I    IF IDLHK3      27230118        PI  + 03300     18000                  0 DS
        SUSAP KDLHK3FL09   L      020PYKLAK3EA0E  F    CF IDLHK3      2723007809200040PI  + 03300                 PYKLA K3EA0 DS
        SUSAP KDLHK3FL09   L      030RW09 K3PG0GY M    CF IDLHK3      2723002209200056PI    01487             -308           0 DS
        SUSAP KDLHK3FL09   L      040         0  M     CA                     0923        + 03000                           0 DS
        SUSAP KDLHK3FL09   L      050         0    L   VIY                    3200                                          0 DS
        SUSAP KDLHK3FL09   L      060CHERLK3EA0EY      CF DLH K3      0170015001700090D   + 04500                           0 DS
        SUSAP KDLHK3FL09   L      070CHERLK3EA0EE  R   HM                     1970T010    + 04500                           0 DS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3GRW09    0101620903 N46503284W092131304-0100    +0406901428000059150IIDLH2

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3IIDLH2   011030RW09 N46502758W0921000110923N46503634W0921256223262 11540359300E00005901415

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

CITY AND STATE	ELEVATION: 1428 THRE: 1428	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: DULUTH INTL	I-DLH	ILS OR LOC RWY 9, AMDT 22 11/14/2013 ILS RWY 9 (SA CAT I) ILS RWY 9 (CAT II)	AMDT: 21A DATED: 04/05/2012

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

```
SUSAP KDLHK3SPYKLAK3EA          0   18018003125                                                    M
```

CITY AND STATE	ELEVATION: 1428 THRE: 1428	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: DULUTH INTL	I-DLH	ILS OR LOC RWY 9, AMDT 22 11/14/2013 ILS RWY 9 (SA CAT I) ILS RWY 9 (CAT II)	AMDT: 21A DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DLH	DLH	010		IF		FB					
	DLH	DL	020		TF		FO				AA 03300	
	DLH	DL	030	IAF	HF	R	FO		092.3()	T01.0	AA 03300	
		CFBSJ	010	FACF	IF		FB				AA 03300	
		PYKLA	020	FAF	CF		FB		092.0()	004.0	AA 03300	
		RW09	030	MAP	CF		FO		092.0()	005.6	AT 01487	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		092.3()		AA 03000	
		050		VI	L	FB		320.0()			
	CHERL	060		CF		FO		017.0()	009.0	AA 04500	
	CHERL	070		HM	R	FO		197.0()	T01.0	AA 04500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DLH	N464807.79	W0921210.33	N4648.130	W09212.172
	DL	N465044.59	W0922117.77	N4650.743	W09221.296
	CFBSJ	N465054.60	W0922708.08	N4650.910	W09227.135
	CHERL	N470201.58	W0920357.43	N4702.026	W09203.957
	PYKLA	N465045.68	W0922117.71	N4650.761	W09221.295
	RW09	N465032.84	W0921313.04	N4650.547	W09213.217
	IDLH (LOC)	N465027.58	W0921000.11	N4650.460	W09210.002

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	01428	59

CITY AND STATE	ELEVATION: **1428** **THRE: 1428**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: **DULUTH INTL**	**I-DLH**	**ILS OR LOC RWY 9, AMDT 22** 11/14/2013 **ILS RWY 9 (SA CAT I)** **ILS RWY 9 (CAT II)**	AMDT: **21A** DATED: **04/05/2012**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DLH VORTAC	ANDOE OM/RADAR	065.82 / 6.49	3200
DAYAR/DLH 15.00 DME CCW (IAF)	WIRSA/DLH 15.00 DME (NOPT)	15.00 DME ARC (DLH LR-086)	3200
FOSUP/DLH 15.00 DME CW (IAF)	WIRSA/DLH 15.00 DME (NOPT)	15.00 DME ARC (DLH LR-070)	3200
WIRSA/DLH 15.00 DME (IF)	ANDOE OM/RADAR	270.29 / 8.77 (I-JUD)	3200

MISSED APPROACH

ILS: DA
LOC: 5.18 MILES AFTER ANDOE OM RADAR

CLIMB TO 3000 THEN CLIMBING RIGHT TURN TO 4500 ON HEADING 060 AND ON DLH VORTAC R-017 TO CHERL INT/DLH 15.00 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 3300 DIRECT PYKLA LOM/RADAR AND HOLD (ADF OR RADAR REQUIRED).

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 197.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W PYKLA LOM/RADAR, RT, 092.26 INBOUND.
FAS OBST: 1609 AAO 465050N/0920435W
CHART DLH R-009 AT FOSUP.
CHART DLH R-182 AT DAYAR.
CHART IN PLANVIEW: PYKLA LOM/RADAR.
CHART CIRCLING ICON
CHART: ASR.

1. PT **L** SIDE OF COURSE **090.29** OUTBOUND **3200** FT WITHIN **15** MILES OF **ANDOE OM** (IAF)
2.
3. FAC: **270.29** FAF: **ANDOE OM/RADAR** DIST FAF TO MAP: **5.18** THLD: **5.18**
4. MIN. ALT: **ANDOE OM 3200**
5. DIST TO THLD FROM OM: **5.18** MM: **-** IM: **-** 150 HAT: **-** 100 HAT: **-** GS ANT: **1593**
6. MIN GS INCPT: **3200** GS ALT AT: **-** OM: **3180** MM: **-** IM: **-**
7. GS ANGLE: **3.00** TCH: **85.3**
8. MSA FROM: **DLH VORTAC 3100**

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

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | **ILS: STANDARD #** **LOC: STANDARD @**

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 27	1619	4000	200	1619	4000	200	1649	4000	230	1649	4000	230	1649	4000	230
S-LOC 27	1860	2400	441	1860	2400	441	1860	4500	441	1860	4500	441	1860	4500	441
CIRCLING	1880	1	452	1900	1	472	1940	1 1/2	512	2400	3	972	2400	3	972

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 27.
CHART NOTE: CIRCLING NA FOR CAT E SE OF RWY 3-27.
CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

 # CAT D, E 1000-3
@ CAT D, E 1000-3

QUALITY CHECKED

CITY AND STATE	AIRPORT	FACILITY IDENTIFIER	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
DULUTH, MN	**ELEVATION: 1428** **THRE: 1419** AIRPORT NAME: **DULUTH INTL**	**I-JUD**	**ILS OR LOC RWY 27, AMDT 10** 14 NOVEMBER 2013	SUP: AMDT: **9B** DATED **04/05/2012**

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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

NOTES, (CONT.):
CHART NOTE: AUTOPILOT COUPLED APPROACH NA.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 27 CAT E VISIBILITY TO 1 3/8 MILE.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
DULUTH, MN	**ELEVATION: 1428** **THRE: 1419** AIRPORT NAME: **DULUTH INTL**	**I-JUD**	**ILS OR LOC RWY 27, AMDT 10** 14 NOVEMBER 2013	SUP: AMDT: **9B** DATED: **04/05/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.29

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

ARINC PACKET - 424-18 - ILS

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DLH   K3011260VTHW N46480779W092121033    N46480779W092121033E0050014282     NARDULUTH
        SUSAD        HIB   K3011080VDLW N47180550W092421456    N47180550W092421456E0020013121     NARHIBBING

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ANDOE K30    R     N46501620W092031466                      W0009     NAR           ANDOE OM
        SUSAEAENRT   CHERL K30    R     N47020158W092035743                      W0009     NAR           CHERL
        SUSAEAENRT   DAYAR K50    R   L N46331477W092144858                      W0007     NAR           DAYAR
        SUSAEAENRT   FOSUP K30    C   L N47024123W092065597                      W0009     NAR           FOSUP
        SUSAEAENRT   WIRSA K30    R     N46495362W091502876                      W0011     NAR           WIRSA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3ADLH     0     101YHN46503150W092113710E002001428         1800018000C    MNAR    DULUTH INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3FI27   ADAYAR 010DAYARK5EA0E  A    IF DLH K3      18200150        D                18000                 0 DS
        SUSAP KDLHK3FI27   ADAYAR 020WIRSAK3EA0EE BL   AF DLH K3      078101501820    D   + 03200                            0 DS
        SUSAP KDLHK3FI27   ADLH   010DLH  K3D 0V       IF                                             18000                 0 DS
        SUSAP KDLHK3FI27   ADLH   020ANDOEK3EA0E       TF                                 + 03200                            0 DS
        SUSAP KDLHK3FI27   ADLH   030ANDOEK3EA0EE AR   PI HIB K3      1340038504530150D   + 03200                            0 DS
        SUSAP KDLHK3FI27   AFOSUP 010FOSUPK3EA0E  A    IF DLH K3      00880150        D                18000                 0 DS
        SUSAP KDLHK3FI27   AFOSUP 020WIRSAK3EA0EE BR   AF DLH K3      078101500088    D   + 03200                            0 DS
        SUSAP KDLHK3FI27   I      010WIRSAK3EA0E  I    IF IJUDK3      09030159        PI  J 032000320018000                  0 DS
        SUSAP KDLHK3FI27   I      020ANDOEK3EA0E  F    CF IJUDK3      0903007127000088PI  H 0320003180        -300DLH   K3D 0 DS
        SUSAP KDLHK3FI27   I      030RW27 K3PG0GY M    CF IJUDK3      0903001927000052PI    01504             -300           0 DS
        SUSAP KDLHK3FI27   I      040         0  M     CA                      2703        + 03000                            0 DS
        SUSAP KDLHK3FI27   I      050         0    R   VIY                     0600                                           0 DS
        SUSAP KDLHK3FI27   I      060CHERLK3EA0EY      CF DLH K3      0170015001700070D   + 04500                            0 DS
        SUSAP KDLHK3FI27   I      070CHERLK3EA0EE  R   HM                      1970T010    + 04500                            0 DS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3GRW27    0101622703 N46502886W092104699+0100    +0404301419000085150IIJUD1

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

CITY AND STATE	ELEVATION: 1428 THRE: 1419	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: DULUTH INTL	I-JUD	ILS OR LOC RWY 27, AMDT 10 14 NOVEMBER 2013	AMDT: 9B DATED: 04/05/2012

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

```
ILS     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3IIJUD1   010870RW27 N46503341W0921334272703N46503318W0921109681477 15930345300E00208501423

                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3SDLH  K3D               0   18018003125                                                                        M
```

CITY AND STATE	ELEVATION: 1428 THRE: 1419	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: **DULUTH INTL**	**I-JUD**	**ILS OR LOC RWY 27, AMDT 10** 14 NOVEMBER 2013	AMDT: **9B** DATED: **04/05/2012**

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DAYAR	DAYAR	010	IAF	IF		FB					
	DAYAR	WIRSA	020		AF	L	FB		182.0()		AA 03200	
	DLH	DLH	010		IF		FB					
	DLH	ANDOE	020		TF		FB				AA 03200	
	DLH	ANDOE	030	IAF	PI	R	FB		045.3()	015.0	AA 03200	
	FOSUP	FOSUP	010	IAF	IF		FB					
	FOSUP	WIRSA	020		AF	R	FB		008.8()		AA 03200	
		WIRSA	010	FACF	IF		FB				AA 03200 GI 03200	
		ANDOE	020	FAF	CF		FB		270.0()	008.8	GI 03200 GS 03180	
		RW27	030	MAP	CF		FO		270.0()	005.2	AT 01504	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		270.3()		AA 03000	
		050		VI	R	FB		060.0()			
	CHERL	060		CF		FO		017.0()	007.0	AA 04500	
	CHERL	070		HM	R	FO		197.0()	T01.0	AA 04500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DLH	N464807.79	W0921210.33	N4648.130	W09212.172
	HIB	N471805.50	W0924214.56	N4718.092	W09242.243
	ANDOE	N465016.20	W0920314.66	N4650.270	W09203.244
	CHERL	N470201.58	W0920357.43	N4702.026	W09203.957
	DAYAR	N463314.77	W0921448.58	N4633.246	W09214.810
	FOSUP	N470241.23	W0920655.97	N4702.687	W09206.933
	WIRSA	N464953.62	W0915028.76	N4649.894	W09150.479
	RW27	N465028.86	W0921046.99	N4650.481	W09210.783
	IJUD (LOC)	N465033.41	W0921334.27	N4650.557	W09213.571

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27	01419	85

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

ARINC PACKET - 424-18 - LOC

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DLH   K3011260VTHW N46480779W092121033    N46480779W092121033E0050014282     NARDULUTH
        SUSAD        HIB   K3011080VDLW N47180550W092421456    N47180550W092421456E0020013121     NARHIBBING

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ANDOE K30    R     N46501620W092031466                    W0009     NAR           ANDOE OM
        SUSAEAENRT   CHERL K30    R     N47020158W092035743                    W0009     NAR           CHERL
        SUSAEAENRT   DAYAR K50    R   L N46331477W092144858                    W0007     NAR           DAYAR
        SUSAEAENRT   FOSUP K30    C   L N47024123W092065597                    W0009     NAR           FOSUP
        SUSAEAENRT   WIRSA K30    R     N46495362W091502876                    W0011     NAR           WIRSA

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3ADLH     0     101YHN46503150W092113710E002001428         1800018000C    MNAR    DULUTH INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3FL27   ADAYAR 010DAYARK5EA0E  A    IF DLH K3      18200150        D              18000                  0 DS
        SUSAP KDLHK3FL27   ADAYAR 020WIRSAK3EA0EE BL   AF DLH K3      078101501820    D   + 03200                            0 DS
        SUSAP KDLHK3FL27   ADLH   010DLH  K3D 0V       IF                                             18000                  0 DS
        SUSAP KDLHK3FL27   ADLH   020ANDOEK3EA0E       TF                                 + 03200                            0 DS
        SUSAP KDLHK3FL27   ADLH   030ANDOEK3EA0EE AR   PI HIB K3      1340038504530150D   + 03200                            0 DS
        SUSAP KDLHK3FL27   AFOSUP 010FOSUPK3EA0E  A    IF DLH K3      00880150        D              18000                  0 DS
        SUSAP KDLHK3FL27   AFOSUP 020WIRSAK3EA0EE BR   AF DLH K3      078101500088    D   + 03200                            0 DS
        SUSAP KDLHK3FL27   L      010WIRSAK3EA0E  I    IF IJUDK3      09030159        PI  + 03200    18000                   0 DS
        SUSAP KDLHK3FL27   L      020ANDOEK3EA0E  F    CF IJUDK3      0903007127000088PI  + 03200                DLH   K3D 0 DS
        SUSAP KDLHK3FL27   L      030RW27 K3PG0GY M    CF IJUDK3      0903001927000052PI    01504          -309               0 DS
        SUSAP KDLHK3FL27   L      040         0  M     CA                    2703         + 03000                            0 DS
        SUSAP KDLHK3FL27   L      050         0    R   VIY                   0600                                            0 DS
        SUSAP KDLHK3FL27   L      060CHERLK3EA0EY       CF DLH K3      0170015001700070D   + 04500                            0 DS
        SUSAP KDLHK3FL27   L      070CHERLK3EA0EE  R    HM                    1970T010     + 04500                            0 DS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3GRW27     0101622703 N46502886W092104699+0100     +040430141900008515OIIJUD1

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

CITY AND STATE	ELEVATION: 1428 THRE: 1419	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: **DULUTH INTL**	**I-JUD**	**ILS OR LOC RWY 27, AMDT 10** 14 NOVEMBER 2013	AMDT: **9B**
				DATED: **04/05/2012**

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

```
ILS     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3IIJUD1   010870RW27 N46503341W0921334272703N46503318W0921109681477 15930345300E00208501423
        ----------------------------------------------------------------------------------------------------------------------------------------
                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLHK3SDLH  K3D               0   18018003125                                                                    M
```

CITY AND STATE	ELEVATION: 1428 THRE: 1419	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: DULUTH INTL	I-JUD	ILS OR LOC RWY 27, AMDT 10 14 NOVEMBER 2013	AMDT: 9B
				DATED: 04/05/2012

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

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DAYAR	DAYAR	010	IAF	IF		FB					
	DAYAR	WIRSA	020		AF	L	FB		182.0()		AA 03200	
	DLH	DLH	010		IF		FB					
	DLH	ANDOE	020		TF		FB				AA 03200	
	DLH	ANDOE	030	IAF	PI	R	FB		045.3()	015.0	AA 03200	
	FOSUP	FOSUP	010	IAF	IF		FB					
	FOSUP	WIRSA	020		AF	R	FB		008.8()		AA 03200	
		WIRSA	010	FACF	IF		FB				AA 03200	
		ANDOE	020	FAF	CF		FB		270.0()	008.8	AA 03200	
		RW27	030	MAP	CF		FO		270.0()	005.2	AT 01504	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		270.3()		AA 03000	
		050		VI	R	FB		060.0()			
	CHERL	060		CF		FO		017.0()	007.0	AA 04500	
	CHERL	070		HM	R	FO		197.0()	T01.0	AA 04500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DLH	N464807.79	W0921210.33	N4648.130	W09212.172
	HIB	N471805.50	W0924214.56	N4718.092	W09242.243
	ANDOE	N465016.20	W0920314.66	N4650.270	W09203.244
	CHERL	N470201.58	W0920357.43	N4702.026	W09203.957
	DAYAR	N463314.77	W0921448.58	N4633.246	W09214.810
	FOSUP	N470241.23	W0920655.97	N4702.687	W09206.933
	WIRSA	N464953.62	W0915028.76	N4649.894	W09150.479
	RW27	N465028.86	W0921046.99	N4650.481	W09210.783
	IJUD (LOC)	N465033.41	W0921334.27	N4650.557	W09213.571

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27	01419	85

CITY AND STATE	ELEVATION: **1428** **THRE: 1419**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: **DULUTH INTL**	**I-JUD**	**ILS OR LOC RWY 27, AMDT 10** 14 NOVEMBER 2013	AMDT: **9B**
				DATED: **04/05/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DLH VORTAC	ECTAJ/DLH 8.00 DME	017.00 / 8.00	3200
HUGRA/DLH 15.00 DME CCW (IAF)	CHERL INT/DLH 15.00 DME (NOPT)	15.00 DME ARC	4000
GECRE/DLH 15.00 DME CW (IAF)	CHERL INT/DLH 15.00 DME (NOPT)	15.00 DME ARC	4000
CHERL INT/DLH 15.00 DME (IF)	ECTAJ/DLH 8.00 DME	197.00 / 7.00	3200

MISSED APPROACH

MAP: IHIBO/ 3.02 DME FIX

CLIMB TO 3800 DIRECT DLH VORTAC THEN ON DLH VORTAC R-192 TO MIZOU/DLH 7.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 011.96 INBOUND.
CHART FAS OBST: 1576 ANT 465133N/0920917W
CHART DLH R-288 AT GECRE.
CHART DLH R-095 AT HUGRA.
ECTAJ TO RW21: 3.29/45.
CHART CIRCLING ICON
CHART: ASR

1. PT L SIDE OF COURSE 017.00 OUTBOUND 3200 FT WITHIN 15 MILES OF ECTAJ (IAF)
2.
3. FAC 197.00 FAF ECTAJ/DLH 8.00 DME DIST FAF TO MAP THLD 4.98
4. MIN. ALT ECTAJ 3200, FOVRO/DLH 5.00 DME 2100
8. MSA FROM: DLH VORTAC 3100

MAG VAR: 5E EPOCH YEAR:1965

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-21	1860	1	444	1860	1	444	1860	1 3/8	444	1860	1 3/8	444	1860	1 3/8	444
CIRCLING	1880	1	452	1900	1	472	1940	1 1/2	512	2400	3	972	2400	3	972

NOTES:

CHART NOTE: CIRCLING NA FOR CAT E SE OF RWY 3-27.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: RWY 21 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.

@ CAT D, E 1000-3

CITY AND STATE	ELEVATION: 1428 THRE: 1416	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
DULUTH, MN	AIRPORT NAME: DULUTH INTL	DLH	VOR/DME OR TACAN RWY 21, AMDT 15 14 NOVEMBER 2013	AMDT 14A DATE 02/10/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
TACAN OR VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MATEC/DLH 7.00 DME CCW (IAF)	MIZOU/DLH 7.00 DME (NOPT)	7.00 DME ARC	3800
MASWE/DLH 7.00 DME CW (IAF)	MIZOU/DLH 7.00 DME (NOPT)	7.00 DME ARC	3800
MIZOU/DLH 7.00 DME (IF)	DLH VORTAC	011.96 / 7.00	2200

MISSED APPROACH

MAP: 2.10 MILES AFTER DLH VORTAC OR AT DLH 2.10 DME FIX

CLIMB TO 4500 ON DLH VORTAC R-017 TO CHERL INT/DLH 15.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 197.00 INBOUND.
CHART FAS OBST: 1569 ANT 465000N/0921236W
CHART DLH R-288 AT MATEC.
CHART DLH R-095 AT MASWE.
DLH VORTAC TO RW03: 3.32/45.
CHART CIRCLING ICON
CHART: ASR

1. PT L SIDE OF COURSE 191.96 OUTBOUND 3100 FT WITHIN 15 MILES OF DLH VORTAC (IAF)
2.
3. FAC 011.61 FAF DLH VORTAC DIST FAF TO MAP 2.10 THLD 2.10
4. MIN. ALT DLH VORTAC 2200
8. MSA FROM: DLH VORTAC 3100

MAG VAR: 5E EPOCH YEAR: 1965

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-3	1820	1	406	1820	1	406	1820	1 1/8	406	1820	1 1/8	406	1820	1 1/8	406
CIRCLING	1880	1	452	1900	1	472	1940	1 1/2	512	2400	3	972	2400	3	972

NOTES:

CHART NOTE: CIRCLING NA FOR CAT E SE OF RWY 3-27.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: RWY 3 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

@ CAT D, E 1000-3

CITY AND STATE	ELEVATION: 1428 THRE: 1414	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
DULUTH, MN	AIRPORT NAME: DULUTH INTL	DLH	VOR OR TACAN RWY 3, AMDT 21 14 NOVEMBER 2013	AMDT 20 DATE 06/03/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

CITY AND STATE	ELEVATION: 1428 THRE: 1414	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DULUTH, MN	AIRPORT NAME: DULUTH INTL	DLH	VOR OR TACAN RWY 3, AMDT 21 14 NOVEMBER 2013	AMDT: 20 DATED: 06/03/2010

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZOLAK (IF/IAF)	YIGPU (FB)	099.08 / 6.00	2800
YIGPU (FAF)	CUNIM/3.10 NM TO RW10 (FB)	099.16 / 1.85	
CUNIM/3.10 NM TO RW10	RW10 (MAP) (FO)	099.16 / 3.10	
RW10 (MAP)	1582 MSL	099.16	
1582 MSL	TIYUR (FO)		3700

MISSED APPROACH

LP: RW10
LNAV: RW10

CLIMB TO 3700 DIRECT TIYUR AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 279.37 INBOUND.
CHART FAS OBST: 1705 TOWER 365929N/0914742W
CHART FAS OBST: 1444 TOWER 365937N/0914529W
CHART FAS OBST: 1531 TOWER 365934N/0914535W
WAAS CHANNEL # 73032
REFERENCE PATH ID: W10A
LTP HAE: 329.8 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W ZOLAK, RT, 099.08 INBOUND, 3700 FT. IN LIEU OF PT (IAF)
3. FAC: 099.16 FAF: YIGPU DIST FAF TO MAP: 4.95 THLD: 4.95
4. MIN. ALT: ZOLAK 3700, YIGPU 2800, CUNIM/3.10 NM TO RW10 2200
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 0W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1740	1	561	1740	1	561	1740	1 5/8	561	1740	1 5/8	561			
LNAV MDA	1820	1	641	1820	1	641	1820	1 7/8	641	1820	1 7/8	641			
CIRCLING	1880	1	698	2080	1 1/4	898	2080	2 3/4	898	2180	3	998			

NOTES:
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: USE WEST PLAINS ALTIMETER SETTING, WHEN NOT RECEIVED, USE FORT LEONARD WOOD ALTIMETER (SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 1182 THRE: 1179	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MOUNTAIN VIEW, MO	AIRPORT NAME: MOUNTAIN VIEW	RNAV	RNAV (GPS) RWY 10, ORIG-A 14 NOVEMBER 2013	AMDT: ORIG DATED 06/27/2013

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

NOTES, (CONT.):
SETTING AND INCREASE ALL MDA 80 FEET; INCREASE LP CATS C AND D VISIBILITY 1/4 MILE, INCREASE LNAV CAT B VISIBILITY 1/4 MILE, LNAV CATS C AND D VISIBILITY 1/8 MILE, AND INCREASE CIRCLING CATS B AND C VISIBILITY 1/4 MILE.
CHART PROFILE NOTE: DESCENT ANGLE NA.

TAA

	FROM	TO	ALT
1.	009/30 CW 189/30 (NOPT)	ZOLAK (IF/IAF) (FB)	3700
2.	189/30 CW 009/30	ZOLAK (IF/IAF) (FO)	3700

CITY AND STATE	ELEVATION: 1182 THRE: 1179	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MOUNTAIN VIEW, MO	AIRPORT NAME: MOUNTAIN VIEW	RNAV	RNAV (GPS) RWY 10, ORIG-A 14 NOVEMBER 2013	AMDT: ORIG
				DATED: 06/27/2013

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMNF
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	365937.6285N
LTP/FTP LONGITUDE	0914318.6285W
LTP/FTP ELLIPSOIDAL HEIGHT	+03298
FPAP LATITUDE	365923.3200N
FPAP LONGITUDE	0914128.8500W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1320
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	73A488B8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03594
FPAP ORTHOMETRIC HEIGHT	+03594

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CUNIM K30    W     N37000741W091470783                    E0001     NAR          CUNIM
        SUSAEAENRT   TIYUR K30    W     N36574275W091284437                    W0001     NAR          TIYUR
        SUSAEAENRT   YIGPU K30    W     N37002511W091492455                    E0002     NAR          YIGPU
        SUSAEAENRT   ZOLAK K30    W     N37012229W091564864                    E0003     NAR          ZOLAK

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMNFK3AMNF     0     050YHN36593420W091425210W000001182         1800018000C    MNAR    MOUNTAIN VIEW

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMNFK3FR10   AZOLAK 010ZOLAKK3EA0EE AR   HF                    09910040    + 03700     18000                A JS
        SUSAP KMNFK3FR10   R       010ZOLAKK3EA0E  I    IF                                + 03700     18000                A JS
        SUSAP KMNFK3FR10   R       020YIGPUK3EA1E  F 051TF                    09910060    + 02800                          A JS
        SUSAP KMNFK3FR10   R       020YIGPUK3EA2WALP        N          ALNAV                                               JS
        SUSAP KMNFK3FR10   R       021CUNIMK3EA0E S  031TF                    09920019    + 02200                          A JS
        SUSAP KMNFK3FR10   R       030RW10 K3PG0GY M 031TF                    09920031      01820               000        A JS
        SUSAP KMNFK3FR10   R       040         0  M     CA                    0992        + 01582                          A JS
        SUSAP KMNFK3FR10   R       050TIYURK3EA0EY       DF                              + 03700                          A JS
        SUSAP KMNFK3FR10   R       060TIYURK3EA0EE  R    HM                    27940040    + 03700                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMNFK3GRW10    0050050992 N36593763W091431863-0800    +032980117903190007 5R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMNFK3PR10   RW10 001 0000W10A0N3659376285W0914318628 5+032980000N3659233200W0914128850010675132000000 0F40000073A488B8
        SUSAP KMNFK3PR10   RW10 002E      +03594+03594LP       73032
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1182 THRE: 1179	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MOUNTAIN VIEW, MO	AIRPORT NAME: MOUNTAIN VIEW	RNAV	RNAV (GPS) RWY 10, ORIG-A 14 NOVEMBER 2013	AMDT: ORIG DATED: 06/27/2013

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

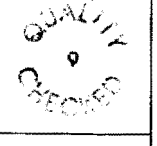
ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ZOLAK	ZOLAK	010	IAF	HF	R	FO		099.1(099.1T)	004.0	AA 03700	
		ZOLAK	010	FACF	IF		FB				AA 03700	
		YIGPU	020	FAF	TF		FB	0.5	099.1(099.1T)	006.0	AA 02800	
		CUNIM	021	SDF	TF		FB	0.3	099.2(099.2T)	001.9	AA 02200	
		RW10	030	MAP	TF		FO	0.3	099.2(099.2T)	003.1	AT 01820	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		099.2(099.2T)		AA 01582	
	TIYUR	050		DF		FO				AA 03700	
	TIYUR	060		HM	R	FO		279.4(279.4T)	004.0	AA 03700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUNIM	N370007.41	W0914707.83	N3700.124	W09147.131
	TIYUR	N365742.75	W0912844.37	N3657.713	W09128.740
	YIGPU	N370025.11	W0914924.55	N3700.419	W09149.409
	ZOLAK	N370122.29	W0915648.64	N3701.372	W09156.811
	RW10	N365937.63	W0914318.63	N3659.627	W09143.311

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	01179	00



CITY AND STATE	ELEVATION: 1182 THRE: 1179	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MOUNTAIN VIEW, MO	AIRPORT NAME: MOUNTAIN VIEW	RNAV	RNAV (GPS) RWY 10, ORIG-A 14 NOVEMBER 2013	AMDT: ORIG DATED: 06/27/2013

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MAP VORTAC	TIYUR (FO)	158.43 / 40.50	3700
LEPER	TIYUR (FO)	260.70 / 47.48	3700
TIYUR (IF/IAF)	JETOB (FB)	279.37 / 6.00	2800
JETOB (FAF)	WEPSA/2.90 NM TO RW28 (FB)	279.30 / 2.16	
WEPSA/2.90 NM TO RW28	RW28 (MAP) (FO)	279.30 / 2.90	
RW28 (MAP)	1560 MSL	279.30	
1560 MSL	ZOLAK (FO)		3700

MISSED APPROACH

LP: RW28
LNAV: RW28

CLIMB TO 3700 DIRECT ZOLAK AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 099.08 INBOUND.
CHART FAS OBST: 1260 TREE 365924N/0914215W
CHART FAS OBST: 1319 TREE 365901N/0914148W
WAAS CHANNEL # 63232
REFERENCE PATH ID: W28A
LTP HAE: 316.9 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E TIYUR, RT, 279.37 INBOUND, 3700 FT. IN LIEU OF PT (IAF)
3. FAC: 279.30 FAF: JETOB DIST FAF TO MAP: 5.06 THLD: 5.06
4. MIN. ALT: TIYUR 3700, JETOB 2800, WEPSA/2.90 NM TO RW28 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:

MAG VAR: 0W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1560	1	423	1560	1	423	1560	1 1/4	423	1560	1 1/4	423			
LNAV MDA	1620	1	483	1620	1	483	1620	1 3/8	483	1620	1 3/8	483			
CIRCLING	1880	1	698	2080	1 1/4	898	2080	2 3/4	898	2180	3	998			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: USE WEST PLAINS ALTIMETER SETTING; WHEN NOT RECEIVED, USE FORT LEONARD WOOD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE LP CATS C AND D VISIBILITY 1/8 MILE, INCREASE LNAV
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1182 THRE: 1137 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MOUNTAIN VIEW, MO	MOUNTAIN VIEW	RNAV	RNAV (GPS) RWY 28, ORIG-A 14 NOVEMBER 2013	AMDT: ORIG DATED 06/27/2013

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

NOTES, (CONT.):
CATS C AND D AND CIRCLING CATS B AND C VISIBILITY 1/4 MILE.
CHART PROFILE NOTE: DESCENT ANGLE NA.
CHART NOTE: PROCEDURE NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	189/30 CW 009/30 (NOPT)	TIYUR (IF/IAF) (FB)	3700
2.	009/30 CW 189/30	TIYUR (IF/IAF) (FO)	3700

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMNF
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	365930.1955N
LTP/FTP LONGITUDE	0914221.6220W
LTP/FTP ELLIPSOIDAL HEIGHT	+03169
FPAP LATITUDE	365944.5100N
FPAP LONGITUDE	0914411.4000W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	27B56846

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03465
FPAP ORTHOMETRIC HEIGHT	+03465

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MAP   K3011340VTLA N37352676W091471885    N37352676W091471885E0060013741     NARMAPLES

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   JETOB K30    W     N36584123W091360766                    E0000     NAR          JETOB
        SUSAEAENRT   LEPER K30    C   L N37053798W090301611                    W0008     NAR          LEPER
        SUSAEAENRT   TIYUR K30    W     N36574275W091284437                    W0001     NAR          TIYUR
        SUSAEAENRT   WEPSA K30    W     N36590217W091384729                    E0000     NAR          WEPSA
        SUSAEAENRT   ZOLAK K30    W     N37012229W091564864                    E0003     NAR          ZOLAK

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMNFK3AMNF     0     050YHN36593420W091425210W000001182         18000018000C    MNAR    MOUNTAIN VIEW

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMNFK3FR28   ALEPER 010LEPERK3EA0E       IF                                          18000              A JS
        SUSAP KMNFK3FR28   ALEPER 020TIYURK3EA0EY   020TF                    26070475    + 03700                     A JS
        SUSAP KMNFK3FR28   ALEPER 030TIYURK3EA0EE AR   HF                    27940040    + 03700                     A JS
        SUSAP KMNFK3FR28   AMAP   010MAP  K3D 0V       IF                                  18000                   A JS
        SUSAP KMNFK3FR28   AMAP   020TIYURK3EA0EY   020TF                    15840405    + 03700                     A JS
        SUSAP KMNFK3FR28   AMAP   030TIYURK3EA0EE AR   HF                    27940040    + 03700                     A JS
        SUSAP KMNFK3FR28   R      010TIYURK3EA0E  I    IF                                + 03700    18000            A JS
        SUSAP KMNFK3FR28   R      020JETOBK3EA1E  F 051TF                    27940060    + 02800                     A JS
        SUSAP KMNFK3FR28   R      020JETOBK3EA2WALP         N          ALNAV                                        JS
        SUSAP KMNFK3FR28   R      021WEPSAK3EA0E S  031TF                    27930022    + 02100                     A JS
        SUSAP KMNFK3FR28   R      030RW28 K3PG0GY M 031TF                    27930029      01620          000        A JS
        SUSAP KMNFK3FR28   R      040          0  M     CA                    2793        + 01560                     A JS
        SUSAP KMNFK3FR28   R      050ZOLAKK3EA0EY       DF                                + 03700                     A JS
        SUSAP KMNFK3FR28   R      060ZOLAKK3EA0EE  R    HM                    09910040    + 03700                     A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMNFK3GRW28     0050052792 N36593020W091422162+0800     +03169011370000000075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

CITY AND STATE	ELEVATION: **1182** **THRE: 1137**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MOUNTAIN VIEW, MO	AIRPORT NAME: **MOUNTAIN VIEW**	**RNAV**	**RNAV (GPS) RWY 28, ORIG-A** 14 NOVEMBER 2013	AMDT: **ORIG**
				DATED: **06/27/2013**

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

```
SUSAP KMNFK3PR28    RW28 001 0000W28A0N3659301955W09142216220+031690000N3659445100W0914411400010675122400000OF40000027B56846
SUSAP KMNFK3PR28    RW28 002E      +03465+03465LP        63232
```

CITY AND STATE	ELEVATION: 1182 THRE: 1137	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MOUNTAIN VIEW, MO	AIRPORT NAME: **MOUNTAIN VIEW**	**RNAV**	**RNAV (GPS) RWY 28, ORIG-A** 14 NOVEMBER 2013	AMDT: **ORIG**
				DATED: **06/27/2013**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	LEPER	LEPER	010		IF		FB					
	LEPER	TIYUR	020		TF		FO	2.0	260.7(260.7T)	047.5	AA 03700	
	LEPER	TIYUR	030	IAF	HF	R	FO		279.4(279.4T)	004.0	AA 03700	
	MAP	MAP	010		IF		FB					
	MAP	TIYUR	020		TF		FO	2.0	158.4(158.4T)	040.5	AA 03700	
	MAP	TIYUR	030	IAF	HF	R	FO		279.4(279.4T)	004.0	AA 03700	
		TIYUR	010	FACF	IF		FB				AA 03700	
		JETOB	020	FAF	TF		FB	0.5	279.4(279.4T)	006.0	AA 02800	
		WEPSA	021	SDF	TF		FB	0.3	279.3(279.3T)	002.2	AA 02100	
		RW28	030	MAP	TF		FO	0.3	279.3(279.3T)	002.9	AT 01620	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		279.3(279.3T)		AA 01560	
	ZOLAK	050		DF		FO				AA 03700	
	ZOLAK	060		HM	R	FO		099.1(099.1T)	004.0	AA 03700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MAP	N373526.76	W0914718.85	N3735.446	W09147.314
	JETOB	N365841.23	W0913607.66	N3658.687	W09136.128
	LEPER	N370537.98	W0903016.11	N3705.633	W09030.269
	TIYUR	N365742.75	W0912844.37	N3657.713	W09128.740
	WEPSA	N365902.17	W0913847.29	N3659.036	W09138.788
	ZOLAK	N370122.29	W0915648.64	N3701.372	W09156.811
	RW28	N365930.20	W0914221.62	N3659.503	W09142.360

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	01137	00

CITY AND STATE	ELEVATION: **1182** **THRE: 1137**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MOUNTAIN VIEW, MO	AIRPORT NAME: **MOUNTAIN VIEW**	**RNAV**	**RNAV (GPS) RWY 28, ORIG-A** 14 NOVEMBER 2013	AMDT: **ORIG**
				DATED: **06/27/2013**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
VIKES (IAF)	CANYA (TF) (FB) (RNP 1.00)	335.67 / 11.97	9500
CANYA (IF)	GOYET (TF) (FB) (RNP 1.00)	335.64 / 5.00	8000
GOYET	HOMES (RF) (FB) (RNP 0.70)	(2.90 NM RADIUS CCW (CFFKL))/1.40	7700
KLOCK (IF)	ICEYA (TF) (FB) (RNP 1.00)	308.03 / 3.16	9000
ICEYA	HOMES (TF) (FB) (RNP 1.00)	307.99 / 4.14	7700
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 13000 ON TRACK 164.11 TO ZIDGO AND ON TRACK 180.55 TO USINE AND ON TRACK 124.37 TO YARKU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 13000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. *PROFILE STARTS AT HOMES*
3. FAC: % FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: *HOMES 7700, WORTH 6400*
5. DIST TO THLD FROM OM: 6.00 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 6400 GS ALT AT: WORTH 6400, URATE 5445 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 75.0 # 34:1 IS NOT CLEAR
8. MSA FROM: RW16L 12000

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 346.76 INBOUND.
CHART 4501 TOWER 393127N/1194557W
CHART 4458 TREE 393102N/1194605W.
CHART 4490 TREE 393112N/1194554W.
CHART 4497 POLE 393118N/1194553W.
CHART 4454 ROD ON POLE 393101N/1194558W.
CHART 4458 POLE 393101N/1194557W.
DISTANCE TO THLD FROM 377 HATH: 0.95 NM.
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
ROUTE TYPE: A, H
#TCH 4489.8 MSL (DO NOT CHART)

MAG VAR: 16E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: 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
AUTHORIZATION REQUIRED															
*RNP 0.12 DA	4792	1 1/8	377	4792	1 1/8	377	4792	1 1/8	377	4792	1 1/8	377			
RNP 0.30 DA	5127	2 1/2	712	5127	2 1/2	712	5127	2 1/2	712	5127	2 1/2	712			

NOTES:
CHART NOTE: *MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 252 FEET PER NM TO 7200.
@ CAT A, B, C, D 800-2 1/2
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (7F) OR ABOVE 44C (111F).
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: RF REQUIRED.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 4415 THRE: 4415 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
RENO, NV	RENO/TAHOE INTL	RNAV	RNAV (RNP) Y RWY 16L, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG DATED 06/30/2011

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HOMES	WORTH (RF) (FB) (RNP 0.60)	(2.90 NM RADIUS CCW (CFFKL))/4.28	6400
WORTH (FAF)	%URATE (RF) (FB)	(2.90 NM RADIUS CCW (CFFKL))/3.00	
URATE	%RW16L (MAP) (TF) (FO)	164.11 / 3.00	
RW16L (MAP)	ZIDGO (TF) (FB) (RNP 1.00)	164.11 / 8.77	
ZIDGO	USINE (TF) (FB) (RNP 1.00)	180.55 / 6.72	
USINE	YARKU (TF) (FO) (RNP 1.00)	124.37 / 9.36	13000

NOTES, (CONT.):
CHART NOTE: GPS REQUIRED.
CHART PLANVIEW NOTE AT HOMES : MAX 210 KIAS.
CHART PLANVIEW NOTE AT GOYET : MAX 210 KIAS.
CHART PLANVIEW NOTE AT VIKES: (RNP 0.60).
CHART PLANVIEW NOTE AT KLOCK: (RNP 0.60).
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VIKES ON V494 SOUTHWEST BOUND.

CITY AND STATE	ELEVATION: 4415 THRE: 4415	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
RENO, NV	AIRPORT NAME: RENO/TAHOE INTL	RNAV	RNAV (RNP) Y RWY 16L, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG
				DATED: 06/30/2011

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

ARINC PACKET - 424-18 - RNAV (RNP)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CANYA K20    W     N39291764W119373563                    E0138     NAR           CANYA
        SUSAEAENRT   CFFKL K20    W     N39334958W119421475                    E0139     NAR           CNF(CFFKL)
        SUSAEAENRT   GOYET K20    W     N39341499W119383209                    E0139     NAR           GOYET
        SUSAEAENRT   HOMES K20    W     N39353211W119391277                    E0139     NAR           HOMES
        SUSAEAENRT   ICEYA K20    W     N39321097W119360380                    E0139     NAR           ICEYA
        SUSAEAENRT   KLOCK K20    W     N39293760W119334004                    E0138     NAR           KLOCK
        SUSAEAENRT   URATE K20    W     N39334997W119455982                    E0139     NAR           URATE
        SUSAEAENRT   USINE K20    W     N39153611W119482949                    E0138     NAR           USINE
        SUSAEAENRT   VIKES K20    C   L N39172659W119352123                    E0138     NAR           VIKES
        SUSAEAENRT   WORTH K20    W     N39361942W119440956                    E0139     NAR           WORTH
        SUSAEAENRT   YARKU K20    C   L N39082293W119404912                    E0138     NAR           YARKU
        SUSAEAENRT   ZIDGO K20    W     N39220316W119460157                    E0138     NAR           ZIDGO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRNOK2ARNO     0     110YHN39295680W119460520E016004415         1800018000C    MNAR    RENO/TAHOE INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRNOK2FH16LY AKLOCK 010KLOCKK2EA0E  B    IF                                          18000                 A FS
        SUSAP KRNOK2FH16LY AKLOCK 020ICEYAK2EA0E    010TF                                 + 09000                          A FS
        SUSAP KRNOK2FH16LY AKLOCK 030HOMESK2EA0E    010TF                                 + 07700          210             A-FS
        SUSAP KRNOK2FH16LY AKLOCK 040WORTHK2EA0EE  L061RF       0029003080    22340043    + 06400                 CFFKL K2EAA FS
        SUSAP KRNOK2FH16LY AVIKES 010VIKESK2EA0E  A    IF                                          18000                 A FS
        SUSAP KRNOK2FH16LY AVIKES 020CANYAK2EA0E  B 010TF                                 + 09500                          A FS
        SUSAP KRNOK2FH16LY AVIKES 030GOYETK2EA0E    010TF                                 + 08000          210             A-FS
        SUSAP KRNOK2FH16LY AVIKES 040HOMESK2EA0E   L071RF       0029003356    30800014    + 07700          210    CFFKL K2EAA-FS
        SUSAP KRNOK2FH16LY AVIKES 050WORTHK2EA0EE  L061RF       0029003080    22340043    + 06400                 CFFKL K2EAA FS
        SUSAP KRNOK2FH16LY H      020WORTHK2EA1E  F    IF                                 + 06400     18000       RW16L K2PGA FS
        SUSAP KRNOK2FH16LY H      020WORTHK2EA2W                                               A031A122                      FS
        SUSAP KRNOK2FH16LY H      021URATEK2EA0E   L031RF       0029002234    16410030                       -300CFFKL K2EAA FS
        SUSAP KRNOK2FH16LY H      030RW16LK2PG0GY M 031TF                                  04490             -300          A FS
        SUSAP KRNOK2FH16LY H      040ZIDGOK2EA0E M  010TF                                                                  A FS
        SUSAP KRNOK2FH16LY H      050USINEK2EA0E    010TF                                                                  A FS
        SUSAP KRNOK2FH16LY H      060YARKUK2EA0EY   010TF                                 + 13000                          A FS
        SUSAP KRNOK2FH16LY H      070YARKUK2EA0EE  R   HM                     34680080    + 13000                          A FS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

CITY AND STATE	ELEVATION: 4415 THRE: 4415	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RENO, NV	AIRPORT NAME: RENO/TAHOE INTL	RNAV	RNAV (RNP) Y RWY 16L, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG DATED: 6/30/2011

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

```
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KRNOK2GRW16L   0090001641 N39304982W119460026-0100    +1321504415000055150R
------------------------------------------------------------------------------------------------------------------------------
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KRNOK2SRW16LK2PG                0   18018012025                                                                M
```

CITY AND STATE	ELEVATION: 4415 THRE: 4415	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RENO, NV	AIRPORT NAME: RENO/TAHOE INTL	RNAV	RNAV (RNP) Y RWY 16L, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG DATED: 6/30/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	KLOCK	KLOCK	010		IF		FB					
	KLOCK	ICEYA	020		TF		FB	1.0			AA 09000	
	KLOCK	HOMES	030		TF		FB	1.0			AA 07700	AB 210
	KLOCK	WORTH	040		RF	L	FB	0.6		004.3	AA 06400	
	VIKES	VIKES	010	IAF	IF		FB					
	VIKES	CANYA	020		TF		FB	1.0			AA 09500	
	VIKES	GOYET	030		TF		FB	1.0			AA 08000	AB 210
	VIKES	HOMES	040		RF	L	FB	0.7		001.4	AA 07700	AB 210
	VIKES	WORTH	050		RF	L	FB	0.6		004.3	AA 06400	
		WORTH	020	FAF	IF		FB				AA 06400	
		URATE	021		RF	L	FB	0.3		003.0		
		RW16L	030	MAP	TF		FO	0.3			AT 04490	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ZIDGO	040		TF		FB	1.0				
	USINE	050		TF		FB	1.0				
	YARKU	060		TF		FO	1.0			AA 13000	
	YARKU	070		HM	R	FO		346.8(002.8T)	008.0	AA 13000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CANYA	N392917.64	W1193735.63	N3929.294	W11937.594
	CFFKL	N393349.58	W1194214.75	N3933.826	W11942.246
	GOYET	N393414.99	W1193832.09	N3934.250	W11938.535
	HOMES	N393532.11	W1193912.77	N3935.535	W11939.213
	ICEYA	N393210.97	W1193603.80	N3932.183	W11936.063
	KLOCK	N392937.60	W1193340.04	N3929.627	W11933.667
	URATE	N393349.97	W1194559.82	N3933.833	W11945.997
	USINE	N391536.11	W1194829.49	N3915.602	W11948.492
	VIKES	N391726.59	W1193521.23	N3917.443	W11935.354
	WORTH	N393619.42	W1194409.56	N3936.324	W11944.159
	YARKU	N390822.93	W1194049.12	N3908.382	W11940.819
	ZIDGO	N392203.16	W1194601.57	N3922.053	W11946.026
	RW16L	N393049.82	W1194600.26	N3930.830	W11946.004

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16L	04415	55

CITY AND STATE	ELEVATION: **4415** **THRE: 4415**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RENO, NV	AIRPORT NAME: **RENO/TAHOE INTL**	**RNAV**	**RNAV (RNP) Y RWY 16L, AMDT 1** 14 NOVEMBER 2013	AMDT: **ORIG** DATED: **6/30/2011**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
VIKES (IAF)	CANYA (TF) (FB) (RNP 1.00)	335.67 / 11.97	9500
CANYA (IF)	GOYET (TF) (FB) (RNP 1.00)	335.64 / 5.00	8000
GOYET	HOMES (RF) (FB) (RNP 0.70)	(2.90 NM RADIUS CCW (CFFKL))/1.40	7700
KLOCK (IF)	ICEYA (TF) (FB) (RNP 1.00)	308.03 / 3.16	9000
ICEYA	HOMES (TF) (FB) (RNP 1.00)	307.99 / 4.14	7700
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 13000 ON TRACK 164.12 TO ZAKBI AND ON TRACK 179.59 TO USINE AND ON TRACK 124.37 TO YARKU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 13000.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 346.76 INBOUND.
DISTANCE TO THLD FROM 402 HATH: 1.03 NM.
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
ROUTE TYPE: A, H
#TCH 4477.9 MSL (DO NOT CHART)

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. *PROFILE STARTS AT HOMES*
3. FAC: % FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: *HOMES 7700, ZENDO 7000, MASTR 6400*
5. DIST TO THLD FROM OM: 5.84 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 6400 GS ALT AT: MASTR 6400, OKITE 5465 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.10 TCH: 63.0 # 34:1 IS NOT CLEAR
8. MSA FROM: RW16R 12000

MAG VAR: 16E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: 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
AUTHORIZATION REQUIRED															
*RNP 0.17 DA	4817	4000	402	4817	4000	402	4817	4000	402	4817	4000	402			
RNP 0.30 DA	5132	1 7/8	717	5132	1 7/8	717	5132	1 7/8	717	5132	1 7/8	717			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (7F) OR ABOVE 36C (98F). @ CAT A, B, C, D 800-2 1/2
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.17 ALL CATS VISIBILITY TO 1 1/4 AND RNP 0.30 ALL CATS VISIBILITY TO 2 1/2.
CHART NOTE: *MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 260 FEET PER NM TO 7000.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 4415 THRE: 4415 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
RENO, NV	RENO/TAHOE INTL	RNAV	RNAV (RNP) Y RWY 16R, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG DATED 06/30/2011

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HOMES	ZENDO (RF) (FB) (RNP 0.70)	(2.85 NM RADIUS CCW (CFFKQ))/2.54	7000
ZENDO	MASTR (RF) (FB) (RNP 0.70)	(3.04 NM RADIUS CCW (CFFKN))/2.09	6400
MASTR (FAF)	%OKITE (RF) (FB)	(3.05 NM RADIUS CCW (CFFKM))/2.84	
OKITE	%RW16R (MAP) (TF) (FO)	164.12 / 3.00	
RW16R (MAP)	ZAKBI (TF) (FB) (RNP 1.00)	164.12 / 8.61	
ZAKBI	USINE (TF) (FB) (RNP 1.00)	179.59 / 6.69	
USINE	YARKU (TF) (FO) (RNP 1.00)	124.37 / 9.36	13000

NOTES, (CONT.):
CHART NOTE: RF REQUIRED.
CHART NOTE: GPS REQUIRED.
CHART PLANVIEW NOTE AT HOMES : MAX 210 KIAS.
CHART PLANVIEW NOTE AT GOYET : MAX 210 KIAS.
CHART PLANVIEW NOTE AT VIKES: (RNP 0.70).
CHART PLANVIEW NOTE AT KLOCK: (RNP 0.70).
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VIKES ON V494 SOUTHWEST BOUND.

CITY AND STATE	ELEVATION: 4415 THRE: 4415	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
RENO, NV	AIRPORT NAME: RENO/TAHOE INTL	RNAV	RNAV (RNP) Y RWY 16R, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG
				DATED: 06/30/2011

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

ARINC PACKET - 424-18 - RNAV (RNP)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   CANYA K20    W     N39291764W119373563                    E0138    NAR          CANYA
          SUSAEAENRT   CFFKL K20    W     N39334958W119421475                    E0139    NAR          CNF(CFFKL)
          SUSAEAENRT   CFFKM K20    W     N39333966W119421217                    E0139    NAR          CNF(CFFKM)
          SUSAEAENRT   CFFKN K20    W     N39334010W119421259                    E0139    NAR          CNF(CFFKN)
          SUSAEAENRT   CFFKQ K20    W     N39335120W119421187                    E0139    NAR          CNF(CFFKQ)
          SUSAEAENRT   GOYET K20    W     N39341499W119383209                    E0139    NAR          GOYET
          SUSAEAENRT   HOMES K20    W     N39353211W119391277                    E0139    NAR          HOMES
          SUSAEAENRT   ICEYA K20    W     N39321097W119360380                    E0139    NAR          ICEYA
          SUSAEAENRT   KLOCK K20    W     N39293760W119334004                    E0138    NAR          KLOCK
          SUSAEAENRT   MASTR K20    W     N39360686W119443290                    E0139    NAR          MASTR
          SUSAEAENRT   OKITE K20    W     N39334011W119460873                    E0139    NAR          OKITE
          SUSAEAENRT   USINE K20    W     N39153611W119482949                    E0138    NAR          USINE
          SUSAEAENRT   VIKES K20    C   L N39172659W119352123                    E0138    NAR          VIKES
          SUSAEAENRT   YARKU K20    C   L N39082293W119404912                    E0138    NAR          YARKU
          SUSAEAENRT   ZAKBI K20    W     N39220317W119461061                    E0138    NAR          ZAKBI
          SUSAEAENRT   ZENDO K20    W     N39364243W119420075                    E0139    NAR          ZENDO

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KRNOK2ARNO     0     110YHN39295680W119460520E016004415          1800018000C    MNAR     RENO/TAHOE INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KRNOK2FH16RY AKLOCK 010KLOCKK2EA0E  B    IF                                          18000                A FS
          SUSAP KRNOK2FH16RY AKLOCK 020ICEYAK2EA0E    010TF                                    + 09000                    A FS
          SUSAP KRNOK2FH16RY AKLOCK 030HOMESK2EA0E    010TF                                    + 07700         210        A-FS
          SUSAP KRNOK2FH16RY AKLOCK 040ZENDOK2EA0E    L071RF      0028503080    25690025       + 07000                    CFFKQ K2EAA FS
          SUSAP KRNOK2FH16RY AKLOCK 050MASTRK2EA0EE   L071RF      0030402569    21750021       + 06400                    CFFKN K2EAA FS
          SUSAP KRNOK2FH16RY AVIKES 010VIKESK2EA0E  A    IF                                          18000                A FS
          SUSAP KRNOK2FH16RY AVIKES 020CANYAK2EA0E  B 010TF                                       + 09500                    A FS
          SUSAP KRNOK2FH16RY AVIKES 030GOYETK2EA0E    010TF                                    + 08000         210        A-FS
          SUSAP KRNOK2FH16RY AVIKES 040HOMESK2EA0E    L071RF      0029003356    30800014       + 07700         210        CFFKL K2EAA-FS
          SUSAP KRNOK2FH16RY AVIKES 050ZENDOK2EA0E    L071RF      0028503080    25690025       + 07000                    CFFKQ K2EAA FS
          SUSAP KRNOK2FH16RY AVIKES 060MASTRK2EA0EE   L071RF      0030402569    21750021       + 06400                    CFFKN K2EAA FS
          SUSAP KRNOK2FH16RY H      020MASTRK2EA1E  F    IF                                    + 06400    18000           RW16R K2PGA FS
          SUSAP KRNOK2FH16RY H      020MASTRK2EA2W                                                  A031A172                FS
          SUSAP KRNOK2FH16RY H      021OKITEK2EA0E    L031RF      0030502175    16410028                          -310CFFKM K2EAA FS
          SUSAP KRNOK2FH16RY H      030RW16RK2PG0GY M 031TF                                 04478                      -310        A FS
          SUSAP KRNOK2FH16RY H      040ZAKBIK2EA0E M  010TF                                                                     A FS
```

CITY AND STATE	ELEVATION: **4415** THRE: **4415**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RENO, NV	AIRPORT NAME: **RENO/TAHOE INTL**	**RNAV**	**RNAV (RNP) Y RWY 16R, AMDT 1** 14 NOVEMBER 2013	AMDT: **ORIG** DATED: **06/30/2011**

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

```
SUSAP KRNOK2FH16RY H      050USINEK2EA0E    010TF                                                A FS
SUSAP KRNOK2FH16RY H      060YARKUK2EA0EY   010TF                          + 13000               A FS
SUSAP KRNOK2FH16RY H      070YARKUK2EA0EE R  HM                 34680080    + 13000               A FS
```

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KRNOK2GRW16R   0110021641 N39303996W119460922+0000    +13215044150999631501IRNO1
```

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KRNOK2SRW16RK2PG              0   18018012025                                                              M
```

CITY AND STATE	ELEVATION: 4415 THRE: 4415	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RENO, NV	AIRPORT NAME: RENO/TAHOE INTL	RNAV	RNAV (RNP) Y RWY 16R, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG
				DATED: 06/30/2011

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

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	KLOCK	KLOCK	010		IF		FB					
	KLOCK	ICEYA	020		TF		FB	1.0			AA 09000	
	KLOCK	HOMES	030		TF		FB	1.0			AA 07700	AB 210
	KLOCK	ZENDO	040		RF	L	FB	0.7		002.5	AA 07000	
	KLOCK	MASTR	050		RF	L	FB	0.7		002.1	AA 06400	
	VIKES	VIKES	010	IAF	IF		FB					
	VIKES	CANYA	020		TF		FB	1.0			AA 09500	
	VIKES	GOYET	030		TF		FB	1.0			AA 08000	AB 210
	VIKES	HOMES	040		RF	L	FB	0.7		001.4	AA 07700	AB 210
	VIKES	ZENDO	050		RF	L	FB	0.7		002.5	AA 07000	
	VIKES	MASTR	060		RF	L	FB	0.7		002.1	AA 06400	
		MASTR	020	FAF	IF		FB				AA 06400	
		OKITE	021		RF	L	FB	0.3		002.8		
		RW16R	030	MAP	TF		FO	0.3			AT 04478	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ZAKBI	040		TF		FB	1.0				
	USINE	050		TF		FB	1.0				
	YARKU	060		TF		FO	1.0			AA 13000	
	YARKU	070		HM	R	FO		346.8(002.8T)	008.0	AA 13000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CANYA	N392917.64	W1193735.63	N3929.294	W11937.594
	CFFKL	N393349.58	W1194214.75	N3933.826	W11942.246
	CFFKM	N393339.66	W1194212.17	N3933.661	W11942.203
	CFFKN	N393340.10	W1194212.59	N3933.668	W11942.210
	CFFKQ	N393351.20	W1194211.87	N3933.853	W11942.198
	GOYET	N393414.99	W1193832.09	N3934.250	W11938.535
	HOMES	N393532.11	W1193912.77	N3935.535	W11939.213
	ICEYA	N393210.97	W1193603.80	N3932.183	W11936.063
	KLOCK	N392937.60	W1193340.04	N3929.627	W11933.667
	MASTR	N393606.86	W1194432.90	N3936.114	W11944.548
	OKITE	N393340.11	W1194608.73	N3933.669	W11946.146
	USINE	N391536.11	W1194829.49	N3915.602	W11948.492
	VIKES	N391726.59	W1193521.23	N3917.443	W11935.354
	YARKU	N390822.93	W1194049.12	N3908.382	W11940.819
	ZAKBI	N392203.17	W1194610.61	N3922.053	W11946.177
	ZENDO	N393642.43	W1194200.75	N3936.707	W11942.013
	RW16R	N393039.96	W1194609.22	N3930.666	W11946.154

CITY AND STATE	ELEVATION: 4415 THRE: 4415	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RENO, NV	AIRPORT NAME: RENO/TAHOE INTL	RNAV	RNAV (RNP) Y RWY 16R, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG DATED: 06/30/2011

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

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW16R	04415	63

CITY AND STATE	ELEVATION: 4415 THRE: 4415	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RENO, NV	AIRPORT NAME: RENO/TAHOE INTL	RNAV	RNAV (RNP) Y RWY 16R, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG DATED: 06/30/2011

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SHIRT	FIMOJ (FB)	154.71 / 33.77	3000
YRK VORTAC	GIJWE (FB)	351.81 / 22.23	3300
FIMOJ (IAF)	TUKIW (FB)	157.97 / 5.00	3000
GIJWE (IAF)	TUKIW (FB)	338.03 / 5.00	3000
TUKIW (IF)	UBDOW (FB)	068.00 / 6.10	2300
UBDOW (FAF)	WETBI/2.70 NM TO RW07 (FB)	068.07 / 2.26	
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV: RW07

CLIMB TO 3000 DIRECT IGMIY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 248.27 INBOUND.
CHART FAS OBST: 999 TREE 390949N/0825755W
CHART BUCKEYE MOA.
CHART BRUSH CREEK MOA.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT TUKIW
3. FAC: 068.07 FAF: UBDOW DIST FAF TO MAP: 4.96 THLD: 4.96
4. MIN. ALT: TUKIW 3000, UBDOW 2300, WETBI/2.70 NM TO RW07 1560
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 3100

MAG VAR: 6W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1440	1	779	1440	1 1/4	779	1440	2 1/4	779	1440	2 1/2	779			
CIRCLING	1500	1	839	1520	1 1/4	859	1520	2 1/2	859	1520	2 3/4	859			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT YRK VORTAC ON AIRWAY RADIALS 291 CW 035.
CHART PROFILE NOTE: DESCENT ANGLE NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 661 TDZE: 661	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WAVERLY, OH	AIRPORT NAME: PIKE COUNTY	RNAV	RNAV (GPS) RWY 7, ORIG-A 14 NOVEMBER 2013	AMDT: ORIG
				DATED 03/12/2009

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WETBI/2.70 NM TO RW07	RW07 (MAP) (FO)	068.07 / 2.70	
RW07 (MAP)	1061 MSL	068.07	
1061 MSL	IGMIY (FO)		3000

NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: USE PORTSMOUTH ALTIMETER SETTING; WHEN NOT RECEIVED, USE RICKENBACKER INTL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND LNAV CATS C AND D, AND CIRCLING CATS A, C , AND D VISIBILITY 1/4 MILE.

CITY AND STATE	ELEVATION: 661 TDZE: 661	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WAVERLY, OH	AIRPORT NAME: PIKE COUNTY	RNAV	RNAV (GPS) RWY 7, ORIG-A 14 NOVEMBER 2013	AMDT: ORIG
				DATED: 03/12/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        YRK   K5011280VTL  N38383888W082584202    N38383888W082584202W0050010401     NARYORK

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FIMOJ K50    W     N39090356W083114330                    W0067     NAR          FIMOJ
        SUSAEAENRT   GIJWE K50    W     N39001330W083054158                    W0067     NAR          GIJWE
        SUSAEAENRT   IGMIY K50    W     N39152199W082423863                    W0070     NAR          IGMIY
        SUSAEAENRT   SHIRT K50    C   L N39375872W083341614                    W0065     NAR          SHIRT
        SUSAEAENRT   TUKIW K50    W     N39043847W083084225                    W0067     NAR          TUKIW
        SUSAEAENRT   UBDOW K50    W     N39073037W083014672                    W0068     NAR          UBDOW
        SUSAEAENRT   WETBI K50    W     N39083380W082591300                    W0068     NAR          WETBI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEOPK5AEOP     0     048YHN39100110W082554200W006000661         1800018000C    MNAR    PIKE COUNTY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEOPK5FR07   ASHIRT 010SHIRTK5EA0E       IF                                          18000                B JS
        SUSAP KEOPK5FR07   ASHIRT 020FIMOJK5EA0E  A 020TF                    15470338    + 03000                       B JS
        SUSAP KEOPK5FR07   ASHIRT 030TUKIWK5EA0EE B 010TF                    15800050    + 03000                       B JS
        SUSAP KEOPK5FR07   AYRK   010YRK  K5D 0V       IF                                          18000                B JS
        SUSAP KEOPK5FR07   AYRK   020GIJWEK5EA0E  A 020TF                    35180222    + 03300                       B JS
        SUSAP KEOPK5FR07   AYRK   030TUKIWK5EA0EE B 010TF                    33800050    + 03000                       B JS
        SUSAP KEOPK5FR07   R      010TUKIWK5EA0E  I    IF                                + 03000   18000               B JS
        SUSAP KEOPK5FR07   R      020UBDOWK5EA1E  F 051TF                    06800061    + 02300             RW07  K5PGB JS
        SUSAP KEOPK5FR07   R      020UBDOWK5EA2WN          N          ALNAV                                            JS
        SUSAP KEOPK5FR07   R      021WETBIK5EA0E S  031TF                    06810023    + 01560                       B JS
        SUSAP KEOPK5FR07   R      030RW07 K5PG0GY M 031TF                    06810027      01440           000         B JS
        SUSAP KEOPK5FR07   R      040         0  M     CA                    0681        + 01061                       B JS
        SUSAP KEOPK5FR07   R      050IGMIYK5EA0EY      DF                                + 03000                       B JS
        SUSAP KEOPK5FR07   R      060IGMIYK5EA0EE  L   HM                    24830040    + 03000                       B JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEOPK5GRW07    0048990681 N39094976W082560947+0000    +0167100659000000075R
```

CITY AND STATE	ELEVATION: 661 TDZE: 661	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WAVERLY, OH	AIRPORT NAME: **PIKE COUNTY**	**RNAV**	**RNAV (GPS) RWY 7, ORIG-A** 14 NOVEMBER 2013	AMDT: **ORIG**
				DATED: **03/21/2009**

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KEOPK5SRW07 K5PG                0   18018003125                                                                  M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 661 TDZE: 661	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WAVERLY, OH	AIRPORT NAME: PIKE COUNTY	RNAV	RNAV (GPS) RWY 7, ORIG-A 14 NOVEMBER 2013	AMDT: ORIG DATED: 03/21/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	SHIRT	SHIRT	010		IF		FB					
	SHIRT	FIMOJ	020	IAF	TF		FB	2.0	154.7(148.7T)	033.8	AA 03000	
	SHIRT	TUKIW	030		TF		FB	1.0	158.0(152.0T)	005.0	AA 03000	
	YRK	YRK	010		IF		FB					
	YRK	GIJWE	020	IAF	TF		FB	2.0	351.8(345.8T)	022.2	AA 03300	
	YRK	TUKIW	030		TF		FB	1.0	338.0(332.0T)	005.0	AA 03000	
		TUKIW	010	FACF	IF		FB				AA 03000	
		UBDOW	020	FAF	TF		FB	0.5	068.0(062.0T)	006.1	AA 02300	
		WETBI	021	SDF	TF		FB	0.3	068.1(062.1T)	002.3	AA 01560	
		RW07	030	MAP	TF		FO	0.3	068.1(062.1T)	002.7	AT 01440	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		068.1(062.1T)		AA 01061	
	IGMIY	050		DF		FO				AA 03000	
	IGMIY	060		HM	L	FO		248.3(242.3T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	YRK	N383838.88	W0825842.02	N3838.648	W08258.700
	FIMOJ	N390903.56	W0831143.30	N3909.059	W08311.722
	GIJWE	N390013.30	W0830541.58	N3900.222	W08305.693
	IGMIY	N391521.99	W0824238.63	N3915.367	W08242.644
	SHIRT	N393758.72	W0833416.14	N3937.979	W08334.269
	TUKIW	N390438.47	W0830842.25	N3904.641	W08308.704
	UBDOW	N390730.37	W0830146.72	N3907.506	W08301.779
	WETBI	N390833.80	W0825913.00	N3908.563	W08259.217
	RW07	N390949.76	W0825609.47	N3909.829	W08256.158

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW07	00659	00

CITY AND STATE	ELEVATION: **661** **TDZE: 661**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WAVERLY, OH	AIRPORT NAME: **PIKE COUNTY**	**RNAV**	**RNAV (GPS) RWY 7, ORIG-A** 14 NOVEMBER 2013	AMDT: **ORIG**
				DATED: **03/21/2009**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CTW VOR/DME	CERER (FB)	130.43 / 28.33	3400
RANDE	DIWUV (FB)	359.89 / 14.60	3700
WISKE	KIVGE (FB)	199.48 / 13.75	3400
GALLS	ZELTU (FB)	285.96 / 24.90	3900
ZELTU	KIVGE (FB)	286.95 / 8.51	3400
KIVGE (IAF)	ZUPEN (NOPT) (FB)	254.24 / 7.70	3000
CERER (IAF)	ZUPEN (NOPT) (FB)	164.10 / 8.00	3000
(SEE FORM 8260-10)			

MISSED APPROACH

LP: RW25
LNAV: RW25

CLIMB TO 1900 THEN CLIMBING RIGHT TURN TO 3000 DIRECT ZUPEN AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 1359 TREE 394733N/0810431W
CHART FAS OBST: 1379 TREE 394756N/0810422W
WAAS CHANNEL # 65833
REFERENCE PATH ID: W25A
CHART CIRCLING ICON.
LTP HAE: 329.1 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E ZUPEN, RT, 254.14 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 254.08 FAF: YOSUY DIST FAF TO MAP: 5.56 THLD: 5.56
4. MIN. ALT: ZUPEN 3000, YOSUY 3000, COXOB/2.30 NM TO RW25 1960
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: RW25 3400

MAG VAR: 8W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1700	1	510	1700	1	510	1700	1 3/8	510		NA				
LNAV MDA	1720	1	530	1720	1	530	1720	1 1/2	530		NA				
CIRCLING	1860	1	663	1860	1	663	1860	1 3/4	663		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: USE WHEELING OHIO CO, WV ALTIMETER SETTING; WHEN NOT RECEIVED USE PARKERSBURG, WV ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET; INCREASE LP CAT C, LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 1197 THRE: 1190 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WOODSFIELD, OH	MONROE COUNTY	RNAV	RNAV (GPS) RWY 25, ORIG 14 NOVEMBER 2013	AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DIWUV (IAF)	ZUPEN (NOPT) (FB)	344.18 / 8.00	3000
ZUPEN (IF/IAF)	YOSUY (FB)	254.14 / 5.00	3000
YOSUY (FAF)	COXOB/2.30 NM TO RW25 (FB)	254.08 / 3.26	
COXOB/2.30 NM TO RW25	RW25 (MAP) (FO)	254.08 / 2.30	
RW25 (MAP)	1900 MSL	254.08	1900
1900 MSL	ZUPEN (FO)		3000

NOTES, (CONT.):
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBIITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KIVGE ON V103-309 SOUTHEAST BOUND; AT RANDE ON V44 EASTBOUND; AT GALLS ON V119 NORTHEAST BOUND; AT WISKE ON V443 EASTBOUND AND V117 NORTHBOUND; AND FOR ARRIVAL ON CTW AIRWAY RADIALS 094 CW 181.
CHART PROFILE NOTE: DESCENT ANGLE NA.

CITY AND STATE	ELEVATION: 1197 THRE: 1190	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WOODSFIELD, OH	AIRPORT NAME: MONROE COUNTY	RNAV	RNAV (GPS) RWY 25, ORIG 14 NOVEMBER 2013	AMDT: NONE
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	4G5
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	394652.2275N
LTP/FTP LONGITUDE	0810547.7430W
LTP/FTP ELLIPSOIDAL HEIGHT	+03291
FPAP LATITUDE	394615.9600N
FPAP LONGITUDE	0810733.3190W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1592
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	4480BDD5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03628
FPAP ORTHOMETRIC HEIGHT	+03628

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAD        CTW   K5011180VDLA N40134515W081283532    N40134515W081283532W0070011801     NARNEWCOMERSTOWN

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   CERER K50    W     N39582854W080572889                    W0085     NAR          CERER
       SUSAEAENRT   COXOB K50    W     N39474835W081030416                    W0084     NAR          COXOB
       SUSAEAENRT   DIWUV K60    W     N39434988W080490466                    W0085     NAR          DIWUV
       SUSAEAENRT   GALLS K60    C   L N39493435W080010986                    W0091     NAR          GALLS
       SUSAEAENRT   KIVGE K60    C   L N39541593W080440727                    W0086     NAR          KIVGE
       SUSAEAENRT   RANDE K60    C   L N39292210W080462452                    W0085     NAR          RANDE
       SUSAEAENRT   WISKE K60    C   L N40074489W080403394                    W0087     NAR          WISKE
       SUSAEAENRT   YOSUY K50    W     N39490770W080591242                    W0084     NAR          YOSUY
       SUSAEAENRT   ZELTU K60    W     N39525700W080331200                    W0087     NAR          ZELTU
       SUSAEAENRT   ZUPEN K50    W     N39510929W080531633                    W0085     NAR          ZUPEN

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP 4G5 K5A4G5     0     038YHN39464458W081061001W008001197        1800018000C    MNAR     MONROE COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------
       SUSAP 4G5 K5FR25   ACTW   010CTW  K5D 0V       IF                                          18000              A JS
       SUSAP 4G5 K5FR25   ACTW   020CERERK5EA0E  A 020TF                13040283    + 03400                         A JS
       SUSAP 4G5 K5FR25   ACTW   030ZUPENK5EA0EE B 010TF                16410080    + 03000                         A JS
       SUSAP 4G5 K5FR25   AGALLS 010GALLSK6EA0E       IF                                          18000              A JS
       SUSAP 4G5 K5FR25   AGALLS 020ZELTUK6EA0E    020TF                28600249    + 03900                         A JS
       SUSAP 4G5 K5FR25   AGALLS 030KIVGEK6EA0E  A 020TF                28700085    + 03400                         A JS
       SUSAP 4G5 K5FR25   AGALLS 040ZUPENK5EA0EE B 010TF                25420077    + 03000                         A JS
       SUSAP 4G5 K5FR25   AKIVGE 010KIVGEK6EA0E  A    IF                                          18000              A JS
       SUSAP 4G5 K5FR25   AKIVGE 020ZUPENK5EA0EE B 010TF                25420077    + 03000                         A JS
       SUSAP 4G5 K5FR25   ARANDE 010RANDEK6EA0E       IF                                          18000              A JS
       SUSAP 4G5 K5FR25   ARANDE 020DIWUVK6EA0E  A 020TF                35990146    + 03700                         A JS
       SUSAP 4G5 K5FR25   ARANDE 030ZUPENK5EA0EE B 010TF                34420080    + 03000                         A JS
       SUSAP 4G5 K5FR25   AWISKE 010WISKEK6EA0E       IF                                          18000              A JS
       SUSAP 4G5 K5FR25   AWISKE 020KIVGEK6EA0E  A 020TF                19950138    + 03400                         A JS
       SUSAP 4G5 K5FR25   AWISKE 030ZUPENK5EA0EE B 010TF                25420077    + 03000                         A JS
       SUSAP 4G5 K5FR25   AZUPEN 010ZUPENK5EA0EE AR   HF                25410040    + 03000    18000                A JS
       SUSAP 4G5 K5FR25   R      010ZUPENK5EA0E  I    IF                            + 03000    18000                A JS
```

CITY AND STATE	ELEVATION: 1197 THRE: 1190	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WOODSFIELD, OH	AIRPORT NAME: MONROE COUNTY	RNAV	RNAV (GPS) RWY 25, ORIG 14 NOVEMBER 2013	AMDT: NONE
				DATED:

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

```
        SUSAP 4G5 K5FR25   R      020YOSUYK5EA1E  F 051TF                    25410050    + 03000                RW25  K5PGA JS
        SUSAP 4G5 K5FR25   R      020YOSUYK5EA2WALP        N          ALNAV                                                JS
        SUSAP 4G5 K5FR25   R      021COXOBK5EA0E S  031TF                    25410033    + 01960                          A JS
        SUSAP 4G5 K5FR25   R      030RW25 K5PG0GY M 031TF                    25410023      01720              000         A JS
        SUSAP 4G5 K5FR25   R      040          0  M     CA                   2541        + 01900                          A JS
        SUSAP 4G5 K5FR25   R      050ZUPENK5EA0EY  R   DF                                + 03000                          A JS
        SUSAP 4G5 K5FR25   R      060ZUPENK5EA0EE  R   HM                    25410040    + 03000                          A JS
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 4G5 K5GRW25    0038052540 N39465223W081054774+0100    +0329101190000000075R
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 4G5 K5PR25   RW25 001 0000W25A0N3946522275W08105477430+032910000N3946159600W081073331901067515920000000F4000004480BDD5
        SUSAP 4G5 K5PR25   RW25 002E      +03628+03628LP        65833
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 4G5 K5SRW25 K5PG                0   18018003425                                                                  M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1197 THRE: 1190	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WOODSFIELD, OH	AIRPORT NAME: MONROE COUNTY	RNAV	RNAV (GPS) RWY 25, ORIG 14 NOVEMBER 2013	AMDT: NONE DATED:

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CTW	CTW	010		IF		FB					
	CTW	CERER	020	IAF	TF		FB	2.0	130.4(122.4T)	028.3	AA 03400	
	CTW	ZUPEN	030		TF		FB	1.0	164.1(156.1T)	008.0	AA 03000	
	GALLS	GALLS	010		IF		FB					
	GALLS	ZELTU	020		TF		FB	2.0	286.0(278.0T)	024.9	AA 03900	
	GALLS	KIVGE	030	IAF	TF		FB	2.0	287.0(279.0T)	008.5	AA 03400	
	GALLS	ZUPEN	040		TF		FB	1.0	254.2(246.2T)	007.7	AA 03000	
	KIVGE	KIVGE	010	IAF	IF		FB					
	KIVGE	ZUPEN	020		TF		FB	1.0	254.2(246.2T)	007.7	AA 03000	
	RANDE	RANDE	010		IF		FB					
	RANDE	DIWUV	020	IAF	TF		FB	2.0	359.9(351.9T)	014.6	AA 03700	
	RANDE	ZUPEN	030		TF		FB	1.0	344.2(336.2T)	008.0	AA 03000	
	WISKE	WISKE	010		IF		FB					
	WISKE	KIVGE	020	IAF	TF		FB	2.0	199.5(191.5T)	013.8	AA 03400	
	WISKE	ZUPEN	030		TF		FB	1.0	254.2(246.2T)	007.7	AA 03000	
	ZUPEN	ZUPEN	010	IAF	HF	R	FO		254.1(246.1T)	004.0	AA 03000	
		ZUPEN	010	FACF	IF		FB				AA 03000	
		YOSUY	020	FAF	TF		FB	0.5	254.1(246.1T)	005.0	AA 03000	
		COXOB	021	SDF	TF		FB	0.3	254.1(246.1T)	003.3	AA 01960	
		RW25	030	MAP	TF		FO	0.3	254.1(246.1T)	002.3	AT 01720	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		254.1(246.1T)		AA 01900	
	ZUPEN	050		DF	R	FO				AA 03000	
	ZUPEN	060		HM	R	FO		254.1(246.1T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CTW	N401345.15	W0812835.32	N4013.753	W08128.589
	CERER	N395828.54	W0805728.89	N3958.476	W08057.482
	COXOB	N394748.35	W0810304.16	N3947.806	W08103.069
	DIWUV	N394349.88	W0804904.66	N3943.831	W08049.078
	GALLS	N394934.35	W0800109.86	N3949.573	W08001.164
	KIVGE	N395415.93	W0804407.27	N3954.266	W08044.121
	RANDE	N392922.10	W0804624.52	N3929.368	W08046.409
	WISKE	N400744.89	W0804033.94	N4007.748	W08040.566
	YOSUY	N394907.70	W0805912.42	N3949.128	W08059.207
	ZELTU	N395257.00	W0803312.00	N3952.950	W08033.200
	ZUPEN	N395109.29	W0805316.33	N3951.155	W08053.272
	RW25	N394652.23	W0810547.74	N3946.871	W08105.796

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1197 THRE: 1190	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WOODSFIELD, OH	AIRPORT NAME: MONROE COUNTY	RNAV	RNAV (GPS) RWY 25, ORIG 14 NOVEMBER 2013	AMDT: NONE
				DATED:

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

' RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW25	01190	00

CITY AND STATE	ELEVATION: 1197 THRE: 1190	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WOODSFIELD, OH	AIRPORT NAME: MONROE COUNTY	RNAV	RNAV (GPS) RWY 25, ORIG 14 NOVEMBER 2013	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
AIR VOR/DME (IF/IAF)	HOUSR/AIR 14.00 DME	229.46 / 14.00	3000

MISSED APPROACH

MAP: AIR 19.14 DME FIX

CLIMB TO 3000 THEN LEFT TURN ON AIR VOR/DME R-229.46 TO HOUSR/AIR 14.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 229.46 INBOUND.
CHART FAS OBST: 1399 TREE 394939N/0810511W
ZESRU TO RW25: 3.35/40.
CHART CIRCLING ICON.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT AIR VOR/DME
3. FAC 229.46 FAF HOUSR/AIR 14.00 DME DIST FAF TO MAP ____ THLD 5.14
4. MIN. ALT AIR VOR/DME 3000, HOUSR 3000, ZESRU/AIR 17.20 DME 1920
8. MSA FROM: AIR VOR/DME 3400

MAG VAR: 7W EPOCH YEAR:1990

MINIMUMS

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

ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-25	1740	1	550	1740	1	550	1740	1 5/8	550		NA				
CIRCLING	1860	1	663	1860	1	663	1860	1 3/4	663		NA				

NOTES:

CHART NOTE: USE WHEELING OHIO CO, WV ALTIMETER SETTING; WHEN NOT RECEIVED USE PARKERSBURG, WV ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET; INCREASE S-25 CAT C VISIBILITY 1/8 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: PROCEDURE NA AT NIGHT.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 1197 THRE: 1190	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP VOR/DME OR GPS RWY 25
WOODSFIELD, OH	AIRPORT NAME: MONROE COUNTY	AIR	VOR/DME RWY 25, AMDT 7 14 NOVEMBER 2013	AMDT 6
			QUALITY CHECKED	DATE 08/20/1992

FAA FORM 8260-5 / April 2006 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON AIR VOR/DME AIRWAY RADIALS 224 CW 272.

QUALITY 3 CHECKED

CITY AND STATE	ELEVATION: 1197 THRE: 1190	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: VOR/DME OR GPS RWY 25
WOODSFIELD, OH	AIRPORT NAME: MONROE COUNTY	AIR	VOR/DME RWY 25, AMDT 7 14 NOVEMBER 2013	AMDT: 6
				DATED: 08/20/1992

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JOTEG (IAF)	UTOTE (NOPT) (FB)	260.94 / 6.00	3200
YIVUS (IAF)	UTOTE (NOPT) (FB)	080.80 / 6.00	3200
UTOTE (IF/IAF)	WUVTO (FB)	170.87 / 6.90	2500
WUVTO (FAF)	TUKUC/1.80 NM TO RW17 (FB)	170.89 / 3.45	
TUKUC/1.80 NM TO RW17	RW17 (MAP) (FO)	170.89 / 1.80	
RW17 (MAP)	1182 MSL	170.89	
1182 MSL	ZAROM (FO)		2500

MISSED APPROACH

LP: RW17
LNAV: RW17

CLIMB TO 2500 DIRECT ZAROM AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 350.94 INBOUND.
CHART FAS OBST: 946 TREE 343112N/0824329W
CHART FAS OBST: 946 TREE 343136N/0824318W
CHART 1086 TOWER 343324N/0824303W.
WAAS CHANNEL # 49034
REFERENCE PATH ID: W17A
WUVTO TO RW17: 3.00/45.
CHART CIRCLING ICON
LTP HAE: 207.9 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N UTOTE, RT, 170.87 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
3. FAC: 170.89 FAF: WUVTO DIST FAF TO MAP: 5.25 THLD: 5.25
4. MIN. ALT: UTOTE 3200, WUVTO 2500, TUKUC/1.80 NM TO RW17 1400
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: ____

MAG VAR: 5W EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1200	1	418	1200	1	418	1200	1 1/8	418	1200	1 1/8	418			
LNAV MDA	1220	1	438	1220	1	438	1220	1 1/4	438	1220	1 1/4	438			
CIRCLING	1260	1	478	1320	1	538	1440	1 3/4	658	1500	2 1/4	718			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLEMSON ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE LP, LNAV AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.
CHART NOTE: RWY 17 STRAIGHT-IN AND CIRCLING AND CIRCLING TO RWY 23/35 NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

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

QUALITY CONTROL

CITY AND STATE	ELEVATION: 782 THRE: 782	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ANDERSON, SC	AIRPORT NAME: ANDERSON RGNL		RNAV (GPS) RWY 17, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG
				DATED 03/15/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport 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.	081/30 CW 261/30 (NOPT)	081/11 CW 261/11	7200
2.	081/11 CW 261/11	UTOTE (IF/IAF) (FB)	3200
3.	261/30 CW 351/30	JOTEG (IAF) (FB)	3200
4.	351/30 CW 081/30	YIVUS (IAF) (FB)	3400

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 782 THRE: 782	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ANDERSON, SC	AIRPORT NAME: ANDERSON RGNL	RNAV	RNAV (GPS) RWY 17, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG
				DATED: 03/15/2007

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAND
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	343005.5835N
LTP/FTP LONGITUDE	0824243.7095W
LTP/FTP ELLIPSOIDAL HEIGHT	+02079
FPAP LATITUDE	342839.0200N
FPAP LONGITUDE	0824217.4500W
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)	0.0
CRC REMAINDER	F4E33E07

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02383
FPAP ORTHOMETRIC HEIGHT	+02383

QUALITY 4

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   JOTEG K70    W     N34432180W082391560                    W0062     NAR           JOTEG
          SUSAEAENRT   TUKUC K70    W     N34315050W082431556                    W0061     NAR           TUKUC
          SUSAEAENRT   UTOTE K70    W     N34415398W082461912                    W0061     NAR           UTOTE
          SUSAEAENRT   WUVTO K70    W     N34351181W082441672                    W0061     NAR           WUVTO
          SUSAEAENRT   YIVUS K70    W     N34402574W082532240                    W0060     NAR           YIVUS
          SUSAEAENRT   ZAROM K70    W     N34172083W082385230                    W0061     NAR           ZAROM

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KANDK7AAND     0     060YHN34294050W082423380W005000782         1800018000C    MNAR    ANDERSON RGNL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KANDK7FR17   AJOTEG 010JOTEGK7EA0E  A    IF                                          18000                A JS
          SUSAP KANDK7FR17   AJOTEG 020UTOTEK7EA0EE B 010TF                    26090060    + 03200                      A JS
          SUSAP KANDK7FR17   AUTOTE 010UTOTEK7EA0EE AR   HF                   17090040    + 03200     18000            A JS
          SUSAP KANDK7FR17   AYIVUS 010YIVUSK7EA0E  A    IF                                      18000                A JS
          SUSAP KANDK7FR17   AYIVUS 020UTOTEK7EA0EE B 010TF                    08080060    + 03200                      A JS
          SUSAP KANDK7FR17   R      010UTOTEK7EA0E  I    IF                                  + 03200     18000        A JS
          SUSAP KANDK7FR17   R      020WUVTOK7EA1E  F 051TF                    17090069    + 02500                      A JS
          SUSAP KANDK7FR17   R      020WUVTOK7EA2WALP        N          ALNAV                                           JS
          SUSAP KANDK7FR17   R      021TUKUCK7EA0E S  031TF                    17090035    V 0140001400        -300     A JS
          SUSAP KANDK7FR17   R      030RW17 K7PG0GY M 031TF                    17090018      00827             -300     A JS
          SUSAP KANDK7FR17   R      040         0  M     CA                    1709        + 01182                      A JS
          SUSAP KANDK7FR17   R      050ZAROMK7EA0EY       DF                               + 02500                      A JS
          SUSAP KANDK7FR17   R      060ZAROMK7EA0EE  R    HM                   35090040    + 02500                      A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KANDK7GRW17    0049961709 N34300558W082424371-0900    +02079007820000045149R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KANDK7PR17   RW17 001 0000W17A0N3430055835W08242437095+020790300N3428390200W0824217450010675122400045OF400000F4E33E07
          SUSAP KANDK7PR17   RW17 002E      +02383+02383LP        49034
```

CITY AND STATE	ELEVATION: 782 THRE: 782	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ANDERSON, SC	AIRPORT NAME: **ANDERSON RGNL**	**RNAV**	**RNAV (GPS) RWY 17, AMDT 1** 14 NOVEMBER 2013	AMDT: **ORIG**
				DATED: **03/15/2007**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	JOTEG	JOTEG	010	IAF	IF		FB					
	JOTEG	UTOTE	020		TF		FB	1.0	260.9(255.9T)	006.0	AA 03200	
	UTOTE	UTOTE	010	IAF	HF	R	FO		170.9(165.9T)	004.0	AA 03200	
	YIVUS	YIVUS	010	IAF	IF		FB					
	YIVUS	UTOTE	020		TF		FB	1.0	080.8(075.8T)	006.0	AA 03200	
		UTOTE	010	FACF	IF		FB				AA 03200	
		WUVTO	020	FAF	TF		FB	0.5	170.9(165.9T)	006.9	AA 02500	
		TUKUC	021	SDF	TF		FB	0.3	170.9(165.9T)	003.5	AA 01400	GS 01400
		RW17	030	MAP	TF		FO	0.3	170.9(165.9T)	001.8	AT 00827	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		170.9(165.9T)		AA 01182	
	ZAROM	050		DF		FO				AA 02500	
	ZAROM	060		HM	R	FO		350.9(345.9T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	JOTEG	N344321.80	W0823915.60	N3443.363	W08239.260
	TUKUC	N343150.50	W0824315.56	N3431.842	W08243.259
	UTOTE	N344153.98	W0824619.12	N3441.900	W08246.319
	WUVTO	N343511.81	W0824416.72	N3435.197	W08244.279
	YIVUS	N344025.74	W0825322.40	N3440.429	W08253.373
	ZAROM	N341720.83	W0823852.30	N3417.347	W08238.872
	RW17	N343005.58	W0824243.71	N3430.093	W08242.729

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00782	45

CITY AND STATE	ELEVATION: 782 THRE: 782	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ANDERSON, SC	AIRPORT NAME: ANDERSON RGNL	RNAV	RNAV (GPS) RWY 17, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG DATED: 03/15/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
YALBU (IAF)	ZAROM (NOPT) (FB)	080.87 / 6.00	2500
WUPOX (IAF)	ZAROM (NOPT) (FB)	261.01 / 6.00	2500
ZAROM (IF/IAF)	HUVSA (FB)	350.94 / 6.90	2500
HUVSA (FAF)	YUTUC/2.10 NM TO RW35 (FB)	350.92 / 3.30	
YUTUC/2.10 NM TO RW35	RW35 (MAP) (FO)	350.92 / 2.10	
RW35 (MAP)	1160 MSL	350.92	
1160 MSL	UTOTE (FO)		3200

MISSED APPROACH

LP: RW35
LNAV: RW35

CLIMB TO 3200 DIRECT UTOTE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 170.87 INBOUND.
CHART FAS OBST: 899 TREE 342754N/0824205W
CHART FAS OBST: 899 TREE 342754N/0824205W
CHART 1131 TOWER 342627N/0824159W.
WAAS CHANNEL # 93734
REFERENCE PATH ID: W35A
CHART CIRCLING ICON

LTP HAE: 194.1 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S ZAROM, RT, 350.94 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 350.92 FAF: HUVSA DIST FAF TO MAP: 5.40 THLD: 5.40
4. MIN. ALT: ZAROM 2500, HUVSA 2500, YUTUC/2.10 NM TO RW35 1440
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: ____

MAG VAR: 5W EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1160	1	423	1160	1	423	1160	1 1/4	423	1160	1 1/4	423			
LNAV MDA	1180	1	443	1180	1	443	1180	1 3/8	443	1180	1 3/8	443			
CIRCLING	1260	1	478	1320	1	538	1440	1 3/4	658	1500	2 1/4	718			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLEMSON ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE LP AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
SEE 8260-10

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

CITY AND STATE	ELEVATION: 782 THRE: 737	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ANDERSON, SC	AIRPORT NAME: ANDERSON RGNL		RNAV (GPS) RWY 35, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG
				DATED 03/15/2007

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

NOTES (CONT'D):
CHART NOTE: RWY 35 STRAIGHT-IN AND CIRCLING AND CIRCLING TO RWY 17/23 NA AT NIGHT.
CHART PROFILE NOTE: DESCENT ANGLE NA.

TAA

	FROM	TO	ALT
1.	261/30 CW 081/30 (NOPT)	ZAROM (IF/IAF) (FB)	2500
2.	081/30 CW 171/30	YALBU (IAF) (FB)	3100
3.	171/30 CW 261/30	WUPOX (IAF) (FB)	3000

QUALITY 4

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAND
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	342917.6610N
LTP/FTP LONGITUDE	0824229.1730W
LTP/FTP ELLIPSOIDAL HEIGHT	+01941
FPAP LATITUDE	343044.2200N
FPAP LONGITUDE	0824255.4400W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	05FCF2BA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02245
FPAP ORTHOMETRIC HEIGHT	+02245

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   HUVSA K70    W     N34240310W082405385                    W0061     NAR           HUVSA
        SUSAEAENRT   UTOTE K70    W     N34415398W082461912                    W0061     NAR           UTOTE
        SUSAEAENRT   WUPOX K70    W     N34184824W082315071                    W0062     NAR           WUPOX
        SUSAEAENRT   YALBU K70    W     N34155302W082455364                    W0061     NAR           YALBU
        SUSAEAENRT   YUTUC K70    W     N34271525W082415205                    W0061     NAR           YUTUC
        SUSAEAENRT   ZAROM K70    W     N34172083W082385230                    W0061     NAR           ZAROM

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KANDK7AAND     0     060YHN34294050W082423380W005000782         1800018000C    MNAR    ANDERSON RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KANDK7FR35   AWUPOX 010WUPOXK7EA0E  A    IF                                          18000                A JS
        SUSAP KANDK7FR35   AWUPOX 020ZAROMK7EA0EE B 010TF                    26100060    + 02500                      A JS
        SUSAP KANDK7FR35   AYALBU 010YALBUK7EA0E  A    IF                                          18000                A JS
        SUSAP KANDK7FR35   AYALBU 020ZAROMK7EA0EE B 010TF                    08090060    + 02500                      A JS
        SUSAP KANDK7FR35   AZAROM 010ZAROMK7EA0EE AR   HF                    35090040    + 02500     18000            A JS
        SUSAP KANDK7FR35   R       010ZAROMK7EA0E  I    IF                                + 02500     18000            A JS
        SUSAP KANDK7FR35   R       020HUVSAK7EA1E  F 051TF                    35090069    + 02500                      A JS
        SUSAP KANDK7FR35   R       020HUVSAK7EA2WALP       N          ALNAV                                          JS
        SUSAP KANDK7FR35   R       021YUTUCK7EA0E S  031TF                    35090033    + 01440                      A JS
        SUSAP KANDK7FR35   R       030RW35 K7PG0GY M 031TF                    35090021      01180          000         A JS
        SUSAP KANDK7FR35   R       040         0  M     CA                    3509        + 01160                      A JS
        SUSAP KANDK7FR35   R       050UTOTEK7EA0EY       DF                              + 03200                      A JS
        SUSAP KANDK7FR35   R       060UTOTEK7EA0EE  R    HM                    17090040    + 03200                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KANDK7GRW35    0049963509 N34291766W082422917+0900    +01941007370000000149R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KANDK7PR35   RW35 001 0000W35A0N3429176610W08242291730+01941000 0N3430442200W0824255440010675122400000 0F40000005FCF2BA
        SUSAP KANDK7PR35   RW35 002E      +02245+02245LP        93734
```

CITY AND STATE	ELEVATION: **782** **THRE: 737**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ANDERSON, SC	AIRPORT NAME: **ANDERSON RGNL**	**RNAV**	**RNAV (GPS) RWY 35, AMDT 1** 14 NOVEMBER 2013	AMDT: **ORIG**
				DATED: **03/15/2007**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	WUPOX	WUPOX	010	IAF	IF		FB					
	WUPOX	ZAROM	020		TF		FB	1.0	261.0(256.0T)	006.0	AA 02500	
	YALBU	YALBU	010	IAF	IF		FB					
	YALBU	ZAROM	020		TF		FB	1.0	080.9(075.9T)	006.0	AA 02500	
	ZAROM	ZAROM	010	IAF	HF	R	FO		350.9(345.9T)	004.0	AA 02500	
		ZAROM	010	FACF	IF		FB				AA 02500	
		HUVSA	020	FAF	TF		FB	0.5	350.9(345.9T)	006.9	AA 02500	
		YUTUC	021	SDF	TF		FB	0.3	350.9(345.9T)	003.3	AA 01440	
		RW35	030	MAP	TF		FO	0.3	350.9(345.9T)	002.1	AT 01180	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		350.9(345.9T)		AA 01160	
	UTOTE	050		DF		FO				AA 03200	
	UTOTE	060		HM	R	FO		170.9(165.9T)	004.0	AA 03200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HUVSA	N342403.10	W0824053.85	N3424.052	W08240.898
	UTOTE	N344153.98	W0824619.12	N3441.900	W08246.319
	WUPOX	N341848.24	W0823150.71	N3418.804	W08231.845
	YALBU	N341553.02	W0824553.64	N3415.884	W08245.894
	YUTUC	N342715.25	W0824152.05	N3427.254	W08241.868
	ZAROM	N341720.83	W0823852.30	N3417.347	W08238.872
	RW35	N342917.66	W0824229.17	N3429.294	W08242.486

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	00737	00

CITY AND STATE	ELEVATION: 782 THRE: 737	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ANDERSON, SC	AIRPORT NAME: ANDERSON RGNL	RNAV	RNAV (GPS) RWY 35, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG DATED: 03/15/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MSN VORTAC	RUKIY INT/ 5.16 DME/RADAR	358.20 / 5.16	3000
DLL VORTAC (IAF)	DECAL INT/ 14.26 DME (NOPT)	114.94 / 21.46 (MSN LR-351)	3000
DECAL INT/ 14.26 DME (IF)	GATNE INT/MSN 8.39 DME	181.94 / 5.87 (I-DSZ)	2700
GATNE INT/MSN 8.39 DME	RUKIY INT/MSN 5.16 DME/RADAR	181.94 / 3.23 (I-DSZ)	2500

MISSED APPROACH

ILS: DA
LOC: MSN 0.20 DME FIX

CLIMB TO 2700 DIRECT MONAH LOM/MSN 4.94 DME/RADAR AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 3500 ON HEADING 070 AND ON BAE VORTAC R-270 TO DREAR/BAE 33.66 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 002.51 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W DREAR/BAE 33.66 DME, LT, 090.43 INBOUND.
FAS OBST: 1079 TREE 431229N/0891938W
CHART: ASR.
CHART IN PLANVIEW: DREAR/BAE 33.66 DME.
CHART 3000 PRIOR TO RUKIY IN PROFILE.
CHART: MSN R-180 AT MONAH LOM

1. PT L SIDE OF COURSE 001.94 OUTBOUND 2800 FT WITHIN 10 MILES OF RUKIY (IAF)
2.
3. FAC: 181.94 FAF: RUKIY INT/MSN 5.16 DME/RADAR DIST FAF TO MAP: THLD: 4.97
4. MIN. ALT: GATNE 2700, RUKIY 2500
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1094
6. MIN GS INCPT: 2500 GS ALT AT: RUKIY 2500 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 57.3
8. MSA FROM: MSN VORTAC 360-180 3100, 180-360 3600

MAG VAR: 0E EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: # | LOC: STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 18**	1059	2400	200	1059	2400	200	1059	2400	200	1059	2400	200	1059	2400	200
S-LOC 18	1340	2400	481	1340	2400	481	1340	5000	481	1340	5000	481	1340	5000	481
CIRCLING	1520	1	633	1520	1	633	1520	1 3/4	633	1520	2	633	1700	3	813

NOTES:
CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 18 CATS C,D AND E VISIBILITY TO 1 3/8 MILES.
CHART NOTE: ADF OR RADAR REQUIRED.
CHART NOTE: MSN DME REQUIRED FOR PROCEDURE TURN.
CHART PROFILE NOTE: PROCEDURE TURN NA FOR CAT E.

CAT A, B, C, D 700-2, CAT E 900-3
@ CAT E 900-3
#@ NA WHEN CONTROL TOWER CLOSED.

QUALIFIED

CITY AND STATE	ELEVATION: 887 THRE: 859 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	DANE COUNTY RGNL-TRUAX FIELD	I-DSZ	ILS OR LOC/DME RWY 18, AMDT 1C 14 NOVEMBER 2013	AMDT: 1B DATED 5/29/2013

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

ARINC PACKET - 424-18 - ILS

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAD        DLL   K5011700VTH  N43330300W089454904    N43330300W089454904E0030010232     NARDELLS
         SUSAD        LNR   K5011280VDLA N43173985W090075933    N43173985W090075933E0000011851     NARLONE ROCK
         SUSAD        MSN   K5010860VTLW N43084141W089202291    N43084141W089202291E0030008571     NARMADISON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMSNK5AMSN     0     090YHN43082356W089201502E000000887         1800018000C    MNAR    DANE COUNTY RGNL-TRUAX FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
TRM WP   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMSNK5CDECAL K50    R     N43225661W089194890                   W0026     NAR          DECAL
         SUSAP KMSNK5CGATNE K50    C     N43170478W089200508                   W0026     NAR          GATNE
         SUSAP KMSNK5CRUKIY K50    C     N43135114W089201406                   W0026     NAR          RUKIY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMSNK5FI18   ADLL   010DLL  K5D 0V  A    IF                                                18000              0 NS
         SUSAP KMSNK5FI18   ADLL   020DECALK5PC0E  B    TF                                  + 03000                        0 NS
         SUSAP KMSNK5FI18   ADLL   030GATNEK5PC0EE       CF IDSZK5      0019009818190059PI  + 02700                        0 NS
         SUSAP KMSNK5FI18   AMSN   010MSN  K5D 0V        IF                                                18000              0 NS
         SUSAP KMSNK5FI18   AMSN   020RUKIYK5PC0E        TF                                  + 03000                        0 NS
         SUSAP KMSNK5FI18   AMSN   030RUKIYK5PC0EE AR    PI LNR K5      0960035131690100D   + 02800                        0 NS
         SUSAP KMSNK5FI18   I      010GATNEK5PC0E  I     IF IDSZK5      00190098        PI  J 0270002500180000             0 NS
         SUSAP KMSNK5FI18   I      020RUKIYK5PC0E  F     CF IDSZK5      0019006518200032PI  H 0250002500        -300MSN   K5D 0 NS
         SUSAP KMSNK5FI18   I      030RW18 K5PG0GY M     CF IDSZK5      0019001618200050PI    00917             -300           0 NS
         SUSAP KMSNK5FI18   I      040MS   K5PN0NYM      DF                                  + 02700                        0 NS
         SUSAP KMSNK5FI18   I      050MS   K5PN0NE  R    HM                        0025T010  + 02700                        0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMSNK5GRW18    0090061819 N43085295W089202787+0000    +022740085904005715OIIDSZ1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMSNK5IIDSZ1   011010RW18 N43071872W0892032231819N43084227W0892033760940 10940420300E00005700859
```

CITY AND STATE	ELEVATION: **887** **TDZE: 859**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: **DANE COUNTY RGNL-TRUAX FIELD**	**I-DSZ**	**ILS OR LOC/DME RWY 18, AMDT 1C** 14 NOVEMBER 2013	AMDT: **1B**
				DATED: **05/29/2013**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5SMSN  K5D                0   1803600312536018003625                                                                M
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAPNKMSNK5 MS    K5004000HOMW N43034593W089204544                    E0000          NARMONAH
```

CITY AND STATE	ELEVATION: 887 TDZE: 859	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	I-DSZ	ILS OR LOC/DME RWY 18, AMDT 1C 14 NOVEMBER 2013	AMDT: 1B DATED: 05/29/2013

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DLL	DLL	010	IAF	IF		FB					
	DLL	DECAL	020		TF		FB				AA 03000	
	DLL	GATNE	030		CF		FB		181.9()	005.9	AA 02700	
	MSN	MSN	010		IF		FB					
	MSN	RUKIY	020		TF		FB				AA 03000	
	MSN	RUKIY	030	IAF	PI	R	FB		316.9()	010.0	AA 02800	
		GATNE	010	FACF	IF		FB				AA 02700 GI 02500	
		RUKIY	020	FAF	CF		FB		182.0()	003.2	GI 02500 GS 02500	
		RW18	030	MAP	CF		FO		182.0()	005.0	AT 00917	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MS	040		DF		FO				AA 02700	
	MS	050		HM	R	FO		002.5()	T01.0	AA 02700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DLL	N433303.00	W0894549.04	N4333.050	W08945.817
	LNR	N431739.85	W0900759.33	N4317.664	W09007.989
	MSN	N430841.41	W0892022.91	N4308.690	W08920.382
	DECAL	N432256.61	W0891948.90	N4322.944	W08919.815
	GATNE	N431704.78	W0892005.08	N4317.080	W08920.085
	RUKIY	N431351.14	W0892014.06	N4313.852	W08920.234
	RW18	N430852.95	W0892027.87	N4308.883	W08920.465
	IDSZ (LOC)	N430718.72	W0892032.23	N4307.312	W08920.537
	MS	N430345.93	W0892045.44	N4303.766	W08920.757

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00859	57

CITY AND STATE	ELEVATION: **887** TDZE: **859**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: **DANE COUNTY RGNL-TRUAX FIELD**	**I-DSZ**	**ILS OR LOC/DME RWY 18, AMDT 1C** 14 NOVEMBER 2013	AMDT: **1B**
				DATED: **05/29/2013**

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

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

ARINC PACKET - 424-18 - LOC

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DLL   K5011700VTH  N43330300W089454904    N43330300W089454904E0030010232     NARDELLS
        SUSAD        LNR   K5011280VDLA N43173985W090075933    N43173985W090075933E0000011851     NARLONE ROCK
        SUSAD        MSN   K5010860VTLW N43084141W089202291    N43084141W089202291E0030008571     NARMADISON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5AMSN     0     090YHN43082356W089201502E000000887         1800018000C    MNAR    DANE COUNTY RGNL-TRUAX FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
TRM WP  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5CDECAL K50    R     N43225661W089194890                      W0026     NAR           DECAL
        SUSAP KMSNK5CGATNE K50    C     N43170478W089200508                      W0026     NAR           GATNE
        SUSAP KMSNK5CRUKIY K50    C     N43135114W089201406                      W0026     NAR           RUKIY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5FL18   ADLL   010DLL  K5D 0V  A    IF                                                18000                 0 DS
        SUSAP KMSNK5FL18   ADLL   020DECALK5PC0E  B    TF                                      + 03000                         0 DS
        SUSAP KMSNK5FL18   ADLL   030GATNEK5PC0EE      CF IDSZK5      0019009818190059PI  + 02700                         0 DS
        SUSAP KMSNK5FL18   AMSN   010MSN  K5D 0V       IF                                                18000                 0 DS
        SUSAP KMSNK5FL18   AMSN   020RUKIYK5PC0E       TF                                      + 03000                         0 DS
        SUSAP KMSNK5FL18   AMSN   030RUKIYK5PC0EE AR   PI LNR K5      0960035131690100D   + 02800                         0 DS
        SUSAP KMSNK5FL18   L      010GATNEK5PC0E  I    IF IDSZK5      00190098        PI  + 02700     18000                 0 DS
        SUSAP KMSNK5FL18   L      020RUKIYK5PC0E  F    CF IDSZK5      0019006518200032PI  + 02500                 MSN   K5D 0 DS
        SUSAP KMSNK5FL18   L      030RW18 K5PG0GY M    CF IDSZK5      0019001618200050PI    00917             -301          0 DS
        SUSAP KMSNK5FL18   L      040MS   K5PN0NYM     DF                                      + 02700                         0 DS
        SUSAP KMSNK5FL18   L      050MS   K5PN0NE  R   HM                      0025T010    + 02700                         0 DS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5GRW18    0090061819 N43085295W089202787+0000    +0227400859040057150IIDSZ1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5IIDSZ1   011010RW18 N43071872W0892032231819N43084227W0892033760940 10940420300E00005700859
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 887 TDZE: 859	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	I-DSZ	ILS OR LOC/DME RWY 18, AMDT 1C 14 NOVEMBER 2013	AMDT: 1B DATED: 05/29/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5SMSN  K5D                 0   1803600312536018003625                                                          M
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAPNKMSNK5 MS    K5004000HOMW N43034593W089204544                      E0000          NARMONAH
```

CITY AND STATE	ELEVATION: 887 TDZE: 859	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	I-DSZ	ILS OR LOC/DME RWY 18, AMDT 1C 14 NOVEMBER 2013	AMDT: 1B DATED: 05/29/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DLL	DLL	010	IAF	IF		FB					
	DLL	DECAL	020		TF		FB				AA 03000	
	DLL	GATNE	030		CF		FB		181.9()	005.9	AA 02700	
	MSN	MSN	010		IF		FB					
	MSN	RUKIY	020		TF		FB				AA 03000	
	MSN	RUKIY	030	IAF	PI	R	FB		316.9()	010.0	AA 02800	
		GATNE	010	FACF	IF		FB				AA 02700	
		RUKIY	020	FAF	CF		FB		182.0()	003.2	AA 02500	
		RW18	030	MAP	CF		FO		182.0()	005.0	AT 00917	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MS	040		DF		FO				AA 02700	
	MS	050		HM	R	FO		002.5()	T01.0	AA 02700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DLL	N433303.00	W0894549.04	N4333.050	W08945.817
	LNR	N431739.85	W0900759.33	N4317.664	W09007.989
	MSN	N430841.41	W0892022.91	N4308.690	W08920.382
	DECAL	N432256.61	W0891948.90	N4322.944	W08919.815
	GATNE	N431704.78	W0892005.08	N4317.080	W08920.085
	RUKIY	N431351.14	W0892014.06	N4313.852	W08920.234
	RW18	N430852.95	W0892027.87	N4308.883	W08920.465
	IDSZ (LOC)	N430718.72	W0892032.23	N4307.312	W08920.537
	MS	N430345.93	W0892045.44	N4303.766	W08920.757

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00859	57

CITY AND STATE	ELEVATION: **887** **TDZE: 859**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: **DANE COUNTY RGNL-TRUAX FIELD**	**I-DSZ**	**ILS OR LOC/DME RWY 18, AMDT 1C** 14 NOVEMBER 2013	AMDT: **1B**
				DATED: **05/29/2013**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MSN VORTAC	SIDCO (FO)	316.79 / 11.11	3200
WREST (IAF)	SIDCO (NOPT) (FB)	200.88 / 15.22	3200
NEGUS (IAF)	SIDCO (NOPT) (FB)	079.70 / 14.12	3200
SIDCO (IF/IAF)	UFDIM (FB)	136.32 / 6.02	2500
UFDIM (FAF)	HIREX/1.90 NM TO RW14 (FB)	136.39 / 3.08	
HIREX/1.90 NM TO RW14	RW14 (MAP) (FO)	136.39 / 1.90	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW14

CLIMB TO 3000 DIRECT CINOT AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW SIDCO, RT, 136.32 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
3. FAC: 136.39 FAF: UFDIM DIST FAF TO MAP: 4.98 THLD: 4.98
4. MIN. ALT: SIDCO 3200, UFDIM 2500, HIREX/1.90 NM TO RW14 1500*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: UFDIM 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR
8. MSA FROM: RW14 3600

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 316.58 INBOUND.
CHART FAS OBST: 1029 TREE 431011N/0892148W
OBST: 1260 AAO 431253N/0892457W
DISTANCE TO THLD FROM 200 HATH: 0.45 NM.
CHART VDP AT 1.18 MILES TO RW14*
*LNAV ONLY.
WAAS CHANNEL # 86821
REFERENCE PATH ID: W14A
LTP HAE: 227.3 M

MAG VAR: 0E EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1059	3/4	200	1059	3/4	200	1059	3/4	200	1059	3/4	200			
LNAV/VNAV DA	1244	1 1/4	385	1244	1 1/4	385	1244	1 1/4	385	1244	1 1/4	385			
LNAV MDA	1280	1	421	1280	1	421	1280	1 1/4	421	1280	1 1/4	421			
CIRCLING	1520	1	633	1520	1	633	1520	1 3/4	633	1520	2	633			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WREST ON V170 EASTBOUND.
(SEE FORM 8260-10)

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 859 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 14, AMDT 2B 14 NOVEMBER 2013	AMDT: 2A DATED 5/29/2013

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW14 (MAP)	1059 MSL	136.39	
1059 MSL	CINOT (FO)		3000

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MSN VORTAC AIRWAY RADIALS 231 CW 031.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 859	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 14, AMDT 2B 14 NOVEMBER 2013	AMDT: 2A
				DATED: 5/29/2013

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSN
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	430849.0570N
LTP/FTP LONGITUDE	0892025.1945W
LTP/FTP ELLIPSOIDAL HEIGHT	+02273
FPAP LATITUDE	430744.4800N
FPAP LONGITUDE	0891901.3400W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1112
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	45D78C12

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02618
FPAP ORTHOMETRIC HEIGHT	+02618

QUALITY 6 CHECKED

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MSN    K5010860VTLW N43084141W089202291    N43084141W089202291E0030008571     NARMADISON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CINOT K50    W      N42584114W089071855                    W0027     NAR           CINOT
        SUSAEAENRT   HIREX K50    W      N43101168W089221254                    W0026     NAR           HIREX
        SUSAEAENRT   NEGUS K50    C    L N43141701W089494910                    W0022     NAR           NEGUS
        SUSAEAENRT   SIDCO K50    W      N43164697W089304782                    W0025     NAR           SIDCO
        SUSAEAENRT   UFDIM K50    W      N43122553W089250671                    W0025     NAR           UFDIM
        SUSAEAENRT   WREST K50    C    L N43310070W089232210                    W0026     NAR           WREST

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5AMSN     0     090YHN43082356W089201502E000000887         1800018000C    MNAR    DANE COUNTY RGNL-TRUAX FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5FR14   AMSN   010MSN  K5D 0V       IF                                          18000                A JS
        SUSAP KMSNK5FR14   AMSN   020SIDCOK5EA0EY   020TF                  31680111    + 03200                        A JS
        SUSAP KMSNK5FR14   AMSN   030SIDCOK5EA0EE AR   HF                  13630040    + 03200                        A JS
        SUSAP KMSNK5FR14   ANEGUS 010NEGUSK5EA0E  A    IF                                          18000                A JS
        SUSAP KMSNK5FR14   ANEGUS 020SIDCOK5EA0EE B 010TF                  07970141    + 03200                        A JS
        SUSAP KMSNK5FR14   AWREST 010WRESTK5EA0E  A    IF                                          18000                A JS
        SUSAP KMSNK5FR14   AWREST 020SIDCOK5EA0EE B 010TF                  20090152    + 03200                        A JS
        SUSAP KMSNK5FR14   R      010SIDCOK5EA0E  I    IF                              + 03200 18000                A JS
        SUSAP KMSNK5FR14   R      020UFDIMK5EA1E  F 051TF                  13630060    + 02500              RW14  K5PGA JS
        SUSAP KMSNK5FR14   R      020UFDIMK5EA2WALPV       ALNAV/VNAV ALNAV                                          JS
        SUSAP KMSNK5FR14   R      021HIREXK5EA0E S  031TF                  13640031    V 0150001519       -300          A JS
        SUSAP KMSNK5FR14   R      030RW14 K5PG0GY M 031TF                  13640019      00914            -300          A JS
        SUSAP KMSNK5FR14   R      040         0  M     CA                  1364        + 01059                        A JS
        SUSAP KMSNK5FR14   R      050CINOTK5EA0EY      DF                              + 03000                        A JS
        SUSAP KMSNK5FR14   R      060CINOTK5EA0EE  R   HM                  31660040    + 03000                        A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5GRW14    0058461364 N43084906W089202519+0000    +0227300859047755150R
```

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: **887** **THRE: 859**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: **DANE COUNTY RGNL-TRUAX FIELD**	**RNAV**	**RNAV (GPS) RWY 14, AMDT 2B** 14 NOVEMBER 2013	AMDT: **2A**
				DATED: **5/29/2013**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 KMSNK5PR14    RW14 001 0000W14A0N4308490570W08920251945+022730300N4307444800W089190134001067511120005 50F40035045D78C12
        SUSAP KMSNK5PR14    RW14 002E       +02618+02618LPV        86821

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5SRW14 K5PG               0    18018003625                                                                  M
```

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 859	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 14, AMDT 2B 14 NOVEMBER 2013	AMDT: 2A DATED: 5/29/2013

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MSN	MSN	010		IF		FB					
	MSN	SIDCO	020		TF		FO	2.0	316.8(316.8T)	011.1	AA 03200	
	MSN	SIDCO	030	IAF	HF	R	FO		136.3(136.3T)	004.0	AA 03200	
	NEGUS	NEGUS	010	IAF	IF		FB					
	NEGUS	SIDCO	020		TF		FB	1.0	079.7(079.7T)	014.1	AA 03200	
	WREST	WREST	010	IAF	IF		FB					
	WREST	SIDCO	020		TF		FB	1.0	200.9(200.9T)	015.2	AA 03200	
		SIDCO	010	FACF	IF		FB				AA 03200	
		UFDIM	020	FAF	TF		FB	0.5	136.3(136.3T)	006.0	AA 02500	
		HIREX	021	SDF	TF		FB	0.3	136.4(136.4T)	003.1	AA 01500 GS 01519	
		RW14	030	MAP	TF		FO	0.3	136.4(136.4T)	001.9	AT 00914	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		136.4(136.4T)		AA 01059	
	CINOT	050		DF		FO				AA 03000	
	CINOT	060		HM	R	FO		316.6(316.6T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MSN	N430841.41	W0892022.91	N4308.690	W08920.382
	CINOT	N425841.14	W0890718.55	N4258.686	W08907.309
	HIREX	N431011.68	W0892212.54	N4310.195	W08922.209
	NEGUS	N431417.01	W0894949.10	N4314.284	W08949.818
	SIDCO	N431646.97	W0893047.82	N4316.783	W08930.797
	UFDIM	N431225.53	W0892506.71	N4312.426	W08925.112
	WREST	N433100.70	W0892322.10	N4331.012	W08923.368
	RW14	N430849.06	W0892025.19	N4308.818	W08920.420

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	00859	55

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: **887** THRE: **859** AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	**DANE COUNTY RGNL-TRUAX FIELD**	**RNAV**	**RNAV (GPS) RWY 14, AMDT 2B** 14 NOVEMBER 2013	AMDT: **2A**
				DATED: **5/29/2013**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RANDO (IAF)	AYECO (NOPT) (FB)	238.19 / 15.58	3000
WREST (IAF)	AYECO (NOPT) (FB)	166.21 / 10.58	3000
DLL VORTAC (IAF)	AYECO (NOPT) (FB)	122.97 / 22.53	3000
AYECO (IF/IAF)	GATNE (FB)	181.94 / 3.66	2700
GATNE	RUKIY (FB)	181.94 / 3.23	2500
RUKIY	RW18 (MAP) (FO)	181.94 / 4.97	
RW18 (MAP)	1059 MSL	181.94	
1059 MSL	DEKEY (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

CLIMB TO 3000 DIRECT DEKEY AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 001.93 INBOUND.
CHART FAS OBST: 1040 TREE 430956N/0891946W
FAS OBST: 1109 TREE 430944N/0891948W
DISTANCE TO THLD FROM 200 HAT: 0.45 NM.
CHART VDP AT 1.39 MILES TO RW18*
*LNAV ONLY.
WAAS CHANNEL # 42522
REFERENCE PATH ID: W18A
LTP HAE: 227.4 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N AYECO, RT, 181.94 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 181.94 FAF: RUKIY DIST FAF TO MAP: 4.97 THLD: 4.97
4. MIN. ALT: AYECO 3000, GATNE 2700, RUKIY 2500
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: RUKIY 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.3 34:1 IS CLEAR
8. MSA FROM: RW18 3600

MAG VAR: 0E EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1059	2400	200	1059	2400	200	1059	2400	200	1059	2400	200			
LNAV/VNAV DA	1355	6000	496	1355	6000	496	1355	6000	496	1355	6000	496			
LNAV MDA	1360	2400	501	1360	2400	501	1360	5500	501	1360	5500	501			
CIRCLING	1520	1	633	1520	1	633	1520	1 3/4	633	1520	2	633			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F).
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CATS C AND D VISIBILITY TO 1 3/8 MILES.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 859 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 18, AMDT 2B 14 NOVEMBER 2013	AMDT: 2A DATED 5/29/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport 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 RANDO ON V9-341 NORTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WREST ON V177 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DLL VORTAC AIRWAY RADIALS 050 CW 230.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 859	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 18, AMDT 2B 14 NOVEMBER 2013	AMDT: 2A
				DATED: 5/29/2013

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSN
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	430852.9520N
LTP/FTP LONGITUDE	0892027.8710W
LTP/FTP ELLIPSOIDAL HEIGHT	+02274
FPAP LATITUDE	430723.8900N
FPAP LONGITUDE	0892031.9900W
THRESHOLD CROSSING HEIGHT (TCH)	00057.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0128
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	09EDF3B4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02619
FPAP ORTHOMETRIC HEIGHT	+02619

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 859	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 18, AMDT 2B 14 NOVEMBER 2013	AMDT: 2A
				DATED: 5/29/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        DLL   K5011700VTH  N43330300W089454904    N43330300W089454904E0030010232     NARDELLS

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   AYECO K50    W     N43204428W089195488                    W0026     NAR          AYECO
          SUSAEAENRT   DEKEY K50    W     N42564471W089210131                    W0025     NAR          DEKEY
          SUSAEAENRT   GATNE K50    C     N43170478W089200508                    W0026     NAR          GATNE
          SUSAEAENRT   RANDO K50    C   L N43285842W089014653                    W0029     NAR          RANDO
          SUSAEAENRT   RUKIY K50    C     N43135114W089201406                    W0026     NAR          RUKIY
          SUSAEAENRT   WREST K50    C   L N43310070W089232210                    W0026     NAR          WREST

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMSNK5AMSN     0     090YHN43082356W089201502E000000887        18000018000C    MNAR    DANE COUNTY RGNL-TRUAX FIELD

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMSNK5FR18   AAYECO 010AYECOK5EA0EE AR   HF                    18190040    + 03000     18000                A JS
          SUSAP KMSNK5FR18   ADLL   010DLL  K5D 0V  A    IF                                          18000                A JS
          SUSAP KMSNK5FR18   ADLL   020AYECOK5EA0EE B 010TF                    12300225    + 03000                          A JS
          SUSAP KMSNK5FR18   ARANDO 010RANDOK5EA0E  A    IF                                          18000                A JS
          SUSAP KMSNK5FR18   ARANDO 020AYECOK5EA0EE B 010TF                    23820156    + 03000                          A JS
          SUSAP KMSNK5FR18   AWREST 010WRESTK5EA0E  A    IF                                          18000                A JS
          SUSAP KMSNK5FR18   AWREST 020AYECOK5EA0EE B 010TF                    16620106    + 03000                          A JS
          SUSAP KMSNK5FR18   R      010GATNEK5EA0E       IF                                          18000                A JS
          SUSAP KMSNK5FR18   R      011RUKIYK5EA1E  F 051TF                    18190032    + 02500               RW18   K5PGA JS
          SUSAP KMSNK5FR18   R      011RUKIYK5EA2WALPV       ALNAV/VNAV ALNAV                                                JS
          SUSAP KMSNK5FR18   R      020GATNEK5EA0E S  051TF                    18190037    + 02700                          A JS
          SUSAP KMSNK5FR18   R      030RW18 K5PG0GY M 031TF                    18190050      00917            -300          A JS
          SUSAP KMSNK5FR18   R      040         0  M     CA                    1819        + 01059                          A JS
          SUSAP KMSNK5FR18   R      050DEKEYK5EA0EY       DF                                + 03000                          A JS
          SUSAP KMSNK5FR18   R      060DEKEYK5EA0EE  R   HM                    00190050    + 03000                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMSNK5GRW18    0090061819 N43085295W089202787+0000    +022740085904005715OIIDSZ1
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: **887** **THRE: 859**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: **DANE COUNTY RGNL-TRUAX FIELD**	**RNAV**	**RNAV (GPS) RWY 18, AMDT 2B** 14 NOVEMBER 2013	AMDT: **2A**
				DATED: **5/29/2013**

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

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

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5PR18   RW18 001 0000W18A0N4308529520W08920278710+022740300N4307238900W089203199001067501280005 73F40035009EDF3B4
        SUSAP KMSNK5PR18   RW18 002E      +02619+02619LPV       42522
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5SRW18 K5PG                0   18018003625                                                                        M
```

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 859	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 18, AMDT 2B 14 NOVEMBER 2013	AMDT: 2A DATED: 5/29/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AYECO	AYECO	010	IAF	HF	R	FO		181.9(181.9T)	004.0	AA 03000	
	DLL	DLL	010	IAF	IF		FB					
	DLL	AYECO	020		TF		FB	1.0	123.0(123.0T)	022.5	AA 03000	
	RANDO	RANDO	010	IAF	IF		FB					
	RANDO	AYECO	020		TF		FB	1.0	238.2(238.2T)	015.6	AA 03000	
	WREST	WREST	010	IAF	IF		FB					
	WREST	AYECO	020		TF		FB	1.0	166.2(166.2T)	010.6	AA 03000	
		GATNE	010		IF		FB					
		RUKIY	011	FAF	TF		FB	0.5	181.9(181.9T)	003.2	AA 02500	
		GATNE	020	SDF	TF		FB	0.5	181.9(181.9T)	003.7	AA 02700	
		RW18	030	MAP	TF		FO	0.3	181.9(181.9T)	005.0	AT 00917	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		181.9(181.9T)		AA 01059	
	DEKEY	050		DF		FO				AA 03000	
	DEKEY	060		HM	R	FO		001.9(001.9T)	005.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DLL	N433303.00	W0894549.04	N4333.050	W08945.817
	AYECO	N432044.28	W0891954.88	N4320.738	W08919.915
	DEKEY	N425644.71	W0892101.31	N4256.745	W08921.022
	GATNE	N431704.78	W0892005.08	N4317.080	W08920.085
	RANDO	N432858.42	W0890146.53	N4328.974	W08901.776
	RUKIY	N431351.14	W0892014.06	N4313.852	W08920.234
	WREST	N433100.70	W0892322.10	N4331.012	W08923.368
	RW18	N430852.95	W0892027.87	N4308.883	W08920.465

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00859	57

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: **887** THRE: **859**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: **DANE COUNTY RGNL-TRUAX FIELD**	**RNAV**	**RNAV (GPS) RWY 18, AMDT 2B** 14 NOVEMBER 2013	AMDT: **2A**
				DATED: **5/29/2013**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MSN VORTAC	CINOT (FO)	136.15 / 13.85	3000
OMONE (IAF)	CINOT (NOPT) (FB)	044.42 / 17.42	3000
WAITS (IAF)	CINOT (NOPT) (FB)	247.38 / 23.11	3000
CINOT (IF/IAF)	NUXMU (FB)	316.58 / 7.80	2600
NUXMU (FAF)	PEKDE/1.80 NM TO RW32 (FB)	316.50 / 3.48	
PEKDE/1.80 NM TO RW32	RW32 (MAP) (FO)	316.50 / 1.80	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

CLIMB TO 3200 DIRECT SIDCO AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 136.32 INBOUND.
CHART FAS OBST: 1059 BRDG 430717N/0891721W
CHART FAS OBST: 1056 TREE 430802N/0891816W
DISTANCE TO THLD FROM 370 HATH: 0.99 NM.
WAAS CHANNEL # 58021
REFERENCE PATH ID: W32A
LTP HAE: 228.1 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE CINOT, RT, 316.58 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 316.50 FAF: NUXMU DIST FAF TO MAP: 5.28 THLD: 5.28
4. MIN. ALT: CINOT 3000, NUXMU 2600, PEKDE/1.80 NM TO RW32 1480*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2600 GS ALT AT: NUXMU 2600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.9 34:1 IS NOT CLEAR
8. MSA FROM: RW32 3600

MAG VAR: 0E EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1232	1 1/4	370	1232	1 1/4	370	1232	1 1/4	370	1232	1 1/4	370			
LNAV/VNAV DA	1237	1 1/4	375	1237	1 1/4	375	1237	1 1/4	375	1237	1 1/4	375			
LNAV MDA	1360	1	498	1360	1	498	1360	1 3/8	498	1360	1 3/8	498			
CIRCLING	1520	1	633	1520	1	633	1520	1 3/4	633	1520	2	633			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MSN VORTAC AIRWAY RADIALS 089 CW 161. (SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 887 THRE: 862	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: 4
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD		RNAV (GPS) RWY 32, AMDT 2B 14 NOVEMBER 2013	AMDT: 2A CXL
				DATED 5/29/2013

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW32 (MAP)	1232 MSL	316.50	
1232 MSL	SIDCO (FO)		3200

NOTES, (CONT.):
*LNAV ONLY
CHART NOTE: RWY 32 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 862 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 32, AMDT 2B 14 NOVEMBER 2013	AMDT: 2A
				DATED:

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSN
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	430810.6310N
LTP/FTP LONGITUDE	0891935.2850W
LTP/FTP ELLIPSOIDAL HEIGHT	+02281
FPAP LATITUDE	430915.2100N
FPAP LONGITUDE	0892059.1700W
THRESHOLD CROSSING HEIGHT (TCH)	00055.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0968
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	11B0BBA3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02626
FPAP ORTHOMETRIC HEIGHT	+02626

QUALITY CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 862	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 32, AMDT 2B 14 NOVEMBER 2013	AMDT: 2A
				DATED:

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

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MSN   K5010860VTLW N43084141W089202291    N43084141W089202291E0030008571     NARMADISON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CINOT K50    W     N42584114W089071855                      W0027     NAR           CINOT
        SUSAEAENRT   NUXMU K50    W     N43042076W089143724                      W0026     NAR           NUXMU
        SUSAEAENRT   OMONE K50    C   L N42461552W089235529                      W0025     NAR           OMONE
        SUSAEAENRT   PEKDE K50    W     N43065235W089175368                      W0026     NAR           PEKDE
        SUSAEAENRT   SIDCO K50    W     N43164697W089304782                      W0025     NAR           SIDCO
        SUSAEAENRT   WAITS K50    C   L N43073829W088381514                      W0032     NAR           WAITS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5AMSN     0     090YHN43082356W089201502E000000887         1800018000C    MNAR    DANE COUNTY RGNL-TRUAX FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5FR32   AMSN   010MSN  K5D 0V       IF                                                18000                A JS
        SUSAP KMSNK5FR32   AMSN   020CINOTK5EA0EY   020TF                    13620139    + 03000                            A JS
        SUSAP KMSNK5FR32   AMSN   030CINOTK5EA0EE AR   HF                    31660040    + 03000                            A JS
        SUSAP KMSNK5FR32   AOMONE 010OMONEK5EA0E  A    IF                                                18000                A JS
        SUSAP KMSNK5FR32   AOMONE 020CINOTK5EA0EE B 010TF                    04440174    + 03000                            A JS
        SUSAP KMSNK5FR32   AWAITS 010WAITSK5EA0E  A    IF                                                18000                A JS
        SUSAP KMSNK5FR32   AWAITS 020CINOTK5EA0EE B 010TF                    24740231    + 03000                            A JS
        SUSAP KMSNK5FR32   R      010CINOTK5EA0E  I    IF                                + 03000     18000                  A JS
        SUSAP KMSNK5FR32   R      020NUXMUK5EA1E  F 051TF                    31660078    + 02600                  RW32  K5PGA JS
        SUSAP KMSNK5FR32   R      020NUXMUK5EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
        SUSAP KMSNK5FR32   R      021PEKDEK5EA0E S  031TF                    31650035    V 0148001491        -300           A JS
        SUSAP KMSNK5FR32   R      030RW32 K5PG0GY M 031TF                    31650018      00917             -300           A JS
        SUSAP KMSNK5FR32   R      040         0  M     CA                    3165        + 01232                            A JS
        SUSAP KMSNK5FR32   R      050SIDCOK5EA0EY      DF                                + 03200                            A JS
        SUSAP KMSNK5FR32   R      060SIDCOK5EA0EE  R   HM                    13630040    + 03200                            A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5GRW32    0058463164 N43081063W089193529+0000    +0228100862000056150R
```

QUALITY CHECKED 6

CITY AND STATE	ELEVATION: 887 THRE: 862	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 32, AMDT 2B 14 NOVEMBER 2013	AMDT: 2A
				DATED: 5/29/2013

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5PR32   RW32 001 0000W32A0N4308106310W08919352850+022810300N4309152100W089205917001067509680005 59F40050011B0BBA3
        SUSAP KMSNK5PR32   RW32 002E      +02626+02626LPV       58021
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSNK5SRW32 K5PG                0   18018003625                                                                        M
```

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 887 THRE: 862	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	AIRPORT NAME: DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 32, AMDT 2B 14 NOVEMBER 2013	AMDT: 2A DATED: 5/29/2013

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MSN	MSN	010		IF		FB					
	MSN	CINOT	020		TF		FO	2.0	136.2(136.2T)	013.9	AA 03000	
	MSN	CINOT	030	IAF	HF	R	FO		316.6(316.6T)	004.0	AA 03000	
	OMONE	OMONE	010	IAF	IF		FB					
	OMONE	CINOT	020		TF		FB	1.0	044.4(044.4T)	017.4	AA 03000	
	WAITS	WAITS	010	IAF	IF		FB					
	WAITS	CINOT	020		TF		FB	1.0	247.4(247.4T)	023.1	AA 03000	
		CINOT	010	FACF	IF		FB				AA 03000	
		NUXMU	020	FAF	TF		FB	0.5	316.6(316.6T)	007.8	AA 02600	
		PEKDE	021	SDF	TF		FB	0.3	316.5(316.5T)	003.5	AA 01480	GS 01491
		RW32	030	MAP	TF		FO	0.3	316.5(316.5T)	001.8	AT 00917	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		316.5(316.5T)		AA 01232	
	SIDCO	050		DF		FO				AA 03200	
	SIDCO	060		HM	R	FO		136.3(136.3T)	004.0	AA 03200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MSN	N430841.41	W0892022.91	N4308.690	W08920.382
	CINOT	N425841.14	W0890718.55	N4258.686	W08907.309
	NUXMU	N430420.76	W0891437.24	N4304.346	W08914.621
	OMONE	N424615.52	W0892355.29	N4246.259	W08923.922
	PEKDE	N430652.35	W0891753.68	N4306.873	W08917.895
	SIDCO	N431646.97	W0893047.82	N4316.783	W08930.797
	WAITS	N430738.29	W0883815.14	N4307.638	W08838.252
	RW32	N430810.63	W0891935.29	N4308.177	W08919.588

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	00862	56

QUALITY CHECKED 6

CITY AND STATE	ELEVATION: 887 THRE: 862 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, WI	DANE COUNTY RGNL-TRUAX FIELD	RNAV	RNAV (GPS) RWY 32, AMDT 2B 14 NOVEMBER 2013	AMDT: 2A
				DATED: 5/29/2013

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MRB VORTAC	JOSRU (FO)	267.45 / 19.93	4100
CAPON (IAF)	JOSRU (NOPT) (FB)	089.54 / 7.56	4100
JOSRU (IF/IAF)	WAVMU (FB)	078.48 / 5.91	3000
WAVMU (FAF)	VUCUR/4.60 NM TO RW08 (FB)	078.53 / 2.89	
VUCUR/4.70 NM TO RW08	YASUT/2.10 NM TO RW08 (FB)	078.53 / 2.50	
YASUT/2.10 NM TO RW08	RW08 (MAP) (FO)	078.53 / 2.10	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW08

CLIMB TO 3400 DIRECT BURGY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 258.80 INBOUND.
CHART FAS OBSTACLE: 802 TREE 392351N/0780216W
DISTANCE TO THLD FROM 250 HATH: 0.63 NM.
CHART VDP AT 1.39 MILES TO RW08*
*LNAV ONLY.
WAAS CHANNEL # 99633
REFERENCE PATH ID: W08A
CHART CIRCLING ICON
LTP HAE: 138.1 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W JOSRU, RT, 078.47 INBOUND, 4100 FT. IN LIEU OF PT (IAF)
3. FAC: 078.53 FAF: WAVMU DIST FAF TO MAP: 7.49 THLD: 7.49
4. MIN. ALT: JOSRU 4100, WAVMU 3000, VUCUR/4.60 NM TO RW08 2080*, YASUT/2.10 NM TO RW08 1280*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: WAVMU 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR
8. MSA FROM: RW08 4100

MAG VAR: 8W EPOCH YEAR: 1980

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	815	3/4	250	815	3/4	250	815	3/4	250	815	3/4	250	815	3/4	250
LNAV/VNAV DA	998	1 1/4	433	998	1 1/4	433	998	1 1/4	433	998	1 1/4	433	998	1 1/4	433
LNAV MDA	1060	1	495	1060	1	495	1060	1 3/8	495	1060	1 3/8	495	1060	1 3/8	495
CIRCLING	1060	1	495	1240	1	675	1240	2	675	1260	2 1/4	695	2140	3	1575

NOTES:
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING HAGERSTOWN ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (7F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CAPON ON V92 NORTHWEST BOUND.
(SEE FORM 8260-10)

@ CAT D 800-2 1/4, CAT E 1600-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 565 THRE: 565 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MARTINSBURG, WV	EASTERN WV RGNL/SHEPHERD FLD	RNAV	RNAV (GPS) RWY 8, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG-A DATED 11/15/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW08 (MAP)	815 MSL	078.53	
815 MSL	BURGY (FO)		3400

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAGERSTOWN ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE, INCLREASE ALL MDA 80 FEET AND LNAV CAT C/D/E AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 565 THRE: 565	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARTINSBURG, WV	AIRPORT NAME: EASTERN WV RGNL/SHEPHERD FLD	RNAV	RNAV (GPS) RWY 8, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG-A
				DATED: 11/15/2012

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMRB
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	392354.0495N
LTP/FTP LONGITUDE	0775951.7700W
LTP/FTP ELLIPSOIDAL HEIGHT	+01381
FPAP LATITUDE	392423.6125N
FPAP LONGITUDE	0775803.3235W
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	0064
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F5200C9C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01722
FPAP ORTHOMETRIC HEIGHT	+01722

QUALITY CHECKED

CITY AND STATE	ELEVATION: 565 THRE: 565	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARTINSBURG, WV	AIRPORT NAME: EASTERN WV RGNL/SHEPHERD FLD	RNAV	RNAV (GPS) RWY 8, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG-A
				DATED: 11/15/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MRB   K6011210VTL  N39230806W077505408    N39230806W077505408W0070006001     NARMARTINSBURG

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BURGY K60    C     N39280960W077440985                    W0105     NAR           BURGY
        SUSAEAENRT   CAPON K60    C   L N39181979W078254719                    W0100     NAR           CAPON
        SUSAEAENRT   JOSRU K60    W     N39192615W078160926                    W0102     NAR           JOSRU
        SUSAEAENRT   VUCUR K60    W     N39222230W078052754                    W0103     NAR           VUCUR
        SUSAEAENRT   WAVMU K60    W     N39212452W078085834                    W0102     NAR           WAVMU
        SUSAEAENRT   YASUT K60    W     N39231220W078022509                    W0103     NAR           YASUT

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMRBK6AMRB     0     088YHN39240848W077585880W008000565         18000018000C    MNAR    EASTERN WV RGNL/SHEPHERD FLD

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMRBK6FR08   ACAPON 010CAPONK6EA0E  A    IF                                          18000                A JS
        SUSAP KMRBK6FR08   ACAPON 020JOSRUK6EA0EE B 010TF                    08950076    + 04100                      A JS
        SUSAP KMRBK6FR08   AMRB   010MRB  K6D 0V       IF                                          18000                A JS
        SUSAP KMRBK6FR08   AMRB   020JOSRUK6EA0EY   020TF                    26750199    + 04100                      A JS
        SUSAP KMRBK6FR08   AMRB   030JOSRUK6EA0EE AR   HF                    07850070    + 04100                      A JS
        SUSAP KMRBK6FR08   R      010JOSRUK6EA0E  I    IF                                + 04100      18000           A JS
        SUSAP KMRBK6FR08   R      020WAVMUK6EA1E  F 051TF                    07850059    + 03000                RW08  K6PGA JS
        SUSAP KMRBK6FR08   R      020WAVMUK6EA2WALPV       ALNAV/VNAV ALNAV                                            JS
        SUSAP KMRBK6FR08   R      021VUCURK6EA0E S  031TF                    07850029    V 0208002112      -300      A JS
        SUSAP KMRBK6FR08   R      022YASUTK6EA0E S  031TF                    07850025    V 0128001284      -300      A JS
        SUSAP KMRBK6FR08   R      030RW08 K6PG0GY M 031TF                    07850021      00615           -300      A JS
        SUSAP KMRBK6FR08   R      040         0  M     CA                    0785        + 00815                      A JS
        SUSAP KMRBK6FR08   R      050BURGYK6EA0EY       DF                              + 03400                      A JS
        SUSAP KMRBK6FR08   R      060BURGYK6EA0EE  L    HM                    25880070    + 03400                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMRBK6GRW08     0088150786 N39235405W077595177-0200     +01381005650000501 50R

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

CITY AND STATE	ELEVATION: 565 THRE: 565	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MARTINSBURG, WV	AIRPORT NAME: **EASTERN WV RGNL/SHEPHERD FLD**	**RNAV**	**RNAV (GPS) RWY 8, AMDT 1** 14 NOVEMBER 2013	AMDT: **ORIG-A**
				DATED: **11/15/2012**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMRBK6PR08   RW08 001 0000W08A0N3923540495W07759517700+013810300N3924236125W077580332351067500640005 00F400500F5200C9C
        SUSAP KMRBK6PR08   RW08 002E      +01722+01722LPV       99633
                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMRBK6SRW08 K6PG                0   18018004125                                                                          M
```

CITY AND STATE	ELEVATION: 565 THRE: 565	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MARTINSBURG, WV	AIRPORT NAME: EASTERN WV RGNL/SHEPHERD FLD	RNAV	RNAV (GPS) RWY 8, AMDT 1 14 NOVEMBER 2013	AMDT: ORIG-A DATED: 11/15/2012

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CAPON	CAPON	010	IAF	IF		FB					
	CAPON	JOSRU	020		TF		FB	1.0	089.5(081.5T)	007.6	AA 04100	
	MRB	MRB	010		IF		FB					
	MRB	JOSRU	020		TF		FO	2.0	267.5(259.5T)	019.9	AA 04100	
	MRB	JOSRU	030	IAF	HF	R	FO		078.5(070.5T)	007.0	AA 04100	
		JOSRU	010	FACF	IF		FB				AA 04100	
		WAVMU	020	FAF	TF		FB	0.5	078.5(070.5T)	005.9	AA 03000	
		VUCUR	021	SDF	TF		FB	0.3	078.5(070.5T)	002.9	AA 02080 GS 02112	
		YASUT	022	SDF	TF		FB	0.3	078.5(070.5T)	002.5	AA 01280 GS 01284	
		RW08	030	MAP	TF		FO	0.3	078.5(070.5T)	002.1	AT 00615	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		078.5(070.5T)		AA 00815	
	BURGY	050		DF		FO				AA 03400	
	BURGY	060		HM	L	FO		258.8(250.8T)	007.0	AA 03400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MRB	N392308.06	W0775054.08	N3923.134	W07750.901
	BURGY	N392809.60	W0774409.85	N3928.160	W07744.164
	CAPON	N391819.79	W0782547.19	N3918.330	W07825.787
	JOSRU	N391926.15	W0781609.26	N3919.436	W07816.154
	VUCUR	N392222.30	W0780527.54	N3922.372	W07805.459
	WAVMU	N392124.52	W0780858.34	N3921.409	W07808.972
	YASUT	N392312.20	W0780225.09	N3923.203	W07802.418
	RW08	N392354.05	W0775951.77	N3923.901	W07759.863

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00565	50

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LUCKE/MRB 15.14 DME	MRB VORTAC	316.50 / 15.14	3200
HARPP INT/AML 26.00 DME/RADAR	MRB VORTAC	023.63 / 13.10	3000

MISSED APPROACH

MAP: 5.72 MILES AFTER MRB VORTAC OR AT MRB 5.72 DME FIX

CLIMBING LEFT TURN TO 3000 DIRECT MRB VORTAC AND HOLD, CONTINUE CLIMB IN HOLD TO 3000.

ADDITIONAL FLIGHT DATA:

FAS OBST: 819 AAO 392225N/0775235W
CHART AIRPORT ELEV: 565.
CHART CIRCLING ICON.
FAC CROSSES RWY 26 THLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E MRB VORTAC, LT, 290.00 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC 289.64 FAF MRB VORTAC DIST FAF TO MAP 5.72 THLD
4. MIN. ALT MRB VORTAC 3000
8. MSA FROM: MRB VORTAC 330-240 3500, 240-330 4000

MAG VAR: 7W EPOCH YEAR:1965

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | CIRCLING: 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	1080	1	515	1240	1	675	1240	2	675	1260	2 1/4	695	2140	3	1575

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAGERSTOWN ALTIMETER SETTING AND INCREASE ALL MDA 80 FT AND CAT C/D VISIBILITY 1/4 MILE.

@ CAT D 800-2 1/4, CAT E 1600-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

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

CITY AND STATE	ELEVATION: 565 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MARTINSBURG, WV	EASTERN WV RGNL/SHEPHERD FLD	MRB	VOR-A, AMDT 10 14 NOVEMBER 2013	AMDT 9B DATE 11/15/2012

FAA FORM 8260-5 / April 2006 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DF STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE -

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

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 12 DECEMBER 2013

CITY AND STATE	ELEVATION: 433 TDZE: 433	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
FORT YUKON, AK	AIRPORT NAME: **FORT YUKON**	**FYU**	**DF RWY 22, AMDT 1, 05/10/2007**	AMDT **NONE**
				DATE

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
YENUY (IAF)	ZETMO (NOPT) (FB)	099.65 / 8.00	2500
CIRMI (IAF)	ZETMO (NOPT) (FB)	339.92 / 8.00	2500
ZETMO (IF/IAF)	EKNAC (FB)	039.92 / 7.40	2000
EKNAC (FAF)	OVEME/2.40 NM TO JIPAV (FB)	040.16 / 2.13	
OVEME/2.40 NM TO JIPAV	JIPAV (MAP) (FO)	040.16 / 2.40	
JIPAV (MAP)	1000 MSL	040.16	1000
1000 MSL	ZETMO (FO)		2500

MISSED APPROACH

LNAV: JIPAV

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2500 DIRECT ZETMO AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 584 TWR 663345N/1451422W
CHART YUKON 5 MOA.
EKNAC TO RW04: 3.00/45.
CHART CIRCLING ICON.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW ZETMO, RT, 039.92 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 040.16 FAF: EKNAC DIST FAF TO MAP: 4.53 THLD: 4.73
4. MIN. ALT: ZETMO 2500, EKNAC 2000, OVEME/2.40 NM TO JIPAV 1320
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 20E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	860	1	413	860	1	413	860	1 1/8	413	860	1 1/8	413			
CIRCLING	860	1	413	900	1	453	900	1 1/2	453	1000	2	553			

NOTES:
CHART NOTE: CIRCLING NA SE OF RWY 4-22.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: RWY 4 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 447 THRE: 447 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FORT YUKON, AK	FORT YUKON	RNAV	RNAV (GPS) RWY 4, AMDT 1, 12/12/2013	AMDT: ORIG
				DATED 05/10/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport 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.	340/30 CW 100/30 (NOPT)	340/22 CW 100/22	3500
2.	340/22 CW 100/22	ZETMO (IF/IAF) (FB)	2500
3.	100/30 CW 220/30	YENUY (IAF) (FB)	2500
4.	220/30 CW 340/30	220/14 CW 340/14 (FB)	5800
5.	220/14 CW 340/14	CIRMI (IAF) (FB)	2500

4

CITY AND STATE	ELEVATION: 447 THRE: 447	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FORT YUKON, AK	AIRPORT NAME: FORT YUKON	RNAV	RNAV (GPS) RWY 4, AMDT 1, 12/12/2013	AMDT: ORIG
				DATED: 05/10/2007

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANEAENRT   CIRMI PA0    W     N66200873W145415592                    E0206     NAR           CIRMI
        SCANEAENRT   EKNAC PA0    W     N66314798W145255735                    E0208     NAR           EKNAC
        SCANEAENRT   JIPAV PA0    W     N66340256W145160659                    E0208     NAR           JIPAV
        SCANEAENRT   OVEME PA0    W     N66325141W145211947                    E0208     NAR           OVEME
        SCANEAENRT   YENUY PA0    W     N66320465W145591755                    E0206     NAR           YENUY
        SCANEAENRT   ZETMO PA0    W     N66280704W145415758                    E0207     NAR           ZETMO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PFYUPAAFYU     0     050YSN66342070W145144680E020000447         1800018000C    MNAR    FORT YUKON

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PFYUPAFR04   ACIRMI 010CIRMIPAEA0E  A    IF                                          18000                B JS
        SCANP PFYUPAFR04   ACIRMI 020ZETMOPAEA0EE B 010TF                    33990080    + 02500                      B JS
        SCANP PFYUPAFR04   AYENUY 010YENUYPAEA0E  A    IF                                          18000                B JS
        SCANP PFYUPAFR04   AYENUY 020ZETMOPAEA0EE B 010TF                    09970080    + 02500                      B JS
        SCANP PFYUPAFR04   AZETMO 010ZETMOPAEA0EE AR   HF                    03990050    + 02500     18000            B JS
        SCANP PFYUPAFR04   R      010ZETMOPAEA0E  I    IF                                + 02500     18000            B JS
        SCANP PFYUPAFR04   R      020EKNACPAEA1E  F 051TF                    03990074    + 02000                      B JS
        SCANP PFYUPAFR04   R      020EKNACPAEA2WN        N          ALNAV                                              JS
        SCANP PFYUPAFR04   R      021OVEMEPAEA0E S  031TF                    04020021    V 0132001320       -300      B JS
        SCANP PFYUPAFR04   R      030JIPAVPAEA0EY M 031TF                    04020024      00572            -300      B JS
        SCANP PFYUPAFR04   R      040         0  M     CA                    0402        + 01000                      B JS
        SCANP PFYUPAFR04   R      050ZETMOPAEA0EY  L   DF                              + 02500                      B JS
        SCANP PFYUPAFR04   R      060ZETMOPAEA0EE  R   HM                    03990050    + 02500                      B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PFYUPAGRW04    0050000403 N66340849W145154049+0000    +01416004470000045100R
```

CITY AND STATE	ELEVATION: 447 THRE: 447	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FORT YUKON, AK	AIRPORT NAME: FORT YUKON	RNAV	RNAV (GPS) RWY 4, AMDT 1 12/12/2013	AMDT: ORIG
				DATED: 05/10/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CIRMI	CIRMI	010	IAF	IF		FB					
	CIRMI	ZETMO	020		TF		FB	1.0	339.9(359.9T)	008.0	AA 02500	
	YENUY	YENUY	010	IAF	IF		FB					
	YENUY	ZETMO	020		TF		FB	1.0	099.7(119.7T)	008.0	AA 02500	
	ZETMO	ZETMO	010	IAF	HF	R	FO		039.9(059.9T)	005.0	AA 02500	
		ZETMO	010	FACF	IF		FB				AA 02500	
		EKNAC	020	FAF	TF		FB	0.5	039.9(059.9T)	007.4	AA 02000	
		OVEME	021	SDF	TF		FB	0.3	040.2(060.2T)	002.1	AA 01320 GS 01320	
		JIPAV	030	MAP	TF		FO	0.3	040.2(060.2T)	002.4	AT 00572	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		040.2(060.2T)		AA 01000	
	ZETMO	050		DF	L	FO				AA 02500	
	ZETMO	060		HM	R	FO		039.9(059.9T)	005.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIRMI	N662008.73	W1454155.92	N6620.146	W14541.932
	EKNAC	N663147.98	W1452557.35	N6631.800	W14525.956
	JIPAV	N663402.56	W1451606.59	N6634.043	W14516.110
	OVEME	N663251.41	W1452119.47	N6632.857	W14521.325
	YENUY	N663204.65	W1455917.55	N6632.078	W14559.293
	ZETMO	N662807.04	W1454157.58	N6628.117	W14541.960
	RW04	N663408.49	W1451540.49	N6634.142	W14515.675

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	00447	45

CITY AND STATE	ELEVATION: **447** THRE: **447** AIRPORT NAME: **FORT YUKON**	FACILITY IDENTIFIER: **RNAV**	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: **RNAV (GPS) RWY 4, AMDT 1** 12/12/2013	SUP:
FORT YUKON, AK				AMDT: **ORIG**
				DATED: **05/10/2007**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
OSNAE (IAF)	AWIRO (NOPT) (FB)	160.72 / 8.00	2000
WILAD (IAF)	AWIRO (NOPT) (FB)	280.98 / 8.00	2000
AWIRO (IF/IAF)	EYIMO (FB)	220.71 / 6.10	2000
EYIMO (FAF)	AGALE (MAP) (FO)	220.51 / 4.59	
AGALE (MAP)	847 MSL	220.51	
847 MSL	AWIRO (FO)		2000

MISSED APPROACH

LNAV: AGALE

CLIMBING LEFT TURN TO 2000 DIRECT AWIRO AND HOLD.

ADDITIONAL FLIGHT DATA:
FAS OBST: 699 AAO 663539N/1450600W
CHART YUKON 5 MOA.
EYIMO TO RW22: 3.00/45.
CHART CIRCLING ICON

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE AWIRO, RT, 220.71 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 220.51 FAF: EYIMO DIST FAF TO MAP: 4.59 THLD: 4.74
4. MIN. ALT: AWIRO 2000, EYIMO 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:

MAG VAR: 20E EPOCH YEAR: 2015

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	960	1	513	960	1	513	960	1 3/8	513	960	1 3/8	513			
CIRCLING	960	1	513	960	1	513	960	1 1/2	513	1000	2	553			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: CIRCLING NA SE OF RWY 4-22.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 447 THRE: 447 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FORT YUKON, AK	FORT YUKON	RNAV	RNAV (GPS) RWY 22, AMDT 1, 12/12/2013	AMDT: ORIG
				DATED 05/10/2007

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

NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: RWY 22 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	161/30 CW 281/30 (NOPT)	161/19 CW 281/19	3300
2.	161/19 CW 281/19	AWIRO (IF/IAF) (FB)	2000
3.	281/30 CW 041/30	281/16 CW 041/16	2600
4.	281/16 CW 041/16	WILAD (IAF) (FB)	2000
5.	041/30 CW 161/30	041/16 CW 161/16	3400
6.	041/16 CW 161/16	OSNAE (IAF) (FB)	2100

QUALITY 4

CITY AND STATE	ELEVATION: 447 THRE: 447	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FORT YUKON, AK	AIRPORT NAME: FORT YUKON	RNAV	RNAV (GPS) RWY 22, AMDT 1, 12/12/2013	AMDT: ORIG
				DATED: 05/10/2007

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SCANEAENRT   AGALE PA0    W     N66343728W145133351                    E0209     NAR          AGALE
         SCANEAENRT   AWIRO PA0    W     N66395153W144501336                    E0210     NAR          AWIRO
         SCANEAENRT   EYIMO PA0    W     N66365255W145033390                    E0209     NAR          EYIMO
         SCANEAENRT   OSNAE PA0    W     N66474978W144495820                    E0211     NAR          OSNAE
         SCANEAENRT   WILAD PA0    W     N66354627W144325925                    E0211     NAR          WILAD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SCANP PFYUPAAFYU     0     050YSN66342070W145144680E020000447         1800018000C    MNAR    FORT YUKON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SCANP PFYUPAFR22   AAWIRO 010AWIROPAEA0EE AR   HF                    22070040    + 02000     18000                B JS
         SCANP PFYUPAFR22   AOSNAE 010OSNAEPAEA0E  A    IF                                        18000                B JS
         SCANP PFYUPAFR22   AOSNAE 020AWIROPAEA0EE B 010TF                     16070080    + 02000                          B JS
         SCANP PFYUPAFR22   AWILAD 010WILADPAEA0E  A    IF                                        18000                B JS
         SCANP PFYUPAFR22   AWILAD 020AWIROPAEA0EE B 010TF                     28100080    + 02000                          B JS
         SCANP PFYUPAFR22   R      010AWIROPAEA0E  I    IF                                  + 02000     18000                B JS
         SCANP PFYUPAFR22   R      020EYIMOPAEA1E  F 051TF                     22070061    + 02000                          B JS
         SCANP PFYUPAFR22   R      020EYIMOPAEA2WN         N          ALNAV                                                  JS
         SCANP PFYUPAFR22   R      030AGALEPAEA0EY M 031TF                     22050046      00540          -300            B JS
         SCANP PFYUPAFR22   R      040          0  M     CA                    2205        + 00847                          B JS
         SCANP PFYUPAFR22   R      050AWIROPAEA0EY  L   DF                                  + 02000                          B JS
         SCANP PFYUPAFR22   R      060AWIROPAEA0EE  R   HM                    22070040    + 02000                          B JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SCANP PFYUPAGRW22    0050002204 N66343284W145135309+0000    +014160044700004510OR
```

CITY AND STATE	ELEVATION: **447** **THRE: 447**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FORT YUKON, AK	AIRPORT NAME: **FORT YUKON**	**RNAV**	**RNAV (GPS) RWY 22, AMDT 1** 12/12/2013	AMDT: **ORIG**
				DATED: **05/10/2007**

CHECKED 4

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AWIRO	AWIRO	010	IAF	HF	R	FO		220.7(240.7T)	004.0	AA 02000	
	OSNAE	OSNAE	010	IAF	IF		FB					
	OSNAE	AWIRO	020		TF		FB	1.0	160.7(180.7T)	008.0	AA 02000	
	WILAD	WILAD	010	IAF	IF		FB					
	WILAD	AWIRO	020		TF		FB	1.0	281.0(301.0T)	008.0	AA 02000	
		AWIRO	010	FACF	IF		FB				AA 02000	
		EYIMO	020	FAF	TF		FB	0.5	220.7(240.7T)	006.1	AA 02000	
		AGALE	030	MAP	TF		FO	0.3	220.5(240.5T)	004.6	AT 00540	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		220.5(240.5T)		AA 00847	
	AWIRO	050		DF	L	FO				AA 02000	
	AWIRO	060		HM	R	FO		220.7(240.7T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGALE	N663437.28	W1451333.51	N6634.621	W14513.559
	AWIRO	N663951.53	W1445013.36	N6639.859	W14450.223
	EYIMO	N663652.55	W1450333.90	N6636.876	W14503.565
	OSNAE	N664749.78	W1444958.20	N6647.830	W14449.970
	WILAD	N663546.27	W1443259.25	N6635.771	W14432.988
	RW22	N663432.84	W1451353.09	N6634.547	W14513.885

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	00447	45

CITY AND STATE	ELEVATION: **447** **THRE: 447**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FORT YUKON, AK	AIRPORT NAME: **FORT YUKON**	**RNAV**	**RNAV (GPS) RWY 22, AMDT 1** 12/12/2013	AMDT: **ORIG**
				DATED: **05/10/2007**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FYU VORTAC	SKOKI/5.00 DME	055.99 / 5.00	2000
LECIB/11.00 DME CW (IAF)	RAVAC/11.00 DME (NOPT)	11.00 DME ARC	2000
RAVAC/ 11.00 DME (IF)	SKOKI/5.00 DME	235.99 / 6.00 (FYU R-056)	1800

MISSED APPROACH

MAP: ZUPVO/ 1.07 DME

CLIMB TO 2000 THEN RIGHT TURN ON HEADING 100 AND ON FYU VORTAC R-056 TO SKOKI/5.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 235.99 INBOUND.
FAS OBST: 699 AAO 663539N/1450600W
CHART YUKON 5 MOA.
CHART FYU R-324 AT LECIB.
SKOKI TO RW22: 3.14/45.
FAC CROSSES RWY C/L EXTENDED 3867 FROM THLD.
CHART CIRCLING ICON

1. PT L SIDE OF COURSE 055.99 OUTBOUND 2000 FT WITHIN 10 MILES OF SKOKI (IAF)
2.
3. FAC 235.99 FAF SKOKI/5.00 DME DIST FAF TO MAP THLD 3.93
4. MIN. ALT SKOKI 1800
8. MSA FROM: FYU VORTAC 2200

MAG VAR: 20E EPOCH YEAR:2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-22	960	1	513	960	1	513	960	1 3/8	513	960	1 3/8	513			
CIRCLING	960	1	513	960	1	513	960	1 1/2	513	1000	2	553			

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: CIRCLING NA SE OF RWY 04-22.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: RWY 22 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CITY AND STATE	ELEVATION: 447 THRE: 447 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
FORT YUKON, AK	FORT YUKON	FYU	VOR/DME OR TACAN RWY 22, AMDT 3, 12/12/2013	AMDT 2 DATE 05/10/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FYU VORTAC	WANZE/5.00 DME	193.69 / 5.00	2000
BIJOU/25.00 DME (IAF)	JOGAG/12.00 DME (NOPT)	013.69 / 13.00 (FYU R-194)	2000
JOGAG/12.00 DME (IF)	WANZE/5.00 DME	013.69 / 7.00 (FYU R-194)	2000

MISSED APPROACH

MAP: HUPVU/ 1.02 DME

CLIMB TO 1400, THEN CLIMBING LEFT TURN TO 2300 ON FYU VORTAC R-194 TO WANZE/5.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 013.69 INBOUND.
FAS OBST: 649 AAO 663142N/1452112W
699 AAO 662949N/1452055W
CHART YUKON MOA 5.
FAC CROSSES RWY 4 C/L 6,536 FT SOUTHWEST OF THLD
CHART CIRCLING ICON.

1. PT R SIDE OF COURSE 193.69 OUTBOUND 2000 FT WITHIN 10 MILES OF WANZE (IAF)
2.
3. FAC 013.69 FAF WANZE/5.00 DME DIST FAF TO MAP THLD
4. MIN. ALT WANZE 2000
8. MSA FROM: FYU VORTAC 2200

MAG VAR: 20E EPOCH YEAR:2015

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING	900	1 1/4	453	900	1 1/4	453	900	1 1/2	453	1000	2	553			

NOTES:

CHART NOTE: CIRCLING NA SE OF RWY 4-22.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 447 TDZE: / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP	
FORT YUKON, AK	FORT YUKON	FYU	VOR/DME OR TACAN-A, AMDT 1, 12/12/2013	AMDT	ORIG
				DATE	05/10/2007

FAA FORM 8260-5 / April 2006 (computer generated)

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CEW VORTAC (IAF)	ILOPE (NOPT) (FB)	166.82 / 17.83	2000
ILOPE (IF/IAF)	NOZEC (FB)	143.07 / 5.18	1600
NOZEC (FAF)	RW14 (MAP) (FO)	143.10 / 4.82	
RW14 (MAP)	272 MSL	143.10	
272 MSL	AJLIP (FO)		2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW14

CLIMB TO 2000 DIRECT AJLIP AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW ILOPE, RT, 143.07 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 143.10 FAF: NOZEC DIST FAF TO MAP: 4.82 THLD: 4.82
4. MIN. ALT: ILOPE 2000, NOZEC 1600
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1600 GS ALT AT: NOZEC 1600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 43.0 34:1 IS NOT CLEAR
8. MSA FROM: RW14 1800

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 323.20 INBOUND.
CHART FAS OBST: 206 TANK 302411N/0862910W
CHART: 224 TOWER 302749N/0863230W
CHART R-2919A.
CHART R-2919B.
CHART W-151A.
DISTANCE TO THLD FROM 250 HATH: 0.65 NM.
CHART VDP AT 1.24 MILES TO RW14*
*LNAV ONLY.
WAAS CHANNEL # 48923
REFERENCE PATH ID: W14A
CHART CIRCLING ICON
CHART: EGLIN AFB
LTP HAE: -20.8 M

MAG VAR: 1W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	272	3/4	250	272	3/4	250	272	3/4	250	272	3/4	250			
LNAV/VNAV DA	367	1 1/8	345	367	1 1/8	345	367	1 1/8	345	367	1 1/8	345			
LNAV MDA	460	1	438	460	1	438	460	1 1/4	438	460	1 1/4	438			
CIRCLING	580	1	558	580	1	558	680	1 3/4	658	680	2	658			

NOTES:
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CRESTVIEW ALTIMETER SETTING
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -5C (23F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CEW VORTAC AIRWAY RADIALS 073 CW 088.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 22 THRE: 22 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DESTIN, FL	DESTIN-FORT WALTON BEACH	RNAV	RNAV (GPS) RWY 14, AMDT 2 12 DECEMBER 2013	AMDT: 1A DATED 04/05/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport 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 CRESTVIEW ALTIMETER SETTING AND INCREASE ALL DA/MDA 80 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE, INCREASE LNAV CATS C AND D 1/8 MILE, AND CIRCLING CATS C AND D 1/4 MILE.
CHART PLANVIEW NOTE: CAUTION: EGLIN AFB 4.9 NM ON FINAL.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 22 THRE: 22	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DESTIN, FL	AIRPORT NAME: **DESTIN-FORT WALTON BEACH**	**RNAV**	**RNAV (GPS) RWY 14, AMDT 2** 12 DECEMBER 2013	AMDT: **1A**
				DATED: **04/05/2012**

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDTS
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	302419.7370N
LTP/FTP LONGITUDE	0862834.8270W
LTP/FTP ELLIPSOIDAL HEIGHT	-00208
FPAP LATITUDE	302309.2300N
FPAP LONGITUDE	0862731.5900W
THRESHOLD CROSSING HEIGHT (TCH)	00043.0
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	83A76F67

ADDITIONAL PATH POINT RECORD INFORMATION

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

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 22 THRE: 22	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DESTIN, FL	AIRPORT NAME: DESTIN-FORT WALTON BEACH	RNAV	RNAV (GPS) RWY 14, AMDT 2 12 DECEMBER 2013	AMDT: 1A DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        CEW   K7011590VTHA N30493423W086404492    N30493423W086404492E0030002552     NARCRESTVIEW

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AJLIP K70    W     N30152188W086203334                      W0029     NAR           AJLIP
        SUSAEAENRT   ILOPE K70    W     N30321430W086354133                      W0028     NAR           ILOPE
        SUSAEAENRT   NOZEC K70    W     N30280861W086320034                      W0028     NAR           NOZEC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDTSK7ADTS     0     050YHN30240020W086281730W001000022         1800018000C    MNAR    DESTIN-FORT WALTON BEACH

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDTSK7FR14   ACEW   010CEW  K7D 0V  A    IF                                          18000                 A JS
        SUSAP KDTSK7FR14   ACEW   020ILOPEK7EA0EE B 010TF                    16680178    + 02000                          A JS
        SUSAP KDTSK7FR14   AILOPE 010ILOPEK7EA0EE AR   HF                    14310040    + 02000     18000                 A JS
        SUSAP KDTSK7FR14   R      010ILOPEK7EA0E  I    IF                                + 02000     18000                 A JS
        SUSAP KDTSK7FR14   R      020NOZECK7EA1E  F 051TF                    14310052    + 01600                 RW14  K7PGA JS
        SUSAP KDTSK7FR14   R      020NOZECK7EA2WALPV       ALNAV/VNAV ALNAV                                                  JS
        SUSAP KDTSK7FR14   R      030RW14 K7PG0GY M 031TF                    14310048      00065             -300          A JS
        SUSAP KDTSK7FR14   R      040          0  M     CA                    1431        + 00272                          A JS
        SUSAP KDTSK7FR14   R      050AJLIPK7EA0EY      DF                                + 02000                          A JS
        SUSAP KDTSK7FR14   R      060AJLIPK7EA0EE  R   HM                    32320040    + 02000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDTSK7GRW14    0050011431 N30241974W086283483+0000    -0020800022000043100R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDTSK7PR14   RW14 001 0000W14A0N3024197370W08628348270-002080300N3023092300W086273159001067512240004 30F40050083A76F67
        SUSAP KDTSK7PR14   RW14 002E      +00066+00066LPV       48923

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

2

CHECKED

CITY AND STATE	ELEVATION: 22 THRE: 22	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DESTIN, FL	AIRPORT NAME: DESTIN-FORT WALTON BEACH	RNAV	RNAV (GPS) RWY 14, AMDT 2 12 DECEMBER 2013	AMDT: 1A DATED: 04/05/2012

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

```
SUSAP KDTSK7SRW14 K7PG          0   18018001825                                    M
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 22 THRE: 22	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DESTIN, FL	AIRPORT NAME: DESTIN-FORT WALTON BEACH	RNAV	RNAV (GPS) RWY 14, AMDT 2 12 DECEMBER 2013	AMDT: 1A DATED: 04/05/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CEW	CEW	010	IAF	IF		FB					
	CEW	ILOPE	020		TF		FB	1.0	166.8(165.8T)	017.8	AA 02000	
	ILOPE	ILOPE	010	IAF	HF	R	FO		143.1(142.1T)	004.0	AA 02000	
		ILOPE	010	FACF	IF		FB				AA 02000	
		NOZEC	020	FAF	TF		FB	0.5	143.1(142.1T)	005.2	AA 01600	
		RW14	030	MAP	TF		FO	0.3	143.1(142.1T)	004.8	AT 00065	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		143.1(142.1T)		AA 00272	
	AJLIP	050		DF		FO				AA 02000	
	AJLIP	060		HM	R	FO		323.2(322.2T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEW	N304934.23	W0864044.92	N3049.571	W08640.749
	AJLIP	N301521.88	W0862033.34	N3015.365	W08620.556
	ILOPE	N303214.30	W0863541.33	N3032.238	W08635.689
	NOZEC	N302808.61	W0863200.34	N3028.144	W08632.006
	RW14	N302419.74	W0862834.83	N3024.329	W08628.581

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	00022	43

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 22 THRE: 22	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DESTIN, FL	AIRPORT NAME: **DESTIN-FORT WALTON BEACH**	**RNAV**	**RNAV (GPS) RWY 14, AMDT 2** 12 DECEMBER 2013	AMDT: **1A**
				DATED: **04/05/2012**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WESON (IAF)	UXZOR (NOPT) (FB)	300.35 / 10.84	2100
HORAV (IAF)	UXZOR (NOPT) (FB)	081.10 / 7.00	2100
UXZOR (IF/IAF)	LRLEI (FB)	001.26 / 7.00	2100
LRLEI (FAF)	RW36 (MAP) (FO)	001.26 / 5.27	
RW36 (MAP)	1500 MSL	001.26	1500
1500 MSL	UXZOR (FO)		2100

MISSED APPROACH

LNAV: RW36
LP: RW36

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 2100 DIRECT UXZOR AND HOLD.

ADDITIONAL FLIGHT DATA:

FAS OBST: 609 AAO 380109N/0880742W
WAAS CHANNEL # 77625
REFERENCE PATH ID: W36A
LTP HAE: 86.3 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S UXZOR, RT, 001.26 INBOUND, 2100 FT. IN LIEU OF PT (IAF)
3. FAC: 001.26 FAF: LRLEI DIST FAF TO MAP: 5.27 THLD: 5.27
4. MIN. ALT: UXZOR 2100, LRLEI 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: RW36 2200

MAG VAR: 1W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	880	1	497	880	1	497	880	1 3/8	497		NA				
LNAV MDA	880	1	497	880	1	497	880	1 3/8	497		NA				
CIRCLING	880	1	492	880	1	492	900	1 1/2	512		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WESON ON V11-47-305 NORTHEAST BOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EVANSVILLE ALTIMETER SETTING AND INCREASE ALL MDA 80 FT AND INCREASE ALL CAT C VISIBILITIES TO 1 5/8 MILE.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 388 THRE: 383 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CARMI, IL	CARMI MUNI	RNAV	RNAV (GPS) RWY 36, ORIG-A 12 DECEMBER 2013	AMDT: ORIG DATED 10/20/2011

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PROFILE NOTE: DESCENT ANGLE NA.

QUALITY

CITY AND STATE	ELEVATION: 388 THRE: 383	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CARMI, IL	AIRPORT NAME: CARMI MUNI	RNAV	RNAV (GPS) RWY 36, ORIG-A 12 DECEMBER 2013	AMDT: ORIG
				DATED: 10/20/2011

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCUL
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	380502.3485N
LTP/FTP LONGITUDE	0880723.1125W
LTP/FTP ELLIPSOIDAL HEIGHT	+00863
FPAP LATITUDE	380631.5500N
FPAP LONGITUDE	0880722.6100W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	69674677

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01168
FPAP ORTHOMETRIC HEIGHT	+01168

QUALITY 4 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   HORAV K50    C   L N37513368W088160993                    W0026     NAR          HORAV
          SUSAEAENRT   LRLEI K50    W     N37594604W088072493                    W0027     NAR          LRLEI
          SUSAEAENRT   UXZOR K50    C   L N37524564W088072734                    W0027     NAR          UXZOR
          SUSAEAENRT   WESON K50    C   L N37472714W087553148                    W0029     NAR          WESON

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCULK5ACUL     0     040YHN38052213W088072302W001000388         1800018000C    MNAR    CARMI MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCULK5FR36   AHORAV 010HORAVK5EA0E  A    IF                                          18000                A JS
          SUSAP KCULK5FR36   AHORAV 020UXZORK5EA0EE B 010TF                  08110070    + 02100                          A JS
          SUSAP KCULK5FR36   AUXZOR 010UXZORK5EA0EE AR   HF                00130040    + 02100     18000                A JS
          SUSAP KCULK5FR36   AWESON 010WESONK5EA0E  A    IF                                      18000                A JS
          SUSAP KCULK5FR36   AWESON 020UXZORK5EA0EE B 010TF                  30040108    + 02100                          A JS
          SUSAP KCULK5FR36   R      010UXZORK5EA0E  I    IF                              + 02100     18000                A JS
          SUSAP KCULK5FR36   R      020LRLEIK5EA1E  F 051TF                  00130070    + 02100                 RW36  K5PGA JS
          SUSAP KCULK5FR36   R      020LRLEIK5EA2WALP       N          ALNAV                                              JS
          SUSAP KCULK5FR36   R      030RW36 K5PG0GY M 031TF                  00130053      00880                 000       A JS
          SUSAP KCULK5FR36   R      040         0  M     CA                0013        + 01500                          A JS
          SUSAP KCULK5FR36   R      050UXZORK5EA0EY  R   DF                              + 02100                          A JS
          SUSAP KCULK5FR36   R      060UXZORK5EA0EE  R   HM                00130040    + 02100                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCULK5GRW36    0040000013 N38050235W088072311+0100    +00863003830000000075R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCULK5PR36   RW36 001 0000W36A0N3805023485W08807231125+008630000N3806315500W088072261001067515280000000F40000069674677
          SUSAP KCULK5PR36   RW36 002E      +01168+01168LP        77625

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCULK5SRW36 K5PG               0   18018002225                                                              M
```

CITY AND STATE	ELEVATION: 388 THRE: 383 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CARMI, IL	**CARMI MUNI**	**RNAV**	**RNAV (GPS) RWY 36, ORIG-A** 12 DECEMBER 2013	AMDT: **ORIG**
				DATED: **10/20/2011**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HORAV	HORAV	010	IAF	IF		FB					
	HORAV	UXZOR	020		TF		FB	1.0	081.1(080.1T)	007.0	AA 02100	
	UXZOR	UXZOR	010	IAF	HF	R	FO		001.3(000.3T)	004.0	AA 02100	
	WESON	WESON	010	IAF	IF		FB					
	WESON	UXZOR	020		TF		FB	1.0	300.4(299.4T)	010.8	AA 02100	
		UXZOR	010	FACF	IF		FB				AA 02100	
		LRLEI	020	FAF	TF		FB	0.5	001.3(000.3T)	007.0	AA 02100	
		RW36	030	MAP	TF		FO	0.3	001.3(000.3T)	005.3	AT 00880	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		001.3(000.3T)		AA 01500	
	UXZOR	050		DF	R	FO				AA 02100	
	UXZOR	060		HM	R	FO		001.3(000.3T)	004.0	AA 02100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HORAV	N375133.68	W0881609.93	N3751.561	W08816.166
	LRLEI	N375946.04	W0880724.93	N3759.767	W08807.416
	UXZOR	N375245.64	W0880727.34	N3752.761	W08807.456
	WESON	N374727.14	W0875531.48	N3747.452	W08755.525
	RW36	N380502.35	W0880723.11	N3805.039	W08807.385

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	00383	00

CITY AND STATE	ELEVATION: 388 THRE: 383 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CARMI, IL	CARMI MUNI	RNAV	RNAV (GPS) RWY 36, ORIG-A 12 DECEMBER 2013	AMDT: ORIG DATED: 10/20/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

ALTERNATE: NA

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 12 DECEMBER 2013

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
BELLEVILLE, KS	**ELEVATION: 1538** **THRE: 1524** AIRPORT NAME: **BELLEVILLE MUNI**	**RPB**	**NDB RWY 18, AMDT 5, 10/20/2011**	SUP **NDB OR GPS RWY 18** AMDT **4** DATE **05/10/2007**

FAA FORM 8260-5 / April 2006 (computer generated)

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

ALTERNATE: N A

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 12 DECEMBER 2013

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1538 THRE: 1538	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP NDB OR GPS RWY 36
BELLEVILLE, KS	AIRPORT NAME: **BELLEVILLE MUNI**	**RPB**	**NDB RWY 36, AMDT 5, 10/20/2011**	AMDT **4A**
				DATE **06/04/2009**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BGR VORTAC	OLD NDB	065.00 / 14.18	4500
MLT VOR/DME	OLD NDB	208.26 / 35.23	2800

MISSED APPROACH

MAP: 3.37 MILES AFTER OLD NDB

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 1900 DIRECT OLD NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 226.65 INBOUND.
CHART FAS OBST: 249 TREE 445829N/0683728W
CHART BANGOR INTL ASOS
OLD NDB TO RW22: 3.44/52
CHART OLD TOWN SEAPLANE BASE IN PLANVIEW
359 AAO 450054N/0683935W

1. PT L SIDE OF COURSE 046.65 OUTBOUND 2800 FT WITHIN 10 MILES OF OLD NDB (IAF)
2.
3. FAC 226.65 FAF OLD NDB DIST FAF TO MAP 3.37 THLD 3.37
4. MIN. ALT OLD NDB 1400
8. MSA FROM: OLD NDB 360-270 3100, 270-360 2600

MAG VAR: 19W EPOCH YEAR:1995

MINIMUMS

TAKEOFF: 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-22	660	1	534	660	1	534	660	1 1/2	534		NA				
CIRCLING	660	1	534	660	1	534	660	1 1/2	534		NA				

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA.
CHART NOTE: USE BANGOR INTL ALTIMETER SETTING; WHEN NOT RECEIVED, USE BAR HARBOR ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE S-22 AND CIRCLING CAT C VISIBILITY 1/4 MILE.

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 126 TDZE: 126	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
OLD TOWN, ME	AIRPORT NAME: DEWITT FLD,OLD TOWN MUNI	OLD	NDB RWY 22, AMDT 6A 12 DECEMBER 2013	AMDT 6
				DATE 09/23/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MISSED APPROACH

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 12 DECEMBER 2013

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1159 TDZE: 1158	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
FORT LEONARD WOOD, MO	AIRPORT NAME: WAYNESVILLE-ST. ROBERT RGNL FORNEY FLD	**BHN**	**NDB/DME RWY 14, AMDT 1B, 08/28/2008**	AMDT **1A**
				DATE **05/04/2000**

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
LAUREL, MT	LAUREL MUNI	12 DECEMBER 2013	3

TAKEOFF MINIMUMS:

RWY 9, 14, 27, 32, NA.
RWY 4, 22 STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 4 – CLIMBING LEFT TURN DIRECT BIL VORTAC, THENCE...
RWY 22 – CLIMBING LEFT TURN DIRECT BIL VORTAC, THENCE...
...IF REQUIRED, CONTINUE CLIMB IN BIL VORTAC HOLDING PATTERN (HOLD W, RIGHT TURNS, 072.00° INBOUND) TO CROSS BIL VORTAC AT OR ABOVE MEA/MCA FOR ROUTE OF FLIGHT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4, GROUND BEGINNING 47 FT FROM DER, 397 FT LEFT OF CENTERLINE, UP TO 3480 FT MSL. MULTIPLE TREES BEGINNING 309 FT FROM DER, 260 FT RIGHT OF CENTERLINE, UP TO 68 FT AGL/3522 FT MSL. FENCE BEGINNING 64 FT FROM DER, 281 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/3469 FT MSL.

NOTE: RWY 22, GROUND BEGINNING 34 FT FROM DER, 264 FT RIGHT OF CENTERLINE, UP TO 3498 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 22 - 4308 FT MSL AAO 454231.09N/1085033.00W.
RWY 4 – 11004 FT MSL AAO 450736.40N/1092647.02W

QUALITY 3 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
LAUREL, MT	LAUREL MUNI	12 DECEMBER 2013	3

FLIGHT INSPECTED BY:

Daniel Stricker 8/28/13

REQUIRED EFFECTIVE DATE:

CONCURRENT WITH BILLINGS FOUR DEPARTURE.

DEVELOPED BY:

DANIEL D OLSON AJW-354 05/30/2013

APPROVED BY:

DEBORAH L COPELAND AJW-354 SEP 24 2013

COORDINATED WITH:

ZLC, AMGR, NBAA, AOPA,ALPA, ATA

CHANGES:

1. ADDED TEXTUAL DEPARTURE PROCEDURES FOR BOTH RWYS.
2. ADDED TAKEOFF OBSTACLE NOTES.
3. ADDED ABILITY TO CLIMB IN HOLD AT BIL VORTAC

REASONS:

1. AS PER ATC.
2. NEW SURVEY.
3. TO MEET MEA/MCA.

3

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CASUB (IAF)	BIRKE (NOPT) (FB)	177.33 / 5.23	2600
WARRD (IAF)	BIRKE (NOPT) (FB)	301.14 / 8.98	2600
BIRKE (IF/IAF)	ZERPO (FB)	238.61 / 6.03	1900
ZERPO (FAF)	FEMVU/2.50 NM TO RW24 (FB)	238.54 / 2.69	
FEMVU/2.50 NM TO RW24	RW24 (MAP) (FO)	238.54 / 2.50	
RW24 (MAP)	579 MSL	238.54	
579 MSL	ZUBAX (FO)		2700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW24

CLIMB TO 2700 DIRECT ZUBAX AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE BIRKE, RT, 238.61 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 238.54 FAF: ZERPO DIST FAF TO MAP: 5.19 THLD: 5.19
4. MIN. ALT: BIRKE 2600, ZERPO 1900, FEMVU/2.50 NM TO RW24 1020*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1900 GS ALT AT: ZERPO 1900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR
8. MSA FROM: RW24 2600

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 058.37 INBOUND.
CHART FAS OBST: 346 TOWER 401755N/0744754W
CHART FAS OBST: 370 TOWER 401633N/0744812W
DISTANCE TO THLD FROM 387 HATH: 1.04 NM.
CHART VDP AT 1.21 MILES TO RW24*
*LNAV ONLY.
WAAS CHANNEL # 97530
REFERENCE PATH ID: W24A
CHART CIRCLING ICON
LTP HAE: 25.1 M

MAG VAR: 12W EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	579	1 1/4	387	579	1 1/4	387	579	1 1/4	387	579	1 1/4	387			
LNAV/VNAV DA	630	1 1/2	438	630	1 1/2	438	630	1 1/2	438	630	1 1/2	438			
LNAV MDA	620	1	428	620	1	428	620	1 1/4	428	620	1 1/4	428			
CIRCLING	680	1	467	680	1	467	760	1 1/2	547	960	2 1/2	747			

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 34 NA AT NIGHT.
CHART NOTE: BARO-VNAV NA WHEN USING NORTHEAST PHILADELPHIA ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -13C (8F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

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

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 213 THRE: 192 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TRENTON, NJ	TRENTON MERCER	RNAV	RNAV (GPS) Z RWY 24, AMDT 1 12 DECEMBER 2013	AMDT: ORIG DATED 09/20/2012

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport 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 NORTHEAST PHILADELPHIA ALTIMETER SETTING: INCREASE LPV DA TO 626 AND LNAV/VNAV DA TO 677 FT AND ALL VISIBILITIES 1/8 MILE; INCREASE ALL MDA 60 FT AND LNAV CATS C AND D VISIBILITIES 1/8 MILE AND CIRCLING VISIBILITY CAT C 1/4 MILE.
CHART NOTE: VDP NA WITH NORTHEAST PHILADELPHIA ALTIMETER SETTING.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WAARD ON V213 SOUTHBOUND.
CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT CASUB.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

QUALITY

CITY AND STATE	ELEVATION: 213 THRE: 192	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TRENTON, NJ	AIRPORT NAME: TRENTON MERCER	RNAV	RNAV (GPS) Z RWY 24, AMDT 1 12 DECEMBER 2013	AMDT: ORIG
				DATED: 09/20/2012

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

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTTN
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	401651.9810N
LTP/FTP LONGITUDE	0744821.4910W
LTP/FTP ELLIPSOIDAL HEIGHT	+00251
FPAP LATITUDE	401550.5840N
FPAP LONGITUDE	0744945.9050W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	CE9499F1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00585
FPAP ORTHOMETRIC HEIGHT	+00585

QUALITY CHECKED

CITY AND STATE	ELEVATION: 213 THRE: 192	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TRENTON, NJ	AIRPORT NAME: TRENTON MERCER	RNAV	RNAV (GPS) Z RWY 24, AMDT 1 12 DECEMBER 2013	AMDT: ORIG DATED: 09/20/2012

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BIRKE K60    W     N40243530W074374232                      W0126     NAR           BIRKE
        SUSAEAENRT   CASUB K60    W     N40293893W074392630                      W0126     NAR           CASUB
        SUSAEAENRT   FEMVU K60    W     N40183530W074455929                      W0125     NAR           FEMVU
        SUSAEAENRT   WARRD K60    C   L N40213911W074263609                      W0127     NAR           WARRD
        SUSAEAENRT   ZERPO K60    W     N40202645W074432610                      W0126     NAR           ZERPO
        SUSAEAENRT   ZUBAX K60    C     N40082464W074595705                      W0123     NAR           ZUBAX

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTTNK6ATTN     0     060YHN40163610W074484850W012000213         1800018000C    MNAR    TRENTON MERCER

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTTNK6FR24-Z ABIRKE 010BIRKEK6EA0EE AR   HF                       23860040    + 02600     18000                A JS
        SUSAP KTTNK6FR24-Z ACASUB 010CASUBK6EA0E  A    IF                                           18000                A JS
        SUSAP KTTNK6FR24-Z ACASUB 020BIRKEK6EA0EE B 010TF                       17730052    + 02600                          A JS
        SUSAP KTTNK6FR24-Z AWARRD 010WARRDK6EA0E  A    IF                                           18000                A JS
        SUSAP KTTNK6FR24-Z AWARRD 020BIRKEK6EA0EE B 010TF                       30110090    + 02600                          A JS
        SUSAP KTTNK6FR24-Z R      010BIRKEK6EA0E  I    IF                                 + 02600     18000                A JS
        SUSAP KTTNK6FR24-Z R      020ZERPOK6EA1E  F 051TF                       23860060    + 01900                RW24  K6PGA JS
        SUSAP KTTNK6FR24-Z R      020ZERPOK6EA2WALPV      ALNAV/VNAV ALNAV                                                    JS
        SUSAP KTTNK6FR24-Z R      021FEMVUK6EA0E S  031TF                       23850027    V 0102001043       -300          A JS
        SUSAP KTTNK6FR24-Z R      030RW24 K6PG0GY M 031TF                       23850025      00247            -300          A JS
        SUSAP KTTNK6FR24-Z R      040         0  M     CA                       2385        + 00579                          A JS
        SUSAP KTTNK6FR24-Z R      050ZUBAXK6EA0EY       DF                                 + 02700                          A JS
        SUSAP KTTNK6FR24-Z R      060ZUBAXK6EA0EE  R    HM                       05840040    + 02700                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTTNK6GRW24     0060062385 N40165198W074482149-0500     +00251001920000550150R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTTNK6PR24-Z RW24 001Z0000W24A0N4016519810W07448214910+002510300N4015505840W0744945905010675092000055OF400500CE9499F1
        SUSAP KTTNK6PR24-Z RW24 002E      +00585+00585LPV       97530

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

QUALITY CHECKED

CITY AND STATE	ELEVATION: 213 THRE: 192	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TRENTON, NJ	AIRPORT NAME: **TRENTON MERCER**	**RNAV**	**RNAV (GPS) Z RWY 24, AMDT 1** 12 DECEMBER 2013	AMDT: **ORIG**
				DATED: **09/20/2012**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTTNK6SRW24 K6PG                0   18018002625                                                                          M
```

CITY AND STATE	ELEVATION: 213 THRE: 192	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TRENTON, NJ	AIRPORT NAME: TRENTON MERCER	RNAV	RNAV (GPS) Z RWY 24, AMDT 1 12 DECEMBER 2013	AMDT: ORIG DATED: 09/20/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BIRKE	BIRKE	010	IAF	HF	R	FO		238.6(226.6T)	004.0	AA 02600	
	CASUB	CASUB	010	IAF	IF		FB					
	CASUB	BIRKE	020		TF		FB	1.0	177.3(165.3T)	005.2	AA 02600	
	WARRD	WARRD	010	IAF	IF		FB					
	WARRD	BIRKE	020		TF		FB	1.0	301.1(289.1T)	009.0	AA 02600	
		BIRKE	010	FACF	IF		FB				AA 02600	
		ZERPO	020	FAF	TF		FB	0.5	238.6(226.6T)	006.0	AA 01900	
		FEMVU	021	SDF	TF		FB	0.3	238.5(226.5T)	002.7	AA 01020 GS 01043	
		RW24	030	MAP	TF		FO	0.3	238.5(226.5T)	002.5	AT 00247	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		238.5(226.5T)		AA 00579	
	ZUBAX	050		DF		FO				AA 02700	
	ZUBAX	060		HM	R	FO		058.4(046.4T)	004.0	AA 02700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BIRKE	N402435.30	W0743742.32	N4024.588	W07437.705
	CASUB	N402938.93	W0743926.30	N4029.649	W07439.438
	FEMVU	N401835.30	W0744559.29	N4018.588	W07445.988
	WARRD	N402139.11	W0742636.09	N4021.652	W07426.602
	ZERPO	N402026.45	W0744326.10	N4020.441	W07443.435
	ZUBAX	N400824.64	W0745957.05	N4008.411	W07459.951
	RW24	N401651.98	W0744821.49	N4016.866	W07448.358

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24	00192	55

CITY AND STATE	ELEVATION: 213 THRE: 192	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TRENTON, NJ	AIRPORT NAME: **TRENTON MERCER**	**RNAV**	**RNAV (GPS) Z RWY 24, AMDT 1** 12 DECEMBER 2013	AMDT: **ORIG**
				DATED: **09/20/2012**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

COPTER LDA/DME - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.25

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
VECCU/I-DLS 13.01 DME (IF/IAF)	CITAV/I-DLS 10.47 DME	238.03 / 2.54 (I-DLS)	4500
CITAV/I-DLS 10.47 DME	LIREY/I-DLS 7.98 DME	238.03 / 2.50 (I-DLS)	3800

MISSED APPROACH

LDA/GS: DA

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 7000 ON HEADING 125 AND LTJ VOR/DME R-165 TO JIREN/LTJ 15.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000.

ADDITIONAL FLIGHT DATA:
HOLD S, LT, 344.70 INBOUND.
CHART IN PLANVIEW LTJ 10.03 DME AT VECCU.
FAC CROSSES RWY C/L EXTENDED 3004 FROM THLD.
FINAL APP COURSE OFFSET 14.98 DEGREES

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE VECCU, RT, 238.03 INBOUND, 5300 FT. IN LIEU OF PT (IAF)
3. FAC: 238.03 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: VECCU 5300, CITAV 4500, LIREY 3800
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 530
6. MIN GS INCPT: - GS ALT AT: LIREY OM: - MM: - IM: -
7. GS ANGLE: 4.20 TCH: 42.5
8. MSA FROM: LTJ VOR/DME 355-085 7100, 085-175 6800, 175-265 12600, 265-355 13600 (30 NM)

MAG VAR: 15E EPOCH YEAR: 2015

MINIMUMS

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

ALTERNATE: N A | X

CATEGORY =====>	COPTER														
	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
H-25	783	1 1/2	540												

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: GLIDE SLOPE PROVIDED BY STANDARD GLIDE SLOPE EQUIPMENT.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT VECCU ON V112 WESTBOUND.
CHART PLANVIEW NOTE: LDA/GLIDE SLOPE
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 247 THRE: 243 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
THE DALLES, OR	COLUMBIA GORGE RGNL/THE DALLES MUNI	I-DLS	COPTER LDA/DME RWY 25, AMDT 1 12 DECEMBER 2013	AMDT: ORIG DATED 05/10/2007

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

COPTER LDA/DME - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport 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: LIMIT FINAL AND MISSED APPROACH TO 70 KIAS.
CHART PROFILE NOTE: USE I-DLS DME WHEN ON THE LOCALIZER COURSE.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
THE DALLES, OR	**ELEVATION: 247** **THRE: 243** AIRPORT NAME: **COLUMBIA GORGE RGNL/THE DALLES MUNI**	**I-DLS**	**COPTER LDA/DME RWY 25, AMDT 1** 12 DECEMBER 2013	SUP: AMDT: **ORIG** DATED: **05/10/2007**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

LDA/DME - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.25

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
VECCU/I-DLS 13.01 DME (IF/IAF)	CITAV/I-DLS 10.47 DME	238.03 / 2.54 (I-DLS)	4500
CITAV/I-DLS 10.47 DME	LIREY/I-DLS 7.98 DME	238.03 / 2.50 (I-DLS)	3800

MISSED APPROACH

LDA/GS: DA

CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 7000 ON HEADING 135 AND LTJ VOR/DME R-165 TO JIREN/LTJ 15.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000.

ADDITIONAL FLIGHT DATA:
HOLD S, LT, 344.70 INBOUND.
FAC CROSSES RWY C/L EXTENDED 3004 FROM THLD.
CHART IN PLANVIEW: LTJ 10.03 DME AT VECCU
FINAL APP COURSE OFFSET 14.98 DEGREES

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE VECCU, RT, 238.03 INBOUND, 5300 FT. IN LIEU OF PT (IAF)
3. FAC: 238.03 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: VECCU 5300, CITAV 4500, LIREY 3800
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 530
6. MIN GS INCPT: 3800 GS ALT AT: LIREY 3800 OM: - MM: - IM: -
7. GS ANGLE: 4.20 TCH: 42.5
8. MSA FROM: LTJ VOR/DME 355-085 7100, 085-175 6800, 175-265 12600, 265-355 13600 (30 NM)

MAG VAR: 19E EPOCH YEAR: 1985

MINIMUMS

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

ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-LDA/GS 25	1368	3	1125	1368	3	1125		NA			NA				

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: GLIDE SLOPE PROVIDED BY STANDARD GLIDE SLOPE EQUIPMENT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT VECCU ON V112 WESTBOUND.
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 247 THRE: 243 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
THE DALLES, OR	COLUMBIA GORGE RGNL/THE DALLES MUNI	I-DLS	LDA/DME RWY 25, AMDT 1 12 DECEMBER 2013	AMDT: ORIG-A DATED 07/29/2010

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LDA/DME - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.25

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

NOTES, (CONT.):
CHART PLANVIEW NOTE: LDA/GLIDE SLOPE
CHART PROFILE NOTE: USE I-DLS DME WHEN ON THE LOCALIZER COURSE.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
THE DALLES, OR	**ELEVATION: 247** **THRE: 243** AIRPORT NAME: **COLUMBIA GORGE RGNL/THE DALLES MUNI**	**I-DLS**	**LDA/DME RWY 25, AMDT 1** 12 DECEMBER 2013	SUP: AMDT: **ORIG-A** DATED: **07/29/2010**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CEVBI	SURDE (FB)	246.14 / 6.12	5500
SURDE (IAF)	FEDUM (NOPT) (FB)	247.21 / 5.70	4500
KUKTE (IAF)	FEDUM (NOPT) (FB)	009.98 / 8.20	4500
FEDUM (IF)	GOCEN (FB)	309.11 / 5.86	3000
GOCEN (FAF)	HEMAB/3.10 NM TO JALEL (FB)	339.03 / 1.50	
HEMAB/3.10 NM TO JALEL	JALEL (MAP) (FO)	339.03 / 3.10	
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV: JALEL

CLIMBING RIGHT TURN TO 4500 DIRECT CEVBI AND HOLD;
WHEN DIRECTED BY ATC, CONTINUE CLIMB-IN-HOLD TO 7300.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 302.04 INBOUND.
CHART FAS OBST: 1037 TREE 453455N/1210941W
FAC CROSSES MID POINT OF RWY 13-31.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE FEDUM, RT, 309.11 INBOUND, 4500 FT. IN LIEU OF PT (IAF)
3. FAC: 339.03 FAF: GOCEN DIST FAF TO MAP: 4.60 THLD:
4. MIN. ALT: FEDUM 4500, GOCEN 3000, HEMAB/3.10 NM TO JALEL 2120
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: ____
8. MSA FROM: JALEL 12700

MAG VAR: 15E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: 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	1320	1 1/4	1073	1320	1 1/2	1073	1320	3	1073	1360	3	1113			

NOTES:
CHART NOTE: CIRCLING TO RWY 7, 31 NA AT NIGHT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
(SEE FORM 8260-10)

@ CAT A, B 1100-2, CAT C 1100-3, CAT D 1200-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 247 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
THE DALLES, OR	COLUMBIA GORGE RGNL/THE DALLES MUNI	RNAV	RNAV (GPS)-A, AMDT 1 12 DECEMBER 2013	AMDT: ORIG-A DATED 01/17/2008

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JALEL (MAP)	647 MSL	339.03	
647 MSL	CEVBI (FO)		4500

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KUKTE ON V25 SOUTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CEVBI ON V497 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 230 KIAS.

CITY AND STATE	ELEVATION: 247 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
THE DALLES, OR	COLUMBIA GORGE RGNL/THE DALLES MUNI	RNAV	RNAV (GPS)-A, AMDT 1 12 DECEMBER 2013	AMDT: ORIG-A DATED: 01/17/2008

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CEVBI K10    C   L N45290506W120474589                    E0157     NAR           CEVBI
        SUSAEAENRT   FEDUM K10    W     N45272164W121042217                    E0158     NAR           FEDUM
        SUSAEAENRT   GOCEN K10    W     N45320615W121091521                    E0158     NAR           GOCEN
        SUSAEAENRT   HEMAB K10    W     N45333536W121092848                    E0158     NAR           HEMAB
        SUSAEAENRT   JALEL K10    W     N45364031W121095604                    E0158     NAR           JALEL
        SUSAEAENRT   KUKTE K10    C   L N45195595W121091729                    E0158     NAR           KUKTE
        SUSAEAENRT   SURDE K10    W     N45280821W120562121                    E0157     NAR           SURDE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLSK1ADLS     0     050YHN45370680W121100240E015000247          1800018000C    MNAR    COLUMBIA GORGE RGNL/THE DALLES

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLSK1FRNV-A ACEVBI 010CEVBIK1EA0E       IF                                          18000                B JC
        SUSAP KDLSK1FRNV-A ACEVBI 020SURDEK1EA0E  A 020TF                    24610061    + 05500                      B JC
        SUSAP KDLSK1FRNV-A ACEVBI 030FEDUMK1EA0EE B 010TF                    24720057    + 04500                      B JC
        SUSAP KDLSK1FRNV-A AFEDUM 010FEDUMK1EA0EE AR   HF                    30910050    + 04500     18000            B JC
        SUSAP KDLSK1FRNV-A AKUKTE 010KUKTEK1EA0E  A    IF                                        18000                B JC
        SUSAP KDLSK1FRNV-A AKUKTE 020FEDUMK1EA0EE B 010TF                    01000082    + 04500                      B JC
        SUSAP KDLSK1FRNV-A R      010FEDUMK1EA0E  I    IF                                + 04500     18000            B JC
        SUSAP KDLSK1FRNV-A R      020GOCENK1EA0E  F 051TF                    30910059    + 03000           JALEL K1EAB JC
        SUSAP KDLSK1FRNV-A R      021HEMABK1EA0E S  031TF                    33900015    + 02120                      B JC
        SUSAP KDLSK1FRNV-A R      030JALELK1EA0EY M 031TF                    33900031      01360         000          B JC
        SUSAP KDLSK1FRNV-A R      040         0  M     CA                    3390        + 00647                      B JC
        SUSAP KDLSK1FRNV-A R      050CEVBIK1EA0EY  R   DF                               + 04500                      B JC
        SUSAP KDLSK1FRNV-A R      060CEVBIK1EA0EE  R   HM                    30200050    + 04500                      B JC

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDLSK1SJALELK1EA              0   18018012725                                                                  M
```

CITY AND STATE	ELEVATION: **247** THRE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
THE DALLES, OR	AIRPORT NAME: **COLUMBIA GORGE RGNL/THE DALLES MUNI**	**RNAV**	**RNAV (GPS)-A, AMDT 1** 12 DECEMBER 2013	AMDT: **ORIG-A**
				DATED: **01/17/2008**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CEVBI	CEVBI	010		IF		FB					
	CEVBI	SURDE	020	IAF	TF		FB	2.0	246.1(261.1T)	006.1	AA 05500	
	CEVBI	FEDUM	030		TF		FB	1.0	247.2(262.2T)	005.7	AA 04500	
	FEDUM	FEDUM	010	IAF	HF	R	FO		309.1(324.1T)	005.0	AA 04500	
	KUKTE	KUKTE	010	IAF	IF		FB					
	KUKTE	FEDUM	020		TF		FB	1.0	010.0(025.0T)	008.2	AA 04500	
		FEDUM	010	FACF	IF		FB				AA 04500	
		GOCEN	020	FAF	TF		FB	0.5	309.1(324.1T)	005.9	AA 03000	
		HEMAB	021	SDF	TF		FB	0.3	339.0(354.0T)	001.5	AA 02120	
		JALEL	030	MAP	TF		FO	0.3	339.0(354.0T)	003.1	AT 01360	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		339.0(354.0T)		AA 00647	
	CEVBI	050		DF	R	FO				AA 04500	
	CEVBI	060		HM	R	FO		302.0(317.0T)	005.0	AA 04500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEVBI	N452905.06	W1204745.89	N4529.084	W12047.765
	FEDUM	N452721.64	W1210422.17	N4527.361	W12104.370
	GOCEN	N453206.15	W1210915.21	N4532.103	W12109.254
	HEMAB	N453335.36	W1210928.48	N4533.589	W12109.475
	JALEL	N453640.31	W1210956.04	N4536.672	W12109.934
	KUKTE	N451955.95	W1210917.29	N4519.933	W12109.288
	SURDE	N452808.21	W1205621.21	N4528.137	W12056.354

CITY AND STATE	ELEVATION: 247 THRE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
THE DALLES, OR	AIRPORT NAME: COLUMBIA GORGE RGNL/THE DALLES MUNI	RNAV	RNAV (GPS)-A, AMDT 1 12 DECEMBER 2013	AMDT: ORIG-A DATED: 01/17/2008

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
GILLETTE, WY	GILLETTE-CAMPBELL COUNTY	12 DECEMBER 2013	4A

TAKEOFF MINIMUMS:

RWY 3, 34 – STANDARD

RWY 16, STANDARD WITH MINIMUM CLIMB OF 275 FEET PER NM TO 5200, OR 1200 - 3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 21, STANDARD WITH MINIMUM CLIMB OF 425 FEET PER NM TO 5400, OR 1200 - 3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 16 - CLIMB HEADING 157.67 TO 5200 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS GILLETTE-CAMPBELL COUNTY AIRPORT AT OR ABOVE 5400 BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

RWY 21 - FOR CLIMB IN VISUAL CONDITIONS: CROSS GILLETTE-CAMPBELL COUNTY AIRPORT AT OR ABOVE 5400 BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 3, VEHICLES ON ROAD BEGINNING 3 FT FROM DER, 433 FT LEFT OF CENTERLINE, UP TO 15 FT AGL / 4317 FT MSL. LIGHT 10 FT FROM DER, 47 FT LEFT OF CENTERLINE, 18 FT AGL / 4318 FT MSL. RUNWAY END IDENTIFIER LIGHTS 20 FT FROM DER, 113 FT RIGHT OF CENTERLINE, 1 FT AGL / 4319 FT MSL. VEHICLES ON ROAD BEGINNING 414 FT FROM DER, 589 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL / 4328 FT MSL. WINDSOCK 1415 FT FROM DER, 100 FT LEFT OF CENTERLINE, 26 FT AGL / 4366 FT MSL.

NOTE: RWY 16, VEHICLES ON ROAD BEGINNING 2275 FT FROM DER, 828 FT LEFT OF CENTERLINE, UP TO 15 FT AGL / 4434 FT MSL.

NOTE: RWY 21, LIGHT 10 FT FROM DER, 47 FT LEFT OF CENTERLINE, 4 FT AGL / 4344 FT MSL. FENCE BEGINNING 328 FT FROM DER, 267 FT LEFT OF CENTERLINE, UP TO 12 FT AGL / 4352 FT MSL. TERRAIN 1241 FT FROM DER, 594 FT RIGHT OF CENTERLINE, 4379 FT MSL. ANTENNA 1266 FT FROM DER, 490 FT RIGHT OF CENTERLINE, 14 FT AGL / 4394 FT MSL. TERRAIN 1959 FT FROM DER, 855 FT RIGHT OF CENTERLINE, 4399 FT MSL. POLES BEGINNING 3274 FT FROM DER, 960 FT RIGHT OF CENTERLINE, UP TO 56 FT AGL / 4436 FT MSL. POLES BEGINNING 4850 FT FROM DER, 31 FT LEFT OF CENTERLINE, UP TO 56 FT AGL / 4476 FT MSL.

NOTE: RWY 34, FENCE 1236 FT FROM DER, 723 FT LEFT OF CENTERLINE, 20 FT AGL / 4380 FT MSL. VEHICLES ON ROAD BEGINNING 1609 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL / 4394 FT MSL.

CONTROLLING OBSTACLES:

RWY 16 – 4789 FT MSL TREE 441809.55N-1053234.29W, 4970 FT MSL TOWER 441817.40N-1053355.10W.

RWY 21– 4970 FT TOWER 441817.40N-1053355.10W, 4729 FT MSL TREE 442003.00N-1053403.00W.

VCOA OBSTACLE - 5079 FT MSL AAO 441821.71N-1053607.47W, 5296 FT MSL TOWER 441435.33N-1053220.17W.

OSTACLES MANDATING ODP ROUTE DEVELOPMENT
RWY 16 - 4818 FT MSL TRMSN TOWER 441838.68N-1053250.53W.

QUALITY

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
GILLETTE, WY	GILLETTE-CAMPBELL COUNTY	12 DECEMBER 2013	4A

REMARKS:

30 FT VEGETATION PER FPT.

FLIGHT INSPECTED BY:

Daniel C Favorite 9/5/13

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PETE GETZ
(DUSTIN R. DAVIDSON) AJV-354 05/01/2013

APPROVED BY:

SUE CRUMB AJV-354 SEP 24 2013

COORDINATED WITH:

ATA, ALPA, AOPA, NBAA, ZDV, GCC ATCT, AMGR

CHANGES:

1. DECREASED RWY 16 CLIMB TO ALTITUDE FROM 5600 FT TO 5200 FT.
2. INCREASED RWY 21 TURN ALTITUDE FROM 5200 TO 5400.
3. ADDED VCOA OPTION FOR RWY 21.
4. ADDED NOTE FOR TEXTUAL DEPARTURE "WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE".
5. UPDATED TAKEOFF OBSTACLE NOTES
6. UPDATED CONTROLLING OBSTACLES.

REASONS:

1-2. NEW OBSTACLES.
3-4. PENETRATIONS EXIST OUTSIDE 3 SM OF AIRPORT.
5-6. NEW OBSTACLES.

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30924; Amdt. No. 3559]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

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

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

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

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

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

For Examination –

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

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

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

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability – All SIAPs are available online free of charge. Visit nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

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

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

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

MacArthur Blvd., Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082 Oklahoma City, OK. 73125) telephone: (405) 954-4164. SUPPLEMENTARY INFORMATION: This rule amends Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) by amending the referenced SIAPs. The complete regulatory description of each SIAP is listed on the appropriate FAA Form 8260, as modified by the National Flight Data Center (FDC)/Permanent Notice to Airmen (P-NOTAM), and is incorporated by reference in the amendment under 5 U.S.C. 552(a), 1 CFR part 51, and §97.20 of Title 14 of the Code of Federal Regulations.

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

THE RULE

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

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

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

CONCLUSION

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

List of Subjects in 14 CFR part 97:

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

Issued in Washington, DC on SEPTEMBER 27, 2013.

John Duncan
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

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

Part 97 – Standard Instrument Approach Procedures

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

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

2. Part 97 is amended to read as follows:

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

.....EFFECTIVE UPON PUBLICATION

AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
11/14/13	VA	Martinsville	Blue Ridge	3/0372	9/18/13	RNAV (GPS) RWY 30, Amdt 2
11/14/13	VA	Martinsville	Blue Ridge	3/0373	9/18/13	LOC RWY 30, Amdt 1B
11/14/13	CA	San Jose	Norman Y. Mineta San Jose Intl	3/0755	9/18/13	RNAV (GPS) RWY 11, Orig-B
11/14/13	CA	San Jose	Norman Y. Mineta San Jose Intl	3/0757	9/18/13	RNAV (GPS) RWY 29, Orig-C
11/14/13	TX	Carrizo Springs	Dimmit County	3/1090	9/18/13	NDB RWY 31, Amdt 3A
11/14/13	WI	Milwaukee	Lawrence J Timmerman	3/2382	9/18/13	Takeoff Minimums and (Obstacle) DP, Amdt 1A
11/14/13	VA	Petersburg	Dinwiddie County	3/2539	9/18/13	VOR RWY 23, Amdt 6A
11/14/13	VA	Petersburg	Dinwiddie County	3/2540	9/18/13	LOC/NDB RWY 5, Orig
11/14/13	VA	Petersburg	Dinwiddie County	3/2541	9/18/13	RNAV (GPS) RWY 5, Amdt 1A
11/14/13	VA	Petersburg	Dinwiddie County	3/2542	9/18/13	RNAV (GPS) RWY 23, Amdt 1A
11/14/13	MI	Benton Harbor	Southwest Michigan Rgnl	3/2732	9/18/13	NDB RWY 28, Amdt 10A
11/14/13	LA	Bastrop	Morehouse Memorial	3/2733	9/18/13	Takeoff Minimums and (Obstacle) DP, Orig
11/14/13	NJ	Newark	Newark Liberty Intl	3/4591	9/18/13	ILS OR LOC RWY 11, Amdt 2B
11/14/13	NJ	Newark	Newark Liberty Intl	3/4592	9/18/13	ILS OR LOC RWY 4L, ILS RWY 4L (SA CAT I), ILS RWY 4L (SA CAT II), Amdt 14
11/14/13	NJ	Newark	Newark Liberty Intl	3/4593	9/18/13	ILS OR LOC RWY 4R, ILS RWY 4R (CAT II), ILS RWY 4R (CAT III), Amdt 12C
11/14/13	NJ	Newark	Newark Liberty Intl	3/4594	9/18/13	ILS OR LOC RWY 22L, ILS RWY 22L (SA CAT I), ILS RWY 22L (CAT II), ILS RWY 22L (CAT III), Amdt 13
11/14/13	NJ	Newark	Newark Liberty Intl	3/4595	9/18/13	COPTER ILS/DME RWY 22L, Orig-A
11/14/13	NJ	Newark	Newark Liberty Intl	3/4598	9/18/13	ILS OR LOC RWY 22R, Amdt 5B
11/14/13	NJ	Newark	Newark Liberty Intl	3/4599	9/18/13	GLS RWY 4L, Orig-C
11/14/13	NJ	Newark	Newark Liberty Intl	3/4600	9/18/13	GLS RWY 4R, Orig-B
11/14/13	NJ	Newark	Newark Liberty Intl	3/4601	9/18/13	GLS RWY 11, Orig-A
11/14/13	NJ	Newark	Newark Liberty Intl	3/4602	9/18/13	VOR/DME RWY 22L, Orig-C
11/14/13	NJ	Newark	Newark Liberty Intl	3/4603	9/18/13	GLS RWY 22R, Orig-B
11/14/13	NJ	Newark	Newark Liberty Intl	3/4604	9/18/13	VOR/DME RWY 22R, Amdt 4C
11/14/13	NJ	Newark	Newark Liberty Intl	3/4605	9/18/13	COPTER ILS OR LOC/DME RWY 4L, Amdt 1D
11/14/13	NJ	Newark	Newark Liberty Intl	3/4606	9/18/13	VOR RWY 11, Amdt 2C

11/14/13	NJ	Newark	Newark Liberty Intl	3/4608	9/18/13	GLS RWY 22L, Orig-B
11/14/13	MD	Cumberland	Greater Cumberland Rgnl	3/5222	9/18/13	LOC/DME RWY 23, Amdt 6A
11/14/13	MI	Ann Arbor	Ann Arbor Muni	3/8420	9/18/13	VOR RWY 24, Amdt 13C
11/14/13	MI	Ann Arbor	Ann Arbor Muni	3/8421	9/18/13	RNAV (GPS) RWY 24, Amdt 2

AIRAC Date: 14 NOVEMBER 2013

FDC **3/0372** MTV FI/P IAP BLUE RIDGE, MARTINSVILLE, VA. RNAV (GPS) RWY 30, AMDT 2... LNAV MDA VIS CAT A/B 1. CHANGE INOPERATIVE TABLE NOTE TO READ: INOPERATIVE TABLE DOES NOT APPLY. THIS IS RNAV (GPS) RWY 30, AMDT 2A.

FDC **3/0373** MTV FI/P IAP BLUE RIDGE, MARTINSVILLE, VA. LOC RWY 30, AMDT 1B... S-30 VIS CAT A/B 1. HOMGU FIX MINIMUMS S-30 VIS CAT A/B 1. CHANGE INOPERATIVE TABLE NOTE TO READ: INOPERATIVE TABLE DOES NOT APPLY. THIS IS LOC RWY 30, AMDT 1C.

FDC **3/0755** SJC FI/P IAP NORMAN Y. MINETA SAN JOSE INTL, SAN JOSE, CA. RNAV (GPS) RWY 11, ORIG-B... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OSI VORTAC ON T261 SOUTHWEST BOUND. THIS IS RNAV (GPS) RWY 11, ORIG-C.

FDC **3/0757** SJC FI/P IAP NORMAN Y. MINETA SAN JOSE INTL, SAN JOSE, CA. RNAV (GPS) RWY 29, ORIG-C... CHART NOTE: RWY 29 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED. DELETE VDP. 34:1 IS NOT CLEAR. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LICKE ON V485 SOUTHEAST BOUND. THIS IS RNAV (GPS) RWY 29, ORIG-D.

FDC **3/1090** CZT FI/P IAP DIMMIT COUNTY, CARRIZO SPRINGS, TX. NDB RWY 31, AMDT 3A... CIRCLING CAT C MDA 1500/HAA 901, VISIBILITY 2 3/4. CHART NOTE: RWY 31 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED. CHART CIRCLING ICON. CHART COTULLA ASOS. THIS IS NDB RWY 31, AMDT 3B.

FDC **3/2382** MWC PART 1 OF 2 FI/P ODP LAWRENCE J TIMMERMAN, MILWAUKEE, WI. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1A... TAKEOFF OBSTACLE NOTES: CHANGE NOTE RWY 15L TO READ: VEHICLES ON ROAD BEGINNING 628 FT FROM DER, 186 FT LEFT OF CENTERLINE UP TO 31 FT AGL 780 FT MSL. POLE 1549 FT FROM DER, 462 FT RIGHT OF CENTERLINE, 41 FT AGL/796 FT MSL. POLES AND LIGHTS BEGINNING 958 FT FROM DER, 281 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/801 FT MSL. LIGHTS BEGINNING 1421 FT FROM DER, 512 FT RIGHT OF CENTERLINE, UP TO 42 FT AGL/797 FT MSL. ANTENNA ON BLDG 437 FT FROM DER, 264 FT LEFT OF CENTERLINE, 12 FT AGL/756 FT MSL. BILLBOARD 816 FT FROM DER, 297 FT LEFT OF CENTERLINE, 31 FT AGL/775 FT MSL. TREES BEGINNING 487 FT FROM DER, 397 FT LEFT OF CENTERLINE, UP TO 67 FT AGL/817 FT MSL. TREES BEGINNING 1203 FT FROM DER, 247 FT LEFT OF CENTERLINE, UP TO 85 FT AGL/835 FT MSL. TREES BEGINNING 583 FT FROM DER, 165 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/791 FT MSL. TREES BEGINNING 1186 FT FROM DER, 184 FT RIGHT OF CENTERLINE, UP TO 76 FT AGL/831 FT MSL. TREES BEGINNING 2297 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 86 FT AGL/841 FT MSL. ALL OTHER DATA REMAINS AS PUBLISHED. END PART 1 OF 2

FDC **3/2382** MWC PART 2 OF 2 FI/P ODP LAWRENCE J TIMMERMAN, MILWAUKEE, WI. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES , AMDT 1B. END PART 2 OF 2

FDC **3/2539** PTB FI/P IAP DINWIDDIE COUNTY, PETERSBURG, VA. VOR RWY 23, AMDT 6A... CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGE CIRCLING NOTE TO READ: CIRCLING TO RWY 14/32 NA AT NIGHT. THIS IS VOR RWY 23, AMDT 6B.

FDC **3/2540** PTB FI/P IAP DINWIDDIE COUNTY, PETERSBURG, VA. LOC/NDB RWY 5, ORIG... S-5 VIS CAT A/B 1. CHANGE INOPERATIVE TABLE NOTE TO READ: INOPERATIVE TABLE DOES NOT APPLY. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS LOC/NDB RWY 5, ORIG-A.

FDC **3/2541** PTB FI/P IAP DINWIDDIE COUNTY, PETERSBURG, VA. RNAV (GPS) RWY 5, AMDT 1A... LNAV MDA VIS CAT A/B 1. CHANGE INOPERATIVE TABLE NOTE TO READ: INOPERATIVE TABLE DOES NOT APPLY. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGE CIRCLING NOTE TO READ: CIRCLING TO RWY 14/32 NA AT NIGHT. THIS IS RNAV (GPS) RWY 5, AMDT 1B.

FDC **3/2542** PTB FI/P IAP DINWIDDIE COUNTY, PETERSBURG, VA. RNAV (GPS) RWY 23, AMDT 1A... CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGE CIRCLING NOTE TO READ: CIRCLING TO RWY 14/32 NA AT NIGHT. THIS IS RNAV (GPS) RWY 23, AMDT 1B.

FDC **3/2732** BEH FI/P IAP SOUTHWEST MICHIGAN RGNL, BENTON HARBOR, MI. NDB RWY 28, AMDT 10A... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-28 CATS A AND B. ADD NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. ADD PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS NDB RWY 28, AMDT 10B.

FDC **3/2733** BQP FI/P ODP MOREHOUSE MEMORIAL, BASTROP, LA. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... NOTE: RWY 34, TREE 394 FEET RIGHT OF DER, 53 FT AGL/218 FT MSL. TREES BEGINNING 2627 FT FROM DER, 119 FT LEFT OF CENTERLINE, UP TO 123 FT AGL/248 FT MSL. NOTE: RWY 16, TREES BEGINNING 1033 FT FROM DER, 591 FT RIGHT OF CENTERLINE, UP TO 90 FT AGL/247 FT MSL. TREES BEGINNING 152 FT FROM DER, 402 FT LEFT OF CENTERLINE, UP TO 90 FT AGL/256 FT MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A.

FDC **3/4591** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ. ILS OR LOC RWY 11, AMDT 2B... MSA FROM TEB VOR/DME 3000. THIS IS ILS OR LOC RWY 11, AMDT 2C.

FDC **3/4592** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ ILS OR LOC RWY 4L AMDT 14... ILS RWY 4L (SA CAT I & II) AMDT 14... MSA FROM TEB VOR/DME 3000. THIS IS ILS OR LOC RWY 4L AMDT 14A THIS IS ILS RWY 4L (SA CAT I & II) AMDT 14A

FDC **3/4593** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ ILS OR LOC RWY 4R AMDT 12C... ILS RWY 4R (CAT II & III) AMDT 12C... MSA FROM TEB VOR/DME 3000. THIS IS ILS OR LOC RWY 4R AMDT 12D THIS IS ILS RWY 4R (CAT II & III) AMDT 12D

FDC **3/4594** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ ILS OR LOC RWY 22L AMDT 13... ILS RWY 22L (SA CAT I) AMDT 13... ILS RWY 22L (CAT II & III) AMDT 13... MSA FROM TEB VOR/DME 3000. THIS IS ILS OR LOC RWY 22L AMDT 13A THIS IS ILS RWY 22L (SA CAT I) AMDT 13A THIS IS ILS RWY 22L (CAT II & III) AMDT 13A

FDC **3/4595** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ. COPTER ILS/DME RWY 22L, ORIG-A... MSA FROM TEB VOR/DME 3000. THIS IS COPTER ILS/DME RWY 22L, ORIG-B.

FDC **3/4598** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ. ILS OR LOC RWY 22R, AMDT 5B... MSA FROM TEB VOR/DME 3000. THIS IS ILS OR LOC RWY 22R, AMDT 5C.

FDC **3/4599** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ. GLS RWY 4L, ORIG-C... MSA FROM RW04L 3000. THIS IS GLS RWY 4L, ORIG-D.

FDC **3/4600** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ. GLS RWY 4R, ORIG-B... MSA FROM RW04R 3000. THIS IS GLS RWY 4R, ORIG-C.

FDC **3/4601** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ. GLS RWY 11, ORIG-A... MSA FROM RW11 3000. THIS IS GLS RWY 11, ORIG-B.

FDC **3/4602** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ. VOR/DME RWY 22L, ORIG-C... MSA FROM TEB VOR/DME 3000. THIS IS VOR/DME RWY 22L, ORIG-D.

FDC **3/4603** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ. GLS RWY 22R, ORIG-B... MSA FROM RW22R 3000. THIS IS GLS RWY 22R, ORIG-C.

FDC **3/4604** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ. VOR/DME RWY 22R, AMDT 4C... MSA FROM TEB VOR/DME 3000. THIS IS VOR/DME RWY 22R, AMDT 4D.

FDC **3/4605** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ. COPTER ILS OR LOC/DME RWY 4L, AMDT 1D... MSA FROM TEB VOR/DME 3000. THIS IS COPTER ILS OR LOC/DME RWY 4L, AMDT 1E.

FDC **3/4606** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ. VOR RWY 11, AMDT 2C... MSA FROM TEB VOR/DME 3000. THIS IS VOR RWY 11, AMDT 2D.

FDC **3/4608** EWR FI/P IAP NEWARK LIBERTY INTL, NEWARK, NJ. GLS RWY 22L, ORIG-B... MSA FROM RW22L 3000. THIS IS GLS RWY 22L, ORIG-C.

FDC **3/5222** CBE FI/P IAP GREATER CUMBERLAND RGNL, CUMBERLAND, MD. LOC/DME RWY 23, AMDT 6A... CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHANGE MISSED APPROACH TO READ: CLIMBING LEFT TURN TO 5000 ON HEADING 214 AND GRV VOR/DME R-130 TO KEYER INT/GRV 18.1 DME AND HOLD, CONTINUE CLIMB IN HOLD TO 5000. THIS IS LOC/DME RWY 23, AMDT 6B.

FDC **3/8420** ARB FI/P IAP ANN ARBOR MUNI, ANN ARBOR, MI. VOR RWY 24, AMDT 13C... CHART NOTE: RWY 24 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. CHANGE NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR RWY 24, AMDT 13D.

FDC **3/8421** ARB FI/P IAP ANN ARBOR MUNI, ANN ARBOR, MI. RNAV (GPS) RWY 24, AMDT 2... CHART NOTE: RWY 24 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. CHANGE NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 24, AMDT 2A.