U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 14-21 **August 29, 2014**

**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.

The following procedures, previously published in TL 14-20, effective September 18, 2014, have been rescinded in their entirety.

Conway, AR, Cantrell Field, RNAV (GPS) RWY 4, Orig
Conway, AR, Cantrell Field, RNAV (GPS) RWY 22, Orig
Conway, AR, Cantrell Field, Takeoff Minimums and Obstacle DP, Orig

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30977; Amdt. No. 3607]

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 AUGUST 29, 2014.

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 13 NOVEMBER 2014

Klawock, AK, Klawock, RNAV (GPS) RWY 2, Orig-C
Petaluma, CA, Petaluma Muni, Takeoff Minimums and Obstacle DP, Amdt 2
Ukiah, CA, Ukiah Muni, Takeoff Minimums and Obstacle DP, Amdt 2
St Petersburg, FL, Albert Whitted, VOR RWY 18, Amdt 9
Tampa, FL, Peter O Knight, NDB RWY 4, Amdt 12A, CANCELED
Sandersville, GA, Kaolin Field, NDB RWY 13, Amdt 1, CANCELED
Mapleton, IA, James G. Whiting Memorial Field, NDB RWY 20, Amdt 5, CANCELED
Marshalltown, IA, Marshalltown Muni, RNAV (GPS) RWY 13, Amdt 1
Marshalltown, IA, Marshalltown Muni, RNAV (GPS) RWY 31, Amdt 1
Muscatine, IA, Muscatine Muni, RNAV (GPS) RWY 12, Orig
Muscatine, IA, Muscatine Muni, RNAV (GPS) RWY 30, Orig
Washington, IN, Daviess County, RNAV (GPS) RWY 18, Amdt 1
Frankfort, KY, Capital City, RNAV (GPS) RWY 25, Amdt 3
Bois Blanc Island, MI, Bois Blanc Island, RNAV (GPS) RWY 10, Orig
Bois Blanc Island, MI, Bois Blanc Island, RNAV (GPS) RWY 28, Orig
Bois Blanc Island, MI, Bois Blanc Island, Takeoff Minimums and Obstacle DP, Orig
Flint, MI, Bishop Intl, RNAV (GPS) RWY 18, Amdt 1A
Sparta, MI, Paul C. Miller-Sparta, VOR-A, Amdt 4A
Baker, MT, Baker Muni, GPS RWY 31, Orig-B, CANCELED
Baker, MT, Baker Muni, NDB RWY 13, Orig-C
Baker, MT, Baker Muni, NDB RWY 31, Orig-C
Baker, MT, Baker Muni, RNAV (GPS) RWY 31, Orig
Baker, MT, Baker Muni, Takeoff Minimums and Obstacle DP, Amdt 1
Kinston, NC, Kinston Rgnl Jetport at Stallings Fld, ILS OR LOC RWY 5, Amdt 12
Winston Salem, NC, Smith Reynolds, RNAV (GPS) RWY 15, Amdt 1A
Lexington, NE, Jim Kelly Field, VOR RWY 14, Amdt 4, CANCELED
Akron, OH, Akron Fulton Intl, NDB RWY 25, Amdt 14
Akron, OH, Akron Fulton Intl, RNAV (GPS) RWY 25, Orig
Akron, OH, Akron Fulton Intl, Takeoff Minimums and Obstacle DP, Amdt 2
Cleveland, OH, Cuyahoga County, LOC/DME BC RWY 6, Amdt 13
Columbus, OH, Port Columbus Intl, ILS OR LOC RWY 28R, Amdt 4A
Columbus, OH, Port Columbus Intl, RNAV (GPS) Y RWY 28R, Amdt 2A
Fremont, OH, Sandusky County Rgnl, RNAV (GPS) RWY 24, Amdt 1
Fremont, OH, Sandusky County Rgnl, VOR/DME RWY 24, Amdt 1, CANCELED
Astoria, OR, Astoria Rgnl, ILS RWY 26, Amdt 3
Connellsville, PA, Joseph A. Hardy Connellsville, RNAV (GPS) RWY 5, Orig-A
Indiana, PA, Indiana County/Jimmy Stewart Fld/, GPS RWY 28, Amdt 1, CANCELED
Indiana, PA, Indiana County/Jimmy Stewart Fld/, LOC RWY 28, Orig-B, CANCELED
Hohenwald, TN, John A Baker Fld, NDB RWY 2, Orig-B, CANCELED
Abingdon, VA, Virginia Highlands, LOC RWY 24, Amdt 5
Orange, VA, Orange County, GPS RWY 8, Orig-C, CANCELED
Phillips, WI, Price County, RNAV (GPS) RWY 1, Orig-B

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UDENE	EXOFY (FB)	201.82 / 10.66	4800
EXOFY	BOHBI (FO)	203.98 / 11.80	4500
BOHBI (IF/IAF)	SYGGR (FB)	023.78 / 4.80	3300
SYGGR (FAF)	ZIDHI/3.70 NM TO EXOFY (FB)	023.86 / 3.30	
ZIDHI/3.70 NM TO EXOFY	EXOFY (MAP) (FO)	023.86 / 3.70	
EXOFY (MAP)	480 MSL	023.86	
480 MSL	BOHBI (FO)		4200

MISSED APPROACH

LNAV: EXOFY
LP: EXOFY

CLIMBING LEFT TURN TO 4200 DIRECT BOHBI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4200. (DO NOT EXCEED 210 KIAS).

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW BOHBI, RT, 023.78 INBOUND, 3800 FT. IN LIEU OF PT (IAF)
3. FAC: 023.86 FAF: SYGGR DIST FAF TO MAP: 7.00 THLD: 8.20
4. MIN. ALT: BOHBI 3800, SYGGR 3300, ZIDHI/3.70 NM TO EXOFY 1980
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: EXOFY 5200

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 878 TREE 553307N/1330847W
FAS OBST: 399 AAO 553148N/1330828W
WAAS CHANNEL # 58032
REFERENCE PATH ID: W02A
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 4.74 DEGREES.
CHART CIRCLING ICON.
LTP HAE: 8.3 M

MAG VAR: 20E 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
LP MDA	1140	1 1/2	1083	1140	1 1/2	1083	1140	3	1083		NA				
LNAV MDA	1560	1 1/2	1503	1560	1 1/2	1503	1560	3	1503		NA				
CIRCLING	1560	1 1/2	1480	1560	1 1/2	1480	1560	3	1480		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: DESCENT ANGLE NA
CHART NOTE: CIRCLING NA EAST OF RWY 02-20.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED PROCEDURE NA.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

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

QUALITY CHECKED

CITY AND STATE	ELEVATION: 80 TDZE: 57 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
KLAWOCK, AK	KLAWOCK	RNAV	RNAV (GPS) RWY 2, ORIG-C 13 NOVEMBER 2014	AMDT: ORIG-B DATED 04/03/2014

Bearings, headings, courses, and radials are magnetic. Elevations 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	PAKW
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	553426.1200N
LTP/FTP LONGITUDE	1330501.0400W
LTP/FTP ELLIPSOIDAL HEIGHT	+00083
FPAP LATITUDE	553530.0790N
FPAP LONGITUDE	1330311.9615W
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	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	CC4A1631

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00119
FPAP ORTHOMETRIC HEIGHT	+00119

QUALITY 9 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)

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                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANEAENRT   BOHBI PA0    W     N55250508W133205180                      E0194     NAR           BOHBI
        SCANEAENRT   EXOFY PA0    W     N55333442W133062912                      E0194     NAR           EXOFY
        SCANEAENRT   SYGGR PA0    W     N55283247W133150162                      E0194     NAR           SYGGR
        SCANEAENRT   UDENE PA0    C   B N55413061W132535842                      E0194     NAR           UDENE
        SCANEAENRT   ZIDHI PA0    W     N55305489W133110028                      E0194     NAR           ZIDHI

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PAKWPAAAKW      0     050YHN55344524W133043359E020000080          1800018000C    MNAR    KLAWOCK

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PAKWPAFR02   AUDENE 010UDENEPAEA0E       IF                                                18000              A JS
        SCANP PAKWPAFR02   AUDENE 020EXOFYPAEA0E    020TF                    20180107    + 04800                           A JS
        SCANP PAKWPAFR02   AUDENE 030BOHBIPAEA0EY   020TF                    20400118    + 04500                           A JS
        SCANP PAKWPAFR02   AUDENE 040BOHBIPAEA0EE AR   HF                    02380040    + 03800                           A JS
        SCANP PAKWPAFR02   R      010BOHBIPAEA0E   I    IF                               + 03800    18000                  A JS
        SCANP PAKWPAFR02   R      020SYGGRPAEA1E   F 051TF                    02380048    + 03300              EXOFY PAEAA JS
        SCANP PAKWPAFR02   R      020SYGGRPAEA2WALP        N          ALNAV                                                JS
        SCANP PAKWPAFR02   R      021ZIDHIPAEA0E S  031TF                    02390033    + 01980                           A JS
        SCANP PAKWPAFR02   R      030EXOFYPAEA0EY M 031TF                    02390037      00039          000              A JS
        SCANP PAKWPAFR02   R      040         0  M     CA                    0239        + 00480                           A JS
        SCANP PAKWPAFR02   R      050BOHBIPAEA0EY  L   DF                               + 04200        210                A-JS
        SCANP PAKWPAFR02   R      060BOHBIPAEA0EE  R   HM                    02380040    + 04200                           A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PAKWPAGRW02    0050000191 N55342612W133050104+0800    +00083000390000001OOR

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANP PAKWPAPR02   RW02 001 0000W02A0N5534261200W13305010400+000830000N5535300790W133031196151067500000000000F400000CC4A1631
        SCANP PAKWPAPR02   RW02 002E      +00119+00119LP        58032

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
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CITY AND STATE	ELEVATION: 80 TDZE: 57	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KLAWOCK, AK	AIRPORT NAME: KLAWOCK	RNAV	RNAV (GPS) RWY 2, ORIG-C 13 NOVEMBER 2014	AMDT: ORIG-B DATED: 04/03/2014

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

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SCANP PAKWPASEXOFYPAEA          0   18018005225                                    M
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CITY AND STATE	ELEVATION: 80 TDZE: 57	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KLAWOCK, AK	AIRPORT NAME: KLAWOCK	RNAV	RNAV (GPS) RWY 2, ORIG-C 13 NOVEMBER 2014	AMDT: ORIG-B DATED: 04/03/2014

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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
	UDENE	UDENE	010		IF		FB					
	UDENE	EXOFY	020		TF		FB	2.0	201.8(221.8T)	010.7	AA 04800	
	UDENE	BOHBI	030		TF		FO	2.0	204.0(224.0T)	011.8	AA 04500	
	UDENE	BOHBI	040	IAF	HF	R	FO		023.8(043.8T)	004.0	AA 03800	
		BOHBI	010	FACF	IF		FB				AA 03800	
		SYGGR	020	FAF	TF		FB	0.5	023.8(043.8T)	004.8	AA 03300	
		ZIDHI	021	SDF	TF		FB	0.3	023.9(043.9T)	003.3	AA 01980	
		EXOFY	030	MAP	TF		FO	0.3	023.9(043.9T)	003.7	AT 00039	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		023.9(043.9T)		AA 00480	
	BOHBI	050		DF	L	FO				AA 04200	AB 210
	BOHBI	060		HM	R	FO		023.8(043.8T)	004.0	AA 04200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BOHBI	N552505.08	W1332051.80	N5525.085	W13320.863
	EXOFY	N553334.42	W1330629.12	N5533.574	W13306.485
	SYGGR	N552832.47	W1331501.62	N5528.541	W13315.027
	UDENE	N554130.61	W1325358.42	N5541.510	W13253.974
	ZIDHI	N553054.89	W1331100.28	N5530.915	W13311.005
	RW02	N553426.12	W1330501.04	N5534.435	W13305.017

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW02	00039	00

CITY AND STATE	ELEVATION: 80	TDZE: 57	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KLAWOCK, AK	AIRPORT NAME: KLAWOCK		RNAV	RNAV (GPS) RWY 2, ORIG-C 13 NOVEMBER 2014	AMDT: ORIG-B DATED: 04/03/2014

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.
PETALUMA, CA	PETALUMA MUNI	13 NOVEMBER 2014	2

TAKEOFF MINIMUMS:

RWY 11, STANDARD WITH MINIMUM CLIMB OF 235 FEET PER NM TO 1500.
RWY 29, 300-1 ¼ OR STANDARD WITH MINIMUM CLIMB OF 276 FEET PER NM TO 400.

TEXTUAL DEPARTURE PROCEDURES:

RWY 11, CLIMB HEADING 108.45 TO 1500 THEN CONTINUE CLIMB DIRECT SGD VORTAC.
RWY 29, CLIMB HEADING 289.46 TO 1500 THEN CLIMBING LEFT TURN TO 3000 DIRECT SGD VORTAC.
ALL AIRCRAFT CONTINUE CLIMB TO MEA FOR ROUTE OF FLIGHT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 11, TREE 1095 FEET FROM DER, 779 FEET RIGHT OF CENTERLINE, 55 FEET AGL/ 116 FEET MSL. SIGN 69 FEET FROM DER, 141 FEET RIGHT OF CENTERLINE, 9 FEET AGL/80 FEET MSL. VERTICAL STRUCTURE 8 FEET FROM DER, 248 FEET LEFT OF CENTERLINE, 10 FEET AGL/81 FEET MSL. TREES 172 FEET FROM DER, BEGINNING 399 FEET LEFT OF CENTERLINE, UP TO 46 FEET AGL/ 117 FEET MSL. TREES 40 FEET FROM DER, BEGINNING 465 FEET LEFT OF CENTERLINE, UP TO 40 FEET AGL/ 111 FEET MSL.

RWY 29, TREES 1091 FEET FROM DER, BEGINNING 151 FEET RIGHT OF CENTERLINE, UP TO 91 FEET AGL/ 172 FEET MSL. VERTICAL STRUCTURE 194 FEET FROM DER, 248 FEET RIGHT OF CENTERLINE, UP TO 19 FEET AGL/ 98 FEET MSL. TREES 121 FEET FROM DER, BEGINNING 282 FEET RIGHT OF CENTERLINE, UP TO 51 FEET AGL/ 132 FEET MSL. TREES AND BUILDINGS 88 FEET FROM DER, BEGINNING 292 FEET LEFT OF CENTERLINE, UP TO 40 FEET AGL/ 121 FEET MSL. TREES 1363 FEET FROM DER, 462 FEET LEFT OF CENTERLINE, UP TO 96 FEET AGL/ 177 FEET MSL. POLE 1262 FEET FROM DER, 90 FEET LEFT OF CENTERLINE, 41 FEET MSL/ 122 FEET AGL. POLES 2508 FEET FROM DER, BEGINNING 87 FEET LEFT OF CENTERLINE, UP TO 94 FEET AGL/175 FEET MSL.

CONTROLLING OBSTACLES:

RWY 11: 1116 FEET MSL AAO, 381245.33N/1222909.66W
RWY 29: 283 FEET MSL TREE, 381625.46N/1223720.61W

REMARKS:

QUALITY 4 CHECKED

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.
PETALUMA, CA	PETALUMA MUNI	13 NOVEMBER 2014	2

FLIGHT INSPECTED BY:

JAMES M MEEK — *Digitally signed by* ***LONNIE EVERHART*** FICO — Aug 16, 2014 — 08/08/14

DEVELOPED BY:

KISSY MAXFIELD — *Digitally signed by* ***LONNIE EVERHART*** AJV-354 — Aug 16, 2014 — 06/16/2014

APPROVED BY:

JILL OLSON — *Digitally signed by* ***LONNIE EVERHART*** AJV-354 — Aug 16, 2014

REQUIRED EFFECTIVE DATE:

COORDINATED WITH:

ALPA, AOPA, NBAA, ZJX, APT MNGR

CHANGES:

1. ADDED CLIMB GRADIENT AND CLIMB TO ALTITUDE TO RWY 11 AND 29.
2. UPDATED TAKEOFF OBSTACLE NOTES.
3. UPDATED TAKEOFF OBSTACLES.
4. RWY 11 CHANGED DEPARTURE PROCEDURE FROM CLIMB TO 2400 OR ABOVE TO CLIMB AT OR ABOVE 2400.
5. ADDED A CLIMB HEADING TO RWY 11 AND 29.

REASONS:

1. NEW CONTROLLING OBSTACLES CAUSING CLIMB GRADIENTS AND CLIMB TO ALTITUDES.
2, 3. NEW SURVEY DATED 07/13/2012.
4.IAW 8260.46D, APPENDIX A, PARAGRAPH 1K (4).
5. IAW 5260.46D, CHAPTER 2, PARAGRAPH 2-1 G (3).

QUALITY 4 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.
UKIAH, CA	UKIAH MUNI	13 NOVEMBER 2014	2

TAKEOFF MINIMUMS:

RWY 15: STANDARD WITH MINIMUM CLIMB OF 678 FT PER NM TO 3100 OR 3100-2 ½ FOR CLIMB IN VISUAL CONDITIONS.
RWY 33: STANDARD WITH MINIMUM CLIMB OF 350 FT PER NM TO 5000 OR 3100-2 ½ FOR CLIMB IN VISUAL CONDITIONS

TEXTUAL DEPARTURE PROCEDURES:

RWY 15: CLIMB HEADING 151.33 TO 3100 BEFORE PROCEEDING ON COURSE.
RWY 33: CLIMB HEADING 345.33 TO 5000, THEN LEFT TURN DIRECT TO CROSS ENI VORTAC AT OR ABOVE 6000.

VISUAL CLIMB OVER AIRPORT:

RWY 15: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS UKIAH MUNI AIRPORT AT OR ABOVE 3700 BEFORE PROCEEDING ON COURSE.
RWY 33: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS UKIAH MUNI AIRPORT AT OR ABOVE 3700 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 15, BUILDINGS AND SIGNS BEGINNING 34 FT FROM DER, 493 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/629 FT MSL. ROAD WITH VEHICLES BEGINNING 70 FT FROM DER, 245 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/624 FT MSL. ROAD WITH VEHICLES BEGINNING 111 FT FROM DER, 256 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/629 FT MSL. POLES AND TREES BEGINNING 275 FT FROM DER, 357 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/712 FT MSL. TREES AND POLES BEGINNING 527 FT FROM DER, 452 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/698 FT MSL. TREES BEGINNING 1.2 NM FROM DER, 2023 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1073 FT MSL. TREES BEGINNING 1.5 NM FROM DER, 1715 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1160 FT MSL. TREES BEGINNING 2.4 NM FROM DER, 77 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1644 FT MSL. TREES BEGINNING 3.5 NM FROM DER, 2704 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/2331 FT MSL.
NOTE: RWY 33, POLES AND TREES BEGINNING 27 FT FROM DER, 391 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/679 FT MSL. ROAD WITH VEHICLES BEGINNING 124 FT FROM DER, 147 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/629 FT MSL. TREES AND POLES BEGINNING 461 FT FROM DER, 555 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/679 FT MSL. ROAD WITH VEHICLES BEGINNING 587 FT FROM DER, 313 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/637 FT MSL. TREES, POLES AND SIGNS BEGINNING 888 FT FROM DER, 506 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/709 FT MSL. BLDG 1003 FT FROM DER, 553 FT RIGHT OF CENTERLINE, 42 FT AGL/649 FT MSL. TOWER 5774 FT FROM DER, 1155 FT LEFT OF CENTERLINE, 124 FT AGL/770 FT MSL. TREES BEGINNING 5909 FT FROM DER, 1590 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/769 FT MSL.

CONTROLLING OBSTACLES:

RWY 15: 2431 FT MSL AAO 390339.00N/1231136.00W.
RWY 33: 3390 FT MSL TOWER 391922.48N-1231623.70W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 15: 4131 FT MSL AAO 390948.00N/1230306.00W.
RWY 33 - 3390 FT MSL TOWER 391922.48N-1231623.70W, 4131 FT MSL AAO 390948.00N/1230306.00W.

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
UKIAH, CA	UKIAH MUNI	13 NOVEMBER 2014	2

REMARKS:

FLIGHT INSPECTED BY:

Roy Turner 7-2-14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

SHANE DOWNUM AJV-354 12/10/2013

APPROVED BY:

LARRY STROUT AJV-354 7.8.14

AUG 15 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZOA, UKI AMGR

CHANGES:

1. ADDED TAKEOFF MINIMUMS, TEXTUAL DEPARTURE AND VCOA PROCEDURES FOR RWY 15.
2. UPDATED TAKEOFF MINIMUMS TEXTUAL DEPARTURE FOR RWY 33 FROM HEADING FROM 350 TO 4000; TO 345.33 TO 5000 AND ADDED VCOA OPTION.
3. ADDED RWY 15 TAKEOFF OBSTACLE NOTES, UPDATED RWY 33 OBSTACLE NOTES.
4. ADDED RWY 15 CONTROLLING OBSTACLE AND UPDATED RWY 33 CONTROLLING OBSTACLES.

REASONS:

1. PROVIDING A DEPARTURE METHOD FOR RWY 15 IN CONJUNCTION WITH NEW RNAV SIDS.
2. UPDATED HEADING TO LESS THAN 15 DEG OFF CENTER TO MAINTAIN STRAIGHT OUT CRITERIA AND ADDED VCOA OPTION FOR AIRCRAFT UNABLE TO COMPLY WITH THE CLIMB GRADIENT.
3. ADDED DEPARTURE FROM RWY 15 AND DOCUMENTED ICA LOW CLOSE IN OBSTACLES FOR EACH RUNWAY.
4. UPDATED DEPARTURE OBSTACLE EVALUATION.

03/19/14: This is an UPDATED copy of the form developed on 12/10/13.
1. USED UPDATED 8260-15A FORM IAW WITH 8260.46D CHANGE 3.
2. MOVED VCOA DATA FROM TEXTUAL DEPARTURE PROCEDURES TO VISUAL CLIMB OVER AIRPORT.
3. UPDATED RWY 15: TAKEOFF MINIMUMS/TEXTUAL DEPARTURE PROCEDURES CLIMB TO ALTITUDE CHANGED FROM 3700 TO 3100 TO MATCH THE RWY 15 SID RYPAX RNAV ONE DEPARTURE PREVIOUSLY FLIGHT CHECKED ON 3/17/14, REQUIRES TABLE TOP FLIGHT CHECK.

QUALITY 2 CHECKED

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

MISSED APPROACH

MAP: 8.91 MILES AFTER PIE VORTAC OR AT JUSAB/8.91 DME FIX

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2700 DIRECT PIE VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 410 BLDG 274614N/0823809W
CHART VDP AT 7.46 DME
DISTANCE VDP TO THLD 1.45 MILES.
CHART CIRCLING ICON.
FAC CROSSES RWY C/L EXTENDED 10 FEET FROM THLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. **HOLD N PIE VORTAC, RT, 164.22 INBOUND, 2700 FT. IN LIEU OF PT (IAF)**
3. FAC **164.22** FAF **PIE VORTAC** DIST FAF TO MAP **8.91** THLD **8.91**
4. MIN. ALT **PIE VORTAC 2700, WUXUT/PIE 6.30 DME 820***
8. MSA FROM: **PIE VORTAC 2700**

MAG VAR: **5W** EPOCH YEAR:**2010**

MINIMUMS

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
S-18	820	1	814	820	1 1/4	814		NA			NA				
CIRCLING	820	1 1/4	813	820	1 1/4	813		NA			NA				
WUXUT FIX MINIMUMS (DME REQUIRED)															
S-18	660	1	654	660	1	654		NA			NA				
CIRCLING	720	1	713	720	1	713		NA			NA				

NOTES:

CHART NOTE: VDP NA WITH TAMPA INTL ALTIMETER SETTING.
CHART NOTE: NIGHT LANDING RWY 7, 36 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAMPA INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.
(SEE FORM 8260-10)

@ CAT A, B 900-2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALIFIED 7 CHECKED

CITY AND STATE	ELEVATION: 7 TDZE: 6 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
ST PETERSBURG, FL	**ALBERT WHITTED**	**PIE**	**VOR RWY 18, AMDT 9** 13 NOVEMBER 2014	AMDT **8**
				DATE **01/13/2011**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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 3/4 SM NOT AUTHORIZED.
CHART NOTE: * 860 WHEN USING TAMPA INTL ALTIMETER SETTING.
CHART PROFILE NOTE: DESCENT ANGLE NA.

CITY AND STATE	ELEVATION: 7 TDZE: 6	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ST PETERSBURG, FL	AIRPORT NAME: **ALBERT WHITTED**	**PIE**	**VOR RWY 18, AMDT 9** 13 NOVEMBER 2014	AMDT: **8**
				DATED: **01/13/2011**

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: 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 13 NOVEMBER 2014

QUALITY CHECKED

CITY AND STATE	ELEVATION: 8 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
TAMPA, FL	AIRPORT NAME: **PETER O KNIGHT**	**AMP**	**NDB RWY 4, AMDT 12A, 05/31/2012**	AMDT **12**
				DATE **01/13/2011**

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: 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 13 NOVEMBER 2014

QUALITY CHECKED 7

CITY AND STATE	ELEVATION: 438 TDZE: 430	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP	
SANDERSVILLE, GA	AIRPORT NAME: **KAOLIN FIELD**	**HIT**	NDB RWY 13, AMDT 1, 12/20/2007	AMDT	**ORIG**
				DATE	**12/25/2003**

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

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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 13 NOVEMBER 2014

QUALITY CHECK

CITY AND STATE	ELEVATION: 1116 THRE: 1116	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
MAPLETON, IA	AIRPORT NAME: **JAMES G. WHITING MEMORIAL FIELD**	**MEY**	**NDB RWY 20, AMDT 5, 04/05/2012**	AMDT **4**
				DATE **01/18/2007**

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

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BRIDY (IF/IAF)	ATAXE (FB)	125.93 / 5.96	2600
ATAXE (FAF)	IKUDY/1.90 NM TO RW13 (FB)	126.00 / 3.08	
IKUDY/1.90 NM TO RW13	RW13 (MAP) (FO)	126.00 / 1.90	
RW13 (MAP)	1224 MSL	126.00	
1224 MSL	VUNDY (FO)		2600

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

CLIMB TO 2600 DIRECT VUNDY AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW BRIDY, RT, 125.93 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
3. FAC: 126.00 FAF: ATAXE DIST FAF TO MAP: 4.97 THLD: 4.97
4. MIN. ALT: BRIDY 2700, ATAXE 2600, IKUDY/1.90 NM TO RW13 1620*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2600 GS ALT AT: ATAXE 2600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 41.8 34:1 IS CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 306.20 INBOUND.
CHART FAS OBST: 1052 TREE 420701N/0925457W
CHART: 1083 ELEVATOR 420824N/0925730W
DISTANCE TO THLD FROM 250 HATH: 0.65 NM.
CHART VDP AT 0.95 MILES TO RW13*
*LNAV ONLY.
WAAS CHANNEL # 50236
REFERENCE PATH ID: W13A
CHART CIRCLING ICON.
LTP HAE: 265.3 M

MAG VAR: 1E EPOCH YEAR: 2010

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1224	1	250	1224	1	250	1224	1	250	1224	1	250			
LNAV/VNAV DA	1224	1	250	1224	1	250	1224	1	250	1224	1	250			
LNAV MDA	1320	1	346	1320	1	346	1320	1	346	1320	1	346			
CIRCLING	1400	1	425	1440	1	465	1460	1 1/2	485	1840	2 3/4	865			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -26C (-14F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
(SEE FORM 8260-10)

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

CITY AND STATE	ELEVATION: 975 THRE: 974 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	MARSHALLTOWN MUNI	RNAV	RNAV (GPS) RWY 13, AMDT 1 13 NOVEMBER 2014	AMDT: ORIG DATED 09/23/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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: BARO-VNAV AND VDP NA WHEN USING GRINNELL ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRINNELL ALTIMETER SETTING AND INCREASE ALL DA 64 FT AND ALL MDA 80 FT; INCREASE LNAV CATS C/D AND CIRCLING CAT D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	036/30 CW 216/30 (NOPT)	036/10 CW 216/10	2800
	036/10 CW 216/10	BRIDY (IF/IAF) (FB)	2700
2.	216/30 CW 036/30	BRIDY (IF/IAF) (FO)	2700

CITY AND STATE	ELEVATION: 975 THRE: 974	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	AIRPORT NAME: MARSHALLTOWN MUNI	RNAV	RNAV (GPS) RWY 13, AMDT 1 13 NOVEMBER 2014	AMDT: ORIG
				DATED: 09/23/2010

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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CITY AND STATE	ELEVATION: 975 THRE: 974 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	MARSHALLTOWN MUNI	RNAV	RNAV (GPS) RWY 13, AMDT 1 13 NOVEMBER 2014	AMDT: ORIG DATED: 09/23/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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	KMIW
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	420701.2415N
LTP/FTP LONGITUDE	0925526.4835W
LTP/FTP ELLIPSOIDAL HEIGHT	+02653
FPAP LATITUDE	420607.5125N
FPAP LONGITUDE	0925350.9690W
THRESHOLD CROSSING HEIGHT (TCH)	00041.8
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	23763953

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02970
FPAP ORTHOMETRIC HEIGHT	+02970

ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   ATAXE K30    W     N42100103W093004671                    E0005     NAR           ATAXE
          SUSAEAENRT   BRIDY K30    W     N42133615W093071111                    E0006     NAR           BRIDY
          SUSAEAENRT   IKUDY K30    W     N42080982W092572852                    E0005     NAR           IKUDY
          SUSAEAENRT   VUNDY K30    W     N41595548W092425192                    E0003     NAR           VUNDY

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMIWK3AMIW     0     050YHN42064590W092550400E001000975         1800018000C    MNAR    MARSHALLTOWN MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMIWK3FR13   ABRIDY 010BRIDYK3EA0EE AR   HF                    12590040    + 02700     18000                A JS
          SUSAP KMIWK3FR13   R      010BRIDYK3EA0E  I    IF                                + 02700     18000                A JS
          SUSAP KMIWK3FR13   R      020ATAXEK3EA1E  F 051TF                    12590060    + 02600                          A JS
          SUSAP KMIWK3FR13   R      020ATAXEK3EA2WALPV       ALNAV/VNAV ALNAV                                               JS
          SUSAP KMIWK3FR13   R      021IKUDYK3EA0E S  031TF                    12600031    V 0162001621        -300         A JS
          SUSAP KMIWK3FR13   R      030RW13 K3PG0GY M 031TF                    12600019      01016             -300         A JS
          SUSAP KMIWK3FR13   R      040         0  M     CA                    1260        + 01224                          A JS
          SUSAP KMIWK3FR13   R      050VUNDYK3EA0EY      DF                              + 02600                          A JS
          SUSAP KMIWK3FR13   R      060VUNDYK3EA0EE  R   HM                    30620040    + 02600                          A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMIWK3GRW13    0050071261 N42070124W092552648-0100    +0265300974000042100R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMIWK3PR13   RW13 001 0000W13A0N4207012415W09255264835+026530300N4206075125W092535096901067512240004l8F40050023763953
          SUSAP KMIWK3PR13   RW13 002E      +02970+02970LPV       50236
```

CITY AND STATE	ELEVATION: 975 THRE: 974	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	AIRPORT NAME: MARSHALLTOWN MUNI	RNAV	RNAV (GPS) RWY 13, AMDT 1 13 NOVEMBER 2014	AMDT: ORIG DATED: 09/23/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BRIDY	BRIDY	010	IAF	HF	R	FO		125.9(126.9T)	004.0	AA 02700	
		BRIDY	010	FACF	IF		FB				AA 02700	
		ATAXE	020	FAF	TF		FB	0.5	125.9(126.9T)	006.0	AA 02600	
		IKUDY	021	SDF	TF		FB	0.3	126.0(127.0T)	003.1	AA 01620 GS 01621	
		RW13	030	MAP	TF		FO	0.3	126.0(127.0T)	001.9	AT 01016	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		126.0(127.0T)		AA 01224	
		VUNDY	050		DF		FO				AA 02600	
		VUNDY	060		HM	R	FO		306.2(307.2T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATAXE	N421001.03	W0930046.71	N4210.017	W09300.779
	BRIDY	N421336.15	W0930711.11	N4213.603	W09307.185
	IKUDY	N420809.82	W0925728.52	N4208.164	W09257.475
	VUNDY	N415955.48	W0924251.92	N4159.925	W09242.865
	RW13	N420701.24	W0925526.48	N4207.021	W09255.441

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	00974	42

CITY AND STATE	ELEVATION: **975** **THRE: 974**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	AIRPORT NAME: **MARSHALLTOWN MUNI**	**RNAV**	**RNAV (GPS) RWY 13, AMDT 1** 13 NOVEMBER 2014	AMDT: **ORIG**
				DATED: **09/23/2010**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
VUNDY (IF/IAF)	BEKFY (FB)	306.20 / 5.93	2600
BEKFY (FAF)	JIPTI/2.30 NM TO RW31 (FB)	306.13 / 2.70	
JIPTI/2.30 NM TO RW31	RW31 (MAP) (FO)	306.13 / 2.30	
RW31 (MAP)	1222 MSL	306.13	
1222 MSL	BRIDY (FO)		2700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 2700 DIRECT BRIDY AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE VUNDY, RT, 306.20 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 306.13 FAF: BEKFY DIST FAF TO MAP: 5.00 THLD: 5.00
4. MIN. ALT: VUNDY 2600, BEKFY 2600, JIPTI/2.30 NM TO RW31 1740*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2600 GS ALT AT: BEKFY 2600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 37.2 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 125.93 INBOUND.
CHART FAS OBST: 1059 TREE 420611N/0925421W
DISTANCE TO THLD FROM 250 HATH: 0.67 NM.
CHART VDP AT 0.97 MILES TO RW31*
*LNAV ONLY.
WAAS CHANNEL # 48936
REFERENCE PATH ID: W31A
CHART CIRCLING ICON
LTP HAE: 264.4 M

MAG VAR: 1E EPOCH YEAR: 2010

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1222	1	250	1222	1	250	1222	1	250	1222	1	250			
LNAV/VNAV DA	1222	1	250	1222	1	250	1222	1	250	1222	1	250			
LNAV MDA	1320	1	348	1320	1	348	1320	1	348	1320	1	348			
CIRCLING	1400	1	425	1440	1	465	1460	1 1/2	485	1840	2 3/4	865			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C (-7F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: BARO-VNAV AND VDP NA WITH GRINNELL ALTIMETER SETTING.
(SEE FORM 8260-10)

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

CITY AND STATE	ELEVATION: 975 THRE: 972 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	MARSHALLTOWN MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 13 NOVEMBER 2014	AMDT: ORIG DATED 09/23/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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 GRINNELL ALTIMETER SETTING AND INCREASE ALL DA 64 FT AND ALL MDA 80 FT; INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE AND LNAV CATS C/D AND CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

TAA

	FROM	TO	ALT
1.	216/30 CW 036/30 (NOPT)	216/15 CW 036/15	3500
	216/15 CW 036/15	VUNDY (IF/IAF) (FB)	2600
2.	036/30 CW 216/30	VUNDY (IF/IAF) (FO)	2700

CITY AND STATE	ELEVATION: 975 THRE: 972	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	AIRPORT NAME: MARSHALLTOWN MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 13 NOVEMBER 2014	AMDT: ORIG
				DATED: 09/23/2010

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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: 975 THRE: 972 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	MARSHALLTOWN MUNI	RNAV	RNAV (GPS) RWY 31, AMDT 1 13 NOVEMBER 2014	AMDT: ORIG DATED: 09/23/2010

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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	KMIW
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	420631.4285N
LTP/FTP LONGITUDE	0925433.4750W
LTP/FTP ELLIPSOIDAL HEIGHT	+02644
FPAP LATITUDE	420725.1485N
FPAP LONGITUDE	0925609.0090W
THRESHOLD CROSSING HEIGHT (TCH)	00037.2
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	074A4EE9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02961
FPAP ORTHOMETRIC HEIGHT	+02961

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BEKFY K30    W     N42033052W092491237                    E0004     NAR           BEKFY
        SUSAEAENRT   BRIDY K30    W     N42133615W093071111                    E0006     NAR           BRIDY
        SUSAEAENRT   JIPTI K30    W     N42050833W092520585                    E0004     NAR           JIPTI
        SUSAEAENRT   VUNDY K30    W     N41595548W092425192                    E0003     NAR           VUNDY

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMIWK3AMIW     0     050YHN42064590W092550400E001000975         1800018000C    MNAR    MARSHALLTOWN MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMIWK3FR31   AVUNDY 010VUNDYK3EA0EE AR   HF                    30620040    + 02600     18000                A JS
        SUSAP KMIWK3FR31   R      010VUNDYK3EA0E  I    IF                                + 02600     18000                A JS
        SUSAP KMIWK3FR31   R      020BEKFYK3EA1E  F 051TF                    30620059    + 02600                          A JS
        SUSAP KMIWK3FR31   R      020BEKFYK3EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KMIWK3FR31   R      021JIPTIK3EA0E S  031TF                    30610027    V 0174001741        -300         A JS
        SUSAP KMIWK3FR31   R      030RW31 K3PG0GY M 031TF                    30610023      01009             -300         A JS
        SUSAP KMIWK3FR31   R      040         0  M     CA                    3061        + 01222                          A JS
        SUSAP KMIWK3FR31   R      050BRIDYK3EA0EY       DF                              + 02700                          A JS
        SUSAP KMIWK3FR31   R      060BRIDYK3EA0EE  R   HM                    12590040    + 02700                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMIWK3GRW31    0050073061 N42063143W092543348+0100    +0264400972000037100R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMIWK3PR31   RW31 001 0000W31A0N4206314285W09254334750+026440300N4207251485W092560900901067512240003 72F400500074A4EE9
        SUSAP KMIWK3PR31   RW31 002E      +02961+02961LPV       48936
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CITY AND STATE	ELEVATION: 975 THRE: 972	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	AIRPORT NAME: **MARSHALLTOWN MUNI**	**RNAV**	**RNAV (GPS) RWY 31, AMDT 1** 13 NOVEMBER 2014	AMDT: **ORIG** DATED: **09/23/2010**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	VUNDY	VUNDY	010	IAF	HF	R	FO		306.2(307.2T)	004.0	AA 02600	
		VUNDY	010	FACF	IF		FB				AA 02600	
		BEKFY	020	FAF	TF		FB	0.5	306.2(307.2T)	005.9	AA 02600	
		JIPTI	021	SDF	TF		FB	0.3	306.1(307.1T)	002.7	AA 01740 GS 01741	
		RW31	030	MAP	TF		FO	0.3	306.1(307.1T)	002.3	AT 01009	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		306.1(307.1T)		AA 01222	
		BRIDY	050		DF		FO				AA 02700	
		BRIDY	060		HM	R	FO		125.9(126.9T)	004.0	AA 02700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BEKFY	N420330.52	W0924912.37	N4203.509	W09249.206
	BRIDY	N421336.15	W0930711.11	N4213.603	W09307.185
	JIPTI	N420508.33	W0925205.85	N4205.139	W09252.098
	VUNDY	N415955.48	W0924251.92	N4159.925	W09242.865
	RW31	N420631.43	W0925433.48	N4206.524	W09254.558

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	00972	37

CITY AND STATE	ELEVATION: **975** THRE: **972**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MARSHALLTOWN, IA	AIRPORT NAME: **MARSHALLTOWN MUNI**	**RNAV**	**RNAV (GPS) RWY 31, AMDT 1** 13 NOVEMBER 2014	AMDT: **ORIG**
				DATED: **09/23/2010**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
YEBTY (IF/IAF)	ZAVJO (FB)	125.94 / 6.00	2200
ZAVJO (FAF)	IXOBE/2.30 NM TO RW12 (FB)	126.01 / 2.79	
IXOBE/2.30 NM TO RW12	RW12 (MAP) (FO)	126.01 / 2.30	
RW12 (MAP)	947 MSL	126.01	
947 MSL	HOVRA (FO)		2700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW12

CLIMB TO 2700 DIRECT HOVRA AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW YEBTY, RT, 125.94 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 126.01 FAF: ZAVJO DIST FAF TO MAP: 5.09 THLD: 5.09
4. MIN. ALT: YEBTY 2600, ZAVJO 2200, IXOBE/2.30 NM TO RW12 1300*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2200 GS ALT AT: ZAVJO 2200 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 44.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 306.22 INBOUND.
CHART FAS OBST: 887 COMMUNICATION TWR
412251N/0911136W
DISTANCE TO THLD FROM 666 HATH: 1.94 NM.
CHART VDP AT 1.75 MILES TO RW12*
*LNAV ONLY.
WAAS CHANNEL # 56336
REFERENCE PATH ID: W12A
CHART CIRCLING ICON.
LTP HAE: 130.4 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	1202	2 1/2	666	1202	2 1/2	666		NA			NA				
LNAV/VNAV DA	1218	2 1/2	682	1218	2 1/2	682		NA			NA				
LNAV MDA	1140	1	604	1140	1	604		NA			NA				
CIRCLING	1140	1	593	1200	1	653		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: VDP AND BARO-VNAV NA WITH IOWA CITY ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE IOWA CITY ALTIMETER SETTING AND (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 547 THRE: 536	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MUSCATINE, IA	AIRPORT NAME: MUSCATINE MUNI	RNAV	RNAV (GPS) RWY 12, ORIG 13 NOVEMBER 2014	AMDT: NONE
				DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES, (CONT.):
INCREASE ALL DA 76 FEET AND ALL MDA 80 FEET, INCREASE LPV, LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).

TAA

	FROM	TO	ALT
1.	036/30 CW 216/30 (NOPT)	036/12 CW 216/12	3300
2.	036/12 CW 216/12	YEBTY (IF/IAF) (FB)	2600
3.	216/30 CW 036/30	YEBTY (IF/IAF) (FO)	2700

QUALITY CHECKED

CITY AND STATE	ELEVATION: 547 THRE: 536	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MUSCATINE, IA	AIRPORT NAME: **MUSCATINE MUNI**	**RNAV**	**RNAV (GPS) RWY 12, ORIG** 13 NOVEMBER 2014	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	KMUT
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	412223.8380N
LTP/FTP LONGITUDE	0910926.6390W
LTP/FTP ELLIPSOIDAL HEIGHT	+01304
FPAP LATITUDE	412132.6060N
FPAP LONGITUDE	0910749.7980W
THRESHOLD CROSSING HEIGHT (TCH)	00044.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	934E28EF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+01633
FPAP ORTHOMETRIC HEIGHT	+01633

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 547 THRE: 536	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MUSCATINE, IA	AIRPORT NAME: MUSCATINE MUNI	RNAV	RNAV (GPS) RWY 12, ORIG 13 NOVEMBER 2014	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   HOVRA K50    W     N41152744W090562209                        W0010     NAR           HOVRA
         SUSAEAENRT   IXOBE K30    W     N41234315W091115671                        W0008     NAR           IXOBE
         SUSAEAENRT   YEBTY K30    W     N41284565W091213103                        W0007     NAR           YEBTY
         SUSAEAENRT   ZAVJO K30    W     N41251919W091145874                        W0008     NAR           ZAVJO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMUTK3AMUT     0     055YHN41220440W091085360W001000547         1800018000C    MNAR    MUSCATINE MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMUTK3FR12   AYEBTY 010YEBTYK3EA0EE AR   HF                    12590040    + 02600     18000                A JS
         SUSAP KMUTK3FR12   R      010YEBTYK3EA0E  I    IF                                + 02600     18000                A JS
         SUSAP KMUTK3FR12   R      020ZAVJOK3EA1E  F 051TF                    12590060    + 02200                          A JS
         SUSAP KMUTK3FR12   R      020ZAVJOK3EA2WALPV       ALNAV/VNAV ALNAV                                               JS
         SUSAP KMUTK3FR12   R      021IXOBEK3EA0E S  031TF                    12600028    V 0130001312        -300         A JS
         SUSAP KMUTK3FR12   R      030RW12 K3PG0GY M 031TF                    12600023      00580             -300         A JS
         SUSAP KMUTK3FR12   R      040         0  M     CA                    1260        + 00947                          A JS
         SUSAP KMUTK3FR12   R      050HOVRAK5EA0EY       DF                              + 02700                          A JS
         SUSAP KMUTK3FR12   R      060HOVRAK5EA0EE  R    HM                    30620040    + 02700                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMUTK3GRW12     0040001261 N41222384W091092664+0200     +01304005360000440 75R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KMUTK3PR12   RW12 001 0000W12A0N412223838 0W09109266390+013040300N412132606 0W091074979801067515280004 40F400500934E28EF
         SUSAP KMUTK3PR12   RW12 002E      +01633+01633LPV       56336
```

CITY AND STATE	ELEVATION: **547** **THRE: 536**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MUSCATINE, IA	AIRPORT NAME: **MUSCATINE MUNI**	**RNAV**	**RNAV (GPS) RWY 12, ORIG** 13 NOVEMBER 2014	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	YEBTY	YEBTY	010	IAF	HF	R	FO		125.9(124.9T)	004.0	AA 02600	
		YEBTY	010	FACF	IF		FB				AA 02600	
		ZAVJO	020	FAF	TF		FB	0.5	125.9(124.9T)	006.0	AA 02200	
		IXOBE	021	SDF	TF		FB	0.3	126.0(125.0T)	002.8	AA 01300 GS 01312	
		RW12	030	MAP	TF		FO	0.3	126.0(125.0T)	002.3	AT 00580	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		126.0(125.0T)		AA 00947	
	HOVRA	050		DF		FO				AA 02700	
	HOVRA	060		HM	R	FO		306.2(305.2T)	004.0	AA 02700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HOVRA	N411527.44	W0905622.09	N4115.457	W09056.368
	IXOBE	N412343.15	W0911156.71	N4123.719	W09111.945
	YEBTY	N412845.65	W0912131.03	N4128.761	W09121.517
	ZAVJO	N412519.19	W0911458.74	N4125.320	W09114.979
	RW12	N412223.84	W0910926.64	N4122.397	W09109.444

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW12	00536	44

CITY AND STATE	ELEVATION: 547 THRE: 536 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MUSCATINE, IA	**MUSCATINE MUNI**	**RNAV**	**RNAV (GPS) RWY 12, ORIG** 13 NOVEMBER 2014	AMDT: **NONE**
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HOVRA (IF/IAF)	WONUM (FB)	306.22 / 6.00	2300
WONUM (FAF)	EMQIB/1.80 NM TO RW30 (FB)	306.14 / 3.59	
EMQIB/1.80 NM TO RW30	RW30 (MAP) (FO)	306.14 / 1.80	
RW30 (MAP)	743 MSL	306.14	
743 MSL	YEBTY (FO)		2600

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW30

CLIMB TO 2600 DIRECT YEBTY AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE HOVRA, RT, 306.22 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
3. FAC: 306.14 FAF: WONUM DIST FAF TO MAP: 5.39 THLD: 5.39
4. MIN. ALT: HOVRA 2700, WONUM 2300, EMQIB/1.80 NM TO RW30 1140*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2300 GS ALT AT: WONUM 2300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 125.94 INBOUND.
CHART FAS OBST: 692 TOWER 412113N/0910748W
DISTANCE TO THLD FROM 200 HATH: 0.50 NM.
CHART VDP AT 1.18 MILES TO RW30*
*LNAV ONLY.
WAAS CHANNEL # 42636
REFERENCE PATH ID: W30A
CHART CIRCLING ICON.
LTP HAE: 132.6 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	743	1	200	743	1	200		NA			NA				
LNAV/VNAV DA	989	1 1/2	446	989	1 1/2	446		NA			NA				
LNAV MDA	960	1	417	960	1	417		NA			NA				
CIRCLING	1000	1	453	1200	1	653		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: VDP AND BARO-VNAV NA WITH IOWA CITY ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE IOWA CITY ALTIMETER SETTING AND (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 547 THRE: 543 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MUSCATINE, IA	MUSCATINE MUNI	RNAV	RNAV (GPS) RWY 30, ORIG 13 NOVEMBER 2014	AMDT: NONE
				DATED

NOTES, (CONT.):

INCREASE ALL DA 76 FEET AND ALL MDA 80 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).

TAA

	FROM	TO	ALT
1.	216/30 CW 036/30 (NOPT)	216/7 CW 036/7	3100
2.	216/7 CW 036/7	HOVRA (IF/IAF) (FB)	2700
3.	036/30 CW 216/30	HOVRA (IF/IAF) (FO)	2700

QUALITY 6 CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMUT
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	412201.1250N
LTP/FTP LONGITUDE	0910843.7020W
LTP/FTP ELLIPSOIDAL HEIGHT	+01326
FPAP LATITUDE	412252.3480N
FPAP LONGITUDE	0911020.5640W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	BE283BD3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+01655
FPAP ORTHOMETRIC HEIGHT	+01655

QUALITY CHECKED

CITY AND STATE	ELEVATION: 547 THRE: 543	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MUSCATINE, IA	AIRPORT NAME: MUSCATINE MUNI	RNAV	RNAV (GPS) RWY 30, ORIG 13 NOVEMBER 2014	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 PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EMQIB K50    W     N41205901W091064635                    W0009     NAR           EMQIB
        SUSAEAENRT   HOVRA K50    W     N41152744W090562209                    W0010     NAR           HOVRA
        SUSAEAENRT   WONUM K50    W     N41185497W091025240                    W0009     NAR           WONUM
        SUSAEAENRT   YEBTY K30    W     N41284565W091213103                    W0007     NAR           YEBTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMUTK3AMUT     0     055YHN41220440W091085360W001000547         1800018000C    MNAR    MUSCATINE MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMUTK3FR30   AHOVRA 010HOVRAK5EA0EE AR   HF                    30620040    + 02700     18000                A JS
        SUSAP KMUTK3FR30   R       010HOVRAK5EA0E  I    IF                                + 02700     18000                A JS
        SUSAP KMUTK3FR30   R       020WONUMK5EA1E  F 051TF                    30620060    + 02300                          A JS
        SUSAP KMUTK3FR30   R       020WONUMK5EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KMUTK3FR30   R       021EMQIBK5EA0E S  031TF                    30610036    V 0114001156        -300         A JS
        SUSAP KMUTK3FR30   R       030RW30 K3PG0GY M 031TF                    30610018      00583             -300         A JS
        SUSAP KMUTK3FR30   R       040         0  M     CA                    3061        + 00743                          A JS
        SUSAP KMUTK3FR30   R       050YEBTYK3EA0EY      DF                              + 02600                          A JS
        SUSAP KMUTK3FR30   R       060YEBTYK3EA0EE  R   HM                    12590040    + 02600                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMUTK3GRW30    0040003061 N41220113W091084370-0200    +0132600543000040075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMUTK3PR30   RW30 001 0000W30A0N4122011250W09108437020+013260300N4122523480W0911020564010675152800040 0F400350BE283BD3
        SUSAP KMUTK3PR30   RW30 002E      +01655+01655LPV       42636
```

CITY AND STATE	ELEVATION: 547 THRE: 543	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MUSCATINE, IA	AIRPORT NAME: **MUSCATINE MUNI**	**RNAV**	**RNAV (GPS) RWY 30, ORIG** 13 NOVEMBER 2014	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HOVRA	HOVRA	010	IAF	HF	R	FO		306.2(305.2T)	004.0	AA 02700	
		HOVRA	010	FACF	IF		FB				AA 02700	
		WONUM	020	FAF	TF		FB	0.5	306.2(305.2T)	006.0	AA 02300	
		EMQIB	021	SDF	TF		FB	0.3	306.1(305.1T)	003.6	AA 01140 GS 01156	
		RW30	030	MAP	TF		FO	0.3	306.1(305.1T)	001.8	AT 00583	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		306.1(305.1T)		AA 00743	
	YEBTY	050		DF		FO				AA 02600	
	YEBTY	060		HM	R	FO		125.9(124.9T)	004.0	AA 02600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EMQIB	N412059.01	W0910646.35	N4120.984	W09106.773
	HOVRA	N411527.44	W0905622.09	N4115.457	W09056.368
	WONUM	N411854.97	W0910252.40	N4118.916	W09102.873
	YEBTY	N412845.65	W0912131.03	N4128.761	W09121.517
	RW30	N412201.13	W0910843.70	N4122.019	W09108.728

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW30	00543	40

CITY AND STATE	ELEVATION: **547** THRE: **543**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MUSCATINE, IA	AIRPORT NAME: **MUSCATINE MUNI**	**RNAV**	**RNAV (GPS) RWY 30, ORIG** 13 NOVEMBER 2014	AMDT: **NONE**
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CELIL (IAF)	UCFEX (NOPT) (FB)	273.06 / 6.00	2600
OLBEE (IAF)	UCFEX (NOPT) (FB)	092.90 / 6.00	2600
UCFEX (IF/IAF)	OQCIR (FB)	182.98 / 6.00	2100
OQCIR	HERER/2.60 NM TO RW18	182.98 / 2.43	
HERER/2.60 NM TO RW18	RW18 (MAP) (FO)	182.98 / 2.60	
RW18 (MAP)	710 MSL	182.98	
710 MSL	HOGLO (FO)		2100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

CLIMB TO 2100 DIRECT HOGLO AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N UCFEX, RT, 182.98 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
3. FAC: 182.98 FAF: OQCIR DIST FAF TO MAP: 5.03 THLD: 5.03
4. MIN. ALT: UCFEX 2600, OQCIR 2100, HERER/2.60 NM TO RW18 1320*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2100 GS ALT AT: OQCIR 2100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 002.99 INBOUND.
CHART FAS OBST: 582 TREE 384303N/0870832W
DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
CHART VDP AT 1.07 MILES TO RW18*
*LNAV ONLY.
WAAS CHANNEL # 86436
REFERENCE PATH ID: W18A
749 AAO 384720N/0870651W.
CHART CIRCLING ICON.
CHART: 609 TREE 384510N/0870833W.
LTP HAE: 107.7 M

MAG VAR: 3W 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
LPV DA	710	7/8	250	710	7/8	250	710	7/8	250	710	7/8	250			
LNAV/VNAV DA	743	1	283	743	1	283	743	1	283	743	1	283			
LNAV MDA	840	1	380	840	1	380	840	1	380	840	1	380			
CIRCLING	1020	1	551	1060	1	591	1060	1 1/2	591	1300	2 3/4	831			

NOTES:
CHART NOTE: NIGHT LANDING: RWY 36 NA.
CHART NOTE: BARO-VNAV NA WHEN USING LAWRENCEVILLE-VINCENNES INTL ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15C (5F) OR ABOVE 54C (130F).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAWRENCEVILLE-VINCENNES INTL ALTIMETER (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 469 THRE: 460 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WASHINGTON, IN	DAVIESS COUNTY	RNAV	RNAV (GPS) RWY 18, AMDT 1 13 NOVEMBER 2014	AMDT: ORIG DATED 06/08/2006

Bearings, headings, courses, and radials are magnetic. Elevations 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 DA 58 FT AND ALL MDA 60 FT; INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE AND LNAV AND CIRCLING CATS C, D VISIBILITY 1/4 MILE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE AT UCFEX : MAX 230 KIAS.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: VDP NA WITH LAWRENCEVILLE-VINCENNES INTL ALTIMETER SETTING.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

TAA

	FROM	TO	ALT
1.	093/30 CW 273/30 (NOPT)	UCFEX (IF/IAF) (FB)	2600
2.	273/30 CW 003/30	CELIL (IAF) (FB)	2600
3.	003/30 CW 093/30	OLBEE (IAF) (FB)	2600

Bearings, headings, courses, and radials are magnetic. Elevations 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	KDCY
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	384221.2725N
LTP/FTP LONGITUDE	0870747.0375W
LTP/FTP ELLIPSOIDAL HEIGHT	+01077
FPAP LATITUDE	384052.0845N
FPAP LONGITUDE	0870746.9985W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	01CC8952

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01401
FPAP ORTHOMETRIC HEIGHT	+01401

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   CELIL K50    W     N38532334W087000625                      W0038     NAR           CELIL
          SUSAEAENRT   HERER K50    W     N38445743W087074710                      W0037     NAR           HERER
          SUSAEAENRT   HOGLO K50    W     N38313807W087074689                      W0036     NAR           HOGLO
          SUSAEAENRT   OLBEE K50    W     N38532309W087152840                      W0036     NAR           OLBEE
          SUSAEAENRT   OQCIR K50    W     N38472312W087074717                      W0037     NAR           OQCIR
          SUSAEAENRT   UCFEX K50    W     N38532347W087074733                      W0037     NAR           UCFEX

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KDCYK5ADCY     0     046YHN38420152W087074704W003000469         1800018000C    MNAR    DAVIESS COUNTY

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KDCYK5FR18   ACELIL 010CELILK5EA0E  A    IF                                          18000                A JS
          SUSAP KDCYK5FR18   ACELIL 020UCFEXK5EA0EE B 010TF                     27310060    + 02600        230              A-JS
          SUSAP KDCYK5FR18   AOLBEE 010OLBEEK5EA0E  A    IF                                          18000                A JS
          SUSAP KDCYK5FR18   AOLBEE 020UCFEXK5EA0EE B 010TF                     09290060    + 02600        230              A-JS
          SUSAP KDCYK5FR18   AUCFEX 010UCFEXK5EA0EE AR   HF                     18300040    + 02600    18000230             A-JS
          SUSAP KDCYK5FR18   R       010UCFEXK5EA0E  I    IF                                + 02600    18000230             A-JS
          SUSAP KDCYK5FR18   R       020OQCIRK5EA1E  F 051TF                     18300060    + 02100                         A JS
          SUSAP KDCYK5FR18   R       020OQCIRK5EA2WALPV       ALNAV/VNAV ALNAV                                              JS
          SUSAP KDCYK5FR18   R       021HERERK5EA0E S  031TF                     18300024    V 0132001327       -300       A JS
          SUSAP KDCYK5FR18   R       030RW18 K5PG0GY M 031TF                     18300026      00500            -300       A JS
          SUSAP KDCYK5FR18   R       040         0  M     CA                     1830        + 00710                         A JS
          SUSAP KDCYK5FR18   R       050HOGLOK5EA0EY       DF                                + 02100                         A JS
          SUSAP KDCYK5FR18   R       060HOGLOK5EA0EE  R   HM                     00300040    + 02100                         A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KDCYK5GRW18    0046151830 N38422127W087074704+0200    +010770046003064007 5R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KDCYK5PR18   RW18 001 0000W18A0N3842212725W08707470375+010770300N3840520845W0870746998510675144000040 0F40050001CC8952
          SUSAP KDCYK5PR18   RW18 002E      +01401+01401LPV       86436
```

CITY AND STATE	ELEVATION: 469 THRE: 460	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WASHINGTON, IN	AIRPORT NAME: **DAVIESS COUNTY**	**RNAV**	**RNAV (GPS) RWY 18, AMDT 1** 13 NOVEMBER 2014	AMDT: **ORIG**
				DATED: **06/08/2006**

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
	CELIL	CELIL	010	IAF	IF		FB					
	CELIL	UCFEX	020		TF		FB	1.0	273.1(270.1T)	006.0	AA 02600	AB 230
	OLBEE	OLBEE	010	IAF	IF		FB					
	OLBEE	UCFEX	020		TF		FB	1.0	092.9(089.9T)	006.0	AA 02600	AB 230
	UCFEX	UCFEX	010	IAF	HF	R	FO		183.0(180.0T)	004.0	AA 02600	AB 230
		UCFEX	010	FACF	IF		FB				AA 02600	AB 230
		OQCIR	020	FAF	TF		FB	0.5	183.0(180.0T)	006.0	AA 02100	
		HERER	021	SDF	TF		FB	0.3	183.0(180.0T)	002.4	AA 01320 GS 01327	
		RW18	030	MAP	TF		FO	0.3	183.0(180.0T)	002.6	AT 00500	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		183.0(180.0T)		AA 00710	
	HOGLO	050		DF		FO				AA 02100	
	HOGLO	060		HM	R	FO		003.0(360.0T)	004.0	AA 02100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CELIL	N385323.34	W0870006.25	N3853.389	W08700.104
	HERER	N384457.43	W0870747.10	N3844.957	W08707.785
	HOGLO	N383138.07	W0870746.89	N3831.635	W08707.782
	OLBEE	N385323.09	W0871528.40	N3853.385	W08715.473
	OQCIR	N384723.12	W0870747.17	N3847.385	W08707.786
	UCFEX	N385323.47	W0870747.33	N3853.391	W08707.789
	RW18	N384221.27	W0870747.04	N3842.355	W08707.784

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00460	40

CITY AND STATE	ELEVATION: **469** **THRE: 460**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WASHINGTON, IN	AIRPORT NAME: **DAVIESS COUNTY**	**RNAV**	**RNAV (GPS) RWY 18, AMDT 1** 13 NOVEMBER 2014	AMDT: **ORIG**
				DATED: **06/08/2006**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EDDDY (IAF)	CUKRI (NOPT) (FB)	179.03 / 8.65	3000
BEANZ (IAF)	CUKRI (NOPT) (FB)	319.12 / 8.65	3000
CUKRI (IF/IAF)	LAYIV (FB)	249.04 / 7.00	2400
LAYIV (FAF)	KICSE/2.50 NM TO RW25 (FB)	248.96 / 2.44	
KICSE/2.50 NM TO RW25	RW25 (MAP) (FO)	248.96 / 2.50	
RW25 (MAP)	1098 MSL	248.96	
1098 MSL	DEXLO (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW25

CLIMB TO 3000 DIRECT DEXLO AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E CUKRI, RT, 249.04 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 248.96 FAF: LAYIV DIST FAF TO MAP: 4.94 THLD: 4.94
4. MIN. ALT: CUKRI 3000, LAYIV 2400, KICSE/2.50 NM TO RW25 1620*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: LAYIV 2400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 068.75 INBOUND.
CHART FAS OBST: 936 TOWER 381119N/0845357W
OBST: 1089 AAO 381424N/0844838W
DISTANCE TO THLD FROM 308 HAT: 0.82 NM.
WAAS CHANNEL # 56531
REFERENCE PATH ID: W25A
CHART CIRCLING ICON
LTP HAE: 205.2 M

MAG VAR: 5W EPOCH YEAR: 2015

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1098	7/8	308	1098	7/8	308	1098	1	308	1098	1	308			
LNAV/VNAV DA	1104	7/8	314	1104	7/8	314	1104	1	314	1104	1	314			
LNAV MDA	1200	1	410	1200	1	410	1200	1	410	1200	1	410			
CIRCLING	1280	1	468	1380	1	568	1440	1 3/4	628	1440	2	628			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
(SEE FORM 8260-10)

@NA WHEN LOCAL WEATHER NOT AVAILABLE

QUALITY CHECKED

CITY AND STATE	ELEVATION: 812 TDZE: 790	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FRANKFORT, KY	AIRPORT NAME: CAPITAL CITY	RNAV	RNAV (GPS) RWY 25, AMDT 3 13 NOVEMBER 2014	AMDT: 2A
				DATED 08/22/2014

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LEXINGTON ALTIMETER SETTING AND INCREASE ALL DA 62 FT AND INCREASE ALL MDA 80 FT, INCREASE LPV AND LNAV/VNAV VISIBILITY CATS A/B 1/4 MILE, CATS C/D 1/8 MILE, INCREASE LNAV AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE ODALS, INCREASE LNAV CATS C/D VISIBILITY TO 1 1/8 MILES.

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

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS AND LNAV CAT A/B.

TAA

	FROM	TO	ALT
1.	179/30 CW 319/30 (NOPT)	CUKRI (IF/IAF) (FB)	3000
2.	319/30 CW 069/30	BEANZ (IAF) (FB)	3100
3.	069/30 CW 179/30	EDDDY (IAF) (FB)	3000

QUALITY CHECKED

CITY AND STATE	ELEVATION: 812 TDZE: 790	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FRANKFORT, KY	AIRPORT NAME: CAPITAL CITY	RNAV	RNAV (GPS) RWY 25, AMDT 3 13 NOVEMBER 2014	AMDT: 2A DATED: 08/22/2014

Bearings, headings, courses, and radials are magnetic. Elevations 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	KFFT
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	381106.2075N
LTP/FTP LONGITUDE	0845353.3380W
LTP/FTP ELLIPSOIDAL HEIGHT	+02052
FPAP LATITUDE	381026.9540N
FPAP LONGITUDE	0845534.8070W
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	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	3C20007B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02388
FPAP ORTHOMETRIC HEIGHT	+02388

QUALITY CHECKED

CITY AND STATE	ELEVATION: 812 TDZE: 790	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FRANKFORT, KY	AIRPORT NAME: CAPITAL CITY	RNAV	RNAV (GPS) RWY 25, AMDT 3 13 NOVEMBER 2014	AMDT: 2A DATED: 08/22/2014

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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   BEANZ K50    W     N38101949W084322329                    W0056     NAR           BEANZ
        SUSAEAENRT   CUKRI K50    W     N38162093W084401640                    W0055     NAR           CUKRI
        SUSAEAENRT   DEXLO K50    W     N38052850W085082330                    W0051     NAR           DEXLO
        SUSAEAENRT   EDDDY K50    W     N38245766W084412497                    W0055     NAR           EDDDY
        SUSAEAENRT   KICSE K50    W     N38121224W084510246                    W0053     NAR           KICSE
        SUSAEAENRT   LAYIV K50    C     N38131648W084481592                    W0054     NAR           LAYIV

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFFTK5AFFT     0     055YHN38105423W084542430W005000812         1800018000C    MNAR    CAPITAL CITY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFFTK5FR25   ABEANZ 010BEANZK5EA0E  A    IF                                                18000                A JS
        SUSAP KFFTK5FR25   ABEANZ 020CUKRIK5EA0EE B 010TF                    31910087    + 03000                                A JS
        SUSAP KFFTK5FR25   ACUKRI 010CUKRIK5EA0EE AR   HF                    24900050    + 03000     18000                      A JS
        SUSAP KFFTK5FR25   AEDDDY 010EDDDYK5EA0E  A    IF                                        18000                      A JS
        SUSAP KFFTK5FR25   AEDDDY 020CUKRIK5EA0EE B 010TF                    17900087    + 03000                                A JS
        SUSAP KFFTK5FR25   R      010CUKRIK5EA0E  I    IF                                + 03000     18000                      A JS
        SUSAP KFFTK5FR25   R      020LAYIVK5EA1E  F 051TF                    24900070    + 02400                                A JS
        SUSAP KFFTK5FR25   R      020LAYIVK5EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
        SUSAP KFFTK5FR25   R      021KICSEK5EA0E S  031TF                    24900024    V 0162001625        -300               A JS
        SUSAP KFFTK5FR25   R      030RW25 K5PG0GY M 031TF                    24900025      00828             -300               A JS
        SUSAP KFFTK5FR25   R      040         0  M     CA                    2490        + 01098                                A JS
        SUSAP KFFTK5FR25   R      050DEXLOK5EA0EY      DF                              + 03000                                A JS
        SUSAP KFFTK5FR25   R      060DEXLOK5EA0EE  R   HM                    06880050    + 03000                                A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFFTK5GRW25    0055062489 N38110621W084535334+0500    +020520078300004510ORIFFT0

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFFTK5PR25   RW25 001 0000W25A0N3811062075W08453533380+020520300N3810269540W0845534807010675107200045OF4005003C20007B
        SUSAP KFFTK5PR25   RW25 002E      +02388+02388LPV       56531
```

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 812 TDZE: 790	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRANKFORT, KY	AIRPORT NAME: CAPITAL CITY	RNAV	RNAV (GPS) RWY 25, AMDT 3 13 NOVEMBER 2014	AMDT: 2A DATED: 08/22/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BEANZ	BEANZ	010	IAF	IF		FB					
	BEANZ	CUKRI	020		TF		FB	1.0	319.1(314.1T)	008.7	AA 03000	
	CUKRI	CUKRI	010	IAF	HF	R	FO		249.0(244.0T)	005.0	AA 03000	
	EDDDY	EDDDY	010	IAF	IF		FB					
	EDDDY	CUKRI	020		TF		FB	1.0	179.0(174.0T)	008.7	AA 03000	
		CUKRI	010	FACF	IF		FB				AA 03000	
		LAYIV	020	FAF	TF		FB	0.5	249.0(244.0T)	007.0	AA 02400	
		KICSE	021	SDF	TF		FB	0.3	249.0(244.0T)	002.4	AA 01620	GS 01625
		RW25	030	MAP	TF		FO	0.3	249.0(244.0T)	002.5	AT 00828	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		249.0(244.0T)		AA 01098	
	DEXLO	050		DF		FO				AA 03000	
	DEXLO	060		HM	R	FO		068.8(063.8T)	005.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BEANZ	N381019.49	W0843223.29	N3810.325	W08432.388
	CUKRI	N381620.93	W0844016.40	N3816.349	W08440.273
	DEXLO	N380528.50	W0850823.30	N3805.475	W08508.388
	EDDDY	N382457.66	W0844124.97	N3824.961	W08441.416
	KICSE	N381212.24	W0845102.46	N3812.204	W08451.041
	LAYIV	N381316.48	W0844815.92	N3813.275	W08448.265
	RW25	N381106.21	W0845353.34	N3811.104	W08453.889

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25	00783	45

CITY AND STATE	ELEVATION: 812 TDZE: 790	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FRANKFORT, KY	AIRPORT NAME: **CAPITAL CITY**	**RNAV**	**RNAV (GPS) RWY 25, AMDT 3** 13 NOVEMBER 2014	AMDT: **2A**
				DATED: **08/22/2014**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PLN VORTAC	WETMA (FO)	340.06 / 10.26	2400
WETMA (IF/IAF)	YANUN (FB)	101.42 / 5.99	2300
YANUN (FAF)	RW10 (MAP) (FO)	101.52 / 5.01	
RW10 (MAP)	1060 MSL	101.52	
1060 MSL	WEVNU (FO)		4000

MISSED APPROACH

LP: RW10
LNAV: RW10

CLIMB TO 4000 DIRECT WEVNU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 281.81 INBOUND.
FAS OBST: 789 TREE 454611N/0843105W
CHART PIKE WEST MOA.
WAAS CHANNEL # 78235
REFERENCE PATH ID: W10A
YANUN TO RW10: 3.00/40.
CHART CHEBOYGAN AWOS-3
CHART CIRCLING ICON
LTP HAE: 166.4 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W WETMA, RT, 101.42 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
3. FAC: 101.52 FAF: YANUN DIST FAF TO MAP: 5.01 THLD: 5.01
4. MIN. ALT: WETMA 2300, YANUN 2300
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM: RW10 2900

MAG VAR: 6W 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
LP MDA	1060	1	397	1060	1	397		NA			NA				
LNAV MDA	1080	1	417	1080	1	417		NA			NA				
CIRCLING	1120	1	456	1120	1	456		NA			NA				

NOTES:
CHART NOTE: USE CHEBOYGAN ALTIMETER SETTING; WHEN NOT RECEIVED, USE MACKINAC ISLAND ALTIMETER SETTING AND INCREASE ALL MDA 20 FT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PLN VORTAC AIRWAY RADIALS 295 CW 023.

CITY AND STATE	ELEVATION: 664 THRE: 663	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BOIS BLANC ISLAND, MI	AIRPORT NAME: BOIS BLANC ISLAND	RNAV	RNAV (GPS) RWY 10, ORIG 13 NOVEMBER 2014	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	6Y1
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	454600.2730N
LTP/FTP LONGITUDE	0843037.0240W
LTP/FTP ELLIPSOIDAL HEIGHT	+01664
FPAP LATITUDE	454551.5455N
FPAP LONGITUDE	0842830.3605W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1712
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	09982B0F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02022
FPAP ORTHOMETRIC HEIGHT	+02022

QUALITY 6 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
BOIS BLANC ISLAND, MI	ELEVATION: 664 THRE: 663 AIRPORT NAME: BOIS BLANC ISLAND	RNAV	RNAV (GPS) RWY 10, ORIG 13 NOVEMBER 2014	SUP: AMDT: NONE DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        PLN   K5011180VTLANN45375033W084395079    N45375033W084395079W0060008351     NARPELLSTON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   WETMA K50    W     N45470371W084461561                    W0070     NAR           WETMA
        SUSAEAENRT   WEVNU K50    W     N45445130W084141122                    W0074     NAR           WEVNU
        SUSAEAENRT   YANUN K50    W     N45462945W084374474                    W0071     NAR           YANUN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 6Y1 K5A6Y1     0     034YHN45455867W084301373W006000664         1800018000C    MNAR    BOIS BLANC ISLAND

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 6Y1 K5FR10   APLN   010PLN  K5D 0V       IF                                          18000                A JS
        SUSAP 6Y1 K5FR10   APLN   020WETMAK5EA0EY   020TF                    34010103    + 02400                       A JS
        SUSAP 6Y1 K5FR10   APLN   030WETMAK5EA0EE AR   HF                    10140040    + 02300                       A JS
        SUSAP 6Y1 K5FR10   R      010WETMAK5EA0E  I    IF                                + 02300    18000              A JS
        SUSAP 6Y1 K5FR10   R      020YANUNK5EA1E  F 051TF                    10140060    + 02300                RW10  K5PGA JS
        SUSAP 6Y1 K5FR10   R      020YANUNK5EA2WALP        N          ALNAV                                          JS
        SUSAP 6Y1 K5FR10   R      030RW10 K5PG0GY M 031TF                    10150050      00703          -300        A JS
        SUSAP 6Y1 K5FR10   R      040         0  M     CA                    1015        + 01060                   A JS
        SUSAP 6Y1 K5FR10   R      050WEVNUK5EA0EY      DF                              + 04000                   A JS
        SUSAP 6Y1 K5FR10   R      060WEVNUK5EA0EE  R   HM                    28180040    + 04000                   A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 6Y1 K5GRW10    0034981016 N45460027W084303702-0600    +0166400663009040075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP 6Y1 K5PR10   RW10 001 0000W10A0N4546002730W08430370240+016640300N4545515455W084283036051067517120004O0F40000009982B0F
        SUSAP 6Y1 K5PR10   RW10 002E      +02022+02022LP        78235

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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CITY AND STATE	ELEVATION: 664 THRE: 663	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BOIS BLANC ISLAND, MI	AIRPORT NAME: **BOIS BLANC ISLAND**	**RNAV**	**RNAV (GPS) RWY 10, ORIG** 13 NOVEMBER 2014	AMDT: **NONE**
				DATED:

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

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SUSAP 6Y1 K5SRW10 K5PG              0   18018002925                                                    M
```

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 664 THRE: 663	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BOIS BLANC ISLAND, MI	AIRPORT NAME: BOIS BLANC ISLAND	RNAV	RNAV (GPS) RWY 10, ORIG 13 NOVEMBER 2014	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
	PLN	PLN	010		IF		FB					
	PLN	WETMA	020		TF		FO	2.0	340.1(334.1T)	010.3	AA 02400	
	PLN	WETMA	030	IAF	HF	R	FO		101.4(095.4T)	004.0	AA 02300	
		WETMA	010	FACF	IF		FB				AA 02300	
		YANUN	020	FAF	TF		FB	0.5	101.4(095.4T)	006.0	AA 02300	
		RW10	030	MAP	TF		FO	0.3	101.5(095.5T)	005.0	AT 00703	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		101.5(095.5T)		AA 01060	
	WEVNU	050		DF		FO				AA 04000	
	WEVNU	060		HM	R	FO		281.8(275.8T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PLN	N453750.33	W0843950.79	N4537.839	W08439.847
	WETMA	N454703.71	W0844615.61	N4547.062	W08446.260
	WEVNU	N454451.30	W0841411.22	N4544.855	W08414.187
	YANUN	N454629.45	W0843744.74	N4546.491	W08437.746
	RW10	N454600.27	W0843037.02	N4546.005	W08430.617

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	00663	40

QUALITY 6 CHECKED

CITY AND STATE	ELEVATION: 664 THRE: 663	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BOIS BLANC ISLAND, MI	AIRPORT NAME: BOIS BLANC ISLAND	RNAV	RNAV (GPS) RWY 10, ORIG 13 NOVEMBER 2014	AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PLN VORTAC	WEVNU (FO)	074.53 / 19.31	2400
WEVNU (IF/IAF)	ZEPSU (FB)	281.81 / 5.92	2300
ZEPSU	UQLIZ/3.00 NM TO RW28 (FB)	281.71 / 2.08	
UQLIZ/3.00 NM TO RW28	RW28 (MAP) (FO)	281.71 / 3.00	
RW28 (MAP)	1040 MSL	281.71	
1040 MSL	PLN VORTAC (FO)		3000

MISSED APPROACH

LP: RW28
LNAV: RW28

CLIMB TO 3000 DIRECT PELLSTON VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 074.53 INBOUND.
FAS OBST: 759 TREE 454551N/0842947W
FAS OBST: 769 TREE 454602N/0842612W
OBST: 849 AAO 454543N/0842507W
CHART PIKE WEST MOA.
WAAS CHANNEL # 42735
REFERENCE PATH ID: W28A
ZEPSU TO RW28: 3.00/40.
CHART CIRCLING ICON
CHART CHEBOYGAN AWOS-3
LTP HAE: 159.7 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E WEVNU, RT, 281.81 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
3. FAC: 281.71 FAF: ZEPSU DIST FAF TO MAP: 5.08 THLD: 5.08
4. MIN. ALT: WEVNU 2300, ZEPSU 2300, UQLIZ/3.00 NM TO RW28 1620
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM: RW28 2900

MAG VAR: 6W 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
LP MDA	1040	1	398	1040	1	398		NA			NA				
LNAV MDA	1060	1	418	1060	1	418		NA			NA				
CIRCLING	1120	1	456	1120	1	456		NA			NA				

NOTES:
CHART NOTE: USE CHEBOYGAN ALTIMETER SETTING; WHEN NOT RECEIVED, MACKINAC ISLAND ALTIMETER SETTING.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PLN VORTAC AIRWAY RADIALS 023 CW 131.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

CITY AND STATE	ELEVATION: 664 THRE: 642 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BOIS BLANC ISLAND, MI	BOIS BLANC ISLAND	RNAV	RNAV (GPS) RWY 28, ORIG 13 NOVEMBER 2014	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	6Y1
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	454556.9825N
LTP/FTP LONGITUDE	0842949.1725W
LTP/FTP ELLIPSOIDAL HEIGHT	+01597
FPAP LATITUDE	454605.6870N
FPAP LONGITUDE	0843155.8425W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1688
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	D8F52B28

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01956
FPAP ORTHOMETRIC HEIGHT	+01956

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        PLN   K5011180VTLANN45375033W084395079    N45375033W084395079W0060008351     NARPELLSTON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   UQLIZ K50    W     N45453928W084253331                      W0073     NAR           UQLIZ
        SUSAEAENRT   WEVNU K50    W     N45445130W084141122                      W0074     NAR           WEVNU
        SUSAEAENRT   ZEPSU K50    W     N45452690W084223576                      W0073     NAR           ZEPSU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 6Y1 K5A6Y1     0     034YHN45455867W084301373W006000664         1800018000C    MNAR    BOIS BLANC ISLAND

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 6Y1 K5FR28   APLN   010PLN  K5D 0V       IF                                                18000                A JS
        SUSAP 6Y1 K5FR28   APLN   020WEVNUK5EA0EY   020TF                      07450193    + 02400                            A JS
        SUSAP 6Y1 K5FR28   APLN   030WEVNUK5EA0EE AR   HF                      28180040    + 02300                            A JS
        SUSAP 6Y1 K5FR28   R      010WEVNUK5EA0E  I    IF                                  + 02300     18000                  A JS
        SUSAP 6Y1 K5FR28   R      020ZEPSUK5EA1E  F 051TF                      28180059    + 02300                  RW28  K5PGA JS
        SUSAP 6Y1 K5FR28   R      020ZEPSUK5EA2WALP        N          ALNAV                                                    JS
        SUSAP 6Y1 K5FR28   R      021UQLIZK5EA0E S  031TF                      28170021    V 0162001637        -300          A JS
        SUSAP 6Y1 K5FR28   R      030RW28 K5PG0GY M 031TF                      28170030      00682             -300          A JS
        SUSAP 6Y1 K5FR28   R      040         0  M     CA                      2817        + 01040                            A JS
        SUSAP 6Y1 K5FR28   R      050PLN  K5D 0VY      DF                                  + 03000                            A JS
        SUSAP 6Y1 K5FR28   R      060PLN  K5D 0VE  R   HM                      07450040    + 03000                            A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 6Y1 K5GRW28    0034982816 N45455698W084294917+0600    +0159700642000040075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 6Y1 K5PR28   RW28 001 0000W28A0N4545569825W08429491725+015970300N4546056870W084315584251067516880004 00F400000D8F52B28
        SUSAP 6Y1 K5PR28   RW28 002E      +01956+01956LP        42735

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

CITY AND STATE	ELEVATION: 664 THRE: 642	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BOIS BLANC ISLAND, MI	AIRPORT NAME: BOIS BLANC ISLAND	RNAV	RNAV (GPS) RWY 28, ORIG 13 NOVEMBER 2014	AMDT: NONE DATED:

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

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MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP 6Y1 K5SRW28 K5PG              0   18018002925                                                                  M
```

CITY AND STATE	ELEVATION: 664 THRE: 642	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BOIS BLANC ISLAND, MI	AIRPORT NAME: BOIS BLANC ISLAND	RNAV	RNAV (GPS) RWY 28, ORIG 13 NOVEMBER 2014	AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	PLN	PLN	010		IF		FB					
	PLN	WEVNU	020		TF		FO	2.0	074.5(068.5T)	019.3	AA 02400	
	PLN	WEVNU	030	IAF	HF	R	FO		281.8(275.8T)	004.0	AA 02300	
		WEVNU	010	FACF	IF		FB				AA 02300	
		ZEPSU	020	FAF	TF		FB	0.5	281.8(275.8T)	005.9	AA 02300	
		UQLIZ	021	SDF	TF		FB	0.3	281.7(275.7T)	002.1	AA 01620 GS 01637	
		RW28	030	MAP	TF		FO	0.3	281.7(275.7T)	003.0	AT 00682	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		281.7(275.7T)		AA 01040	
	PLN	050		DF		FO				AA 03000	
	PLN	060		HM	R	FO		074.5(068.5T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PLN	N453750.33	W0843950.79	N4537.839	W08439.847
	UQLIZ	N454539.28	W0842533.31	N4545.655	W08425.555
	WEVNU	N454451.30	W0841411.22	N4544.855	W08414.187
	ZEPSU	N454526.90	W0842235.76	N4545.448	W08422.596
	RW28	N454556.98	W0842949.17	N4545.950	W08429.820

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00642	40

CITY AND STATE	ELEVATION: **664** **THRE: 642**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BOIS BLANC ISLAND, MI	AIRPORT NAME: **BOIS BLANC ISLAND**	**RNAV**	**RNAV (GPS) RWY 28, ORIG** 13 NOVEMBER 2014	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
BOIS BLANC ISLAND, MI	BOIS BLANC ISLAND	13 NOVEMBER 2014	ORIG

TAKEOFF MINIMUMS:

RWY 10, 28 STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 10, TREES BEGINNING ABEAM DER, 144 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/759 FT MSL. TREES BEGINNING ABEAM DER, 200 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/759 FT MSL. TREES BEGINNING 1738 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/759 FT MSL.

NOTE: RWY 28, TREES BEGINNING ABEAM DER, 217 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/769 FT MSL. TREES BEGINNING ABEAM DER, 266 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/799 FT MSL. VEHICLES ON ROAD BEGINNING ABEAM DER, 170 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/684 FT MSL. VEHICLES ON ROAD BEGINNING 440 FT FROM DER, CROSSING CENTERLINE FROM LEFT TO RIGHT, UP TO 15 FT MSL/684 FT MSL. TREES BEGINNING 1590 FT FROM DER, LEFT AND RIGHT OF CENTERLINE UP TO 100 FT AGL/799 FT MSL.

CONTROLLING OBSTACLES:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
BOIS BLANC ISLAND, MI	BOIS BLANC ISLAND	13 NOVEMBER 2014	ORIG

REMARKS:

FLIGHT INSPECTED BY:

Jeffrey W Randall FOR

DEVELOPED BY:

JILL OLSON (NICK PETTIET) FOR AJV-353 08/23/2013

APPROVED BY:

DEB COPELAND FOR AJV-353 AUG 08 2014

COORDINATED WITH:

AOPA, NBAA, AMGR, ZMP.

REQUIRED EFFECTIVE DATE:

ROUTINE 2-20-2014

CHANGES:

ORIGINAL PROCEDURE

REASONS:

QUALITY 6 CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
OWOSO	NUPUE (FB)	056.69 / 13.51	3100
BIRRS (IAF)	JUBER (NOPT) (FB)	179.31 / 11.18	3100
FIBIN (IAF)	JUBER (NOPT) (FB)	275.20 / 5.00	3100
NUPUE (IAF)	JUBER (NOPT) (FB)	095.04 / 5.00	3100
JUBER (IF/IAF)	CODAG (FB)	185.12 / 6.07	2400
CODAG (FAF)	EVNEW/2.60 NM TO RW18	185.12 / 2.33	
EVNEW/2.60 NM TO RW18	RW18 (MAP) (FO)	185.12 / 2.60	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

CLIMB TO 3000 DIRECT HAGEM AND ON TRACK 182.39 TO POLAR AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N JUBER, RT, 185.12 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 185.12 FAF: CODAG DIST FAF TO MAP: 4.93 THLD: 4.93
4. MIN. ALT: JUBER 3100, CODAG 2400, EVNEW/2.60 NM TO RW18 1640*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2400 GS ALT AT: CODAG 2400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 42.0 34:1 IS NOT CLEAR
8. MSA FROM: RW18 3100

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 342.52 INBOUND.
CHART FAS OBST: 948 TANK 430038N/0834425W
CHART: ASR
DISTANCE TO THLD FROM 333 HAT: 0.95 NM.
CHART VDP AT 1.24 MILES TO RW18*
*LNAV ONLY.
WAAS CHANNEL # 99514
REFERENCE PATH ID: W18A
LTP HAE: 199.2 M

MAG VAR: 6W EPOCH YEAR: 2000

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1109	1 1/4	333	1109	1 1/4	333	1109	1 1/4	333	1109	1 1/4	333			
LNAV/VNAV DA	1253	1 3/4	477	1253	1 3/4	477	1253	1 3/4	477	1253	1 3/4	477			
LNAV MDA	1200	1	424	1200	1	424	1200	1 1/4	424	1200	1 1/4	424			
CIRCLING	1300	1	518	1300	1	518	1300	1 1/2	518	1340	2	558			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OWOSO ON V450 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BIRRS ON V320 NORTHWEST BOUND.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 782 TDZE: 776	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FLINT, MI	AIRPORT NAME: BISHOP INTL	RNAV	RNAV (GPS) RWY 18, AMDT 1A 13 NOVEMBER 2014	AMDT: 1
				DATED 08/27/2009

FAA FORM 8260 - 3 / April 2006 (computer generated)

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW18 (MAP)	1109 MSL	185.12	
1109 MSL	HAGEM (FB)		
HAGEM	POLAR (FO)	182.39 / 4.84	3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: CAUTION: BRIGHTLY LIGHTED PARKING LOT 4000 FT EAST OF APPROACH END OF RWY 27 CAN EASILY BE CONFUSED FOR RWY 27.

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

CITY AND STATE	ELEVATION: 782 TDZE: 776	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FLINT, MI	AIRPORT NAME: BISHOP INTL	RNAV	RNAV (GPS) RWY 18, AMDT 1A 13 NOVEMBER 2014	AMDT: 1
				DATED: 08/27/2009

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFNT
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	425819.8600N
LTP/FTP LONGITUDE	0834436.4080W
LTP/FTP ELLIPSOIDAL HEIGHT	+01992
FPAP LATITUDE	425650.7500N
FPAP LONGITUDE	0834434.5500W
THRESHOLD CROSSING HEIGHT (TCH)	00042.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0416
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	472B4C59

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02331
FPAP ORTHOMETRIC HEIGHT	+02331

QUALITY

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BIRRS K50    C   L N43202648W083463711                    W0072     NAR           BIRRS
        SUSAEAENRT   CODAG K50    W     N43031599W083444261                    W0072     NAR           CODAG
        SUSAEAENRT   EVNEW K50    W     N43005588W083443968                    W0072     NAR           EVNEW
        SUSAEAENRT   FIBIN K50    W     N43092434W083380044                    W0073     NAR           FIBIN
        SUSAEAENRT   HAGEM K50    W     N42550431W083443238                    W0071     NAR           HAGEM
        SUSAEAENRT   JUBER K50    W     N43091994W083445026                    W0072     NAR           JUBER
        SUSAEAENRT   NUPUE K50    W     N43091513W083514006                    W0071     NAR           NUPUE
        SUSAEAENRT   OWOSO K50    R   L N43004244W084055673                    W0069     NAR           OWOSO
        SUSAEAENRT   POLAR K50    C   L N42501467W083440758                    W0071     NAR           POLAR

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFNTK5AFNT     0     078YHN42575550W083443720W006000782          1800018000C    MNAR    BISHOP INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFNTK5FR18   ABIRRS 010BIRRSK5EA0E  A    IF                                          18000                A JS
        SUSAP KFNTK5FR18   ABIRRS 020JUBERK5EA0EE B 010TF                    17930112    + 03100                      A JS
        SUSAP KFNTK5FR18   AFIBIN 010FIBINK5EA0E  A    IF                                          18000                A JS
        SUSAP KFNTK5FR18   AFIBIN 020JUBERK5EA0EE B 010TF                    27520050    + 03100                      A JS
        SUSAP KFNTK5FR18   AJUBER 010JUBERK5EA0EE AR   HF                    18510040    + 03100     18000            A JS
        SUSAP KFNTK5FR18   AOWOSO 010OWOSOK5EA0E       IF                                          18000                A JS
        SUSAP KFNTK5FR18   AOWOSO 020NUPUEK5EA0E  A 020TF                    05670135    + 03100                      A JS
        SUSAP KFNTK5FR18   AOWOSO 030JUBERK5EA0EE B 010TF                    09500050    + 03100                      A JS
        SUSAP KFNTK5FR18   R      010JUBERK5EA0E  I    IF                                + 03100     18000            A JS
        SUSAP KFNTK5FR18   R      020CODAGK5EA1E  F 051TF                    18510061    + 02400                RW18  K5PGA JS
        SUSAP KFNTK5FR18   R      020CODAGK5EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KFNTK5FR18   R      021EVNEWK5EA0E S  031TF                    18510023    V 0164001647      -300          A JS
        SUSAP KFNTK5FR18   R      030RW18 K5PG0GY M 031TF                    18510026      00807           -300          A JS
        SUSAP KFNTK5FR18   R      040         0  M     CA                    1851        + 01109                       A JS
        SUSAP KFNTK5FR18   R      050HAGEMK5EA0E       DF                                                              A JS
        SUSAP KFNTK5FR18   R      060POLARK5EA0EY   010TF                    1824        + 03000                       A JS
        SUSAP KFNTK5FR18   R      070POLARK5EA0EE  R   HM                    34250040    + 03000                       A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFNTK5GRW18    0078481851 N42581986W083443641+0200    +01992007650200421 50R
```

CITY AND STATE	ELEVATION: 782 TDZE: 776	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FLINT, MI	AIRPORT NAME: **BISHOP INTL**	**RNAV**	**RNAV (GPS) RWY 18, AMDT 1A** 13 NOVEMBER 2014	AMDT: **1**
				DATED: **08/27/2009**

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
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KFNTK5PR18    RW18 001 0000W18A0N4258198600W08344364080+019920300N4256507500W083443455001067504160004 20F400500472B4C59
        SUSAP KFNTK5PR18    RW18 002E      +02331+02331LPV       99514

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KFNTK5SRW18 K5PG               0   18018003125                                                                    M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 782 TDZE: 776	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FLINT, MI	AIRPORT NAME: BISHOP INTL	RNAV	RNAV (GPS) RWY 18, AMDT 1A 13 NOVEMBER 2014	AMDT: 1
				DATED: 08/27/2009

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.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BIRRS	BIRRS	010	IAF	IF		FB					
	BIRRS	JUBER	020		TF		FB	1.0	179.3(173.3T)	011.2	AA 03100	
	FIBIN	FIBIN	010	IAF	IF		FB					
	FIBIN	JUBER	020		TF		FB	1.0	275.2(269.2T)	005.0	AA 03100	
	JUBER	JUBER	010	IAF	HF	R	FO		185.1(179.1T)	004.0	AA 03100	
	OWOSO	OWOSO	010		IF		FB					
	OWOSO	NUPUE	020	IAF	TF		FB	2.0	056.7(050.7T)	013.5	AA 03100	
	OWOSO	JUBER	030		TF		FB	1.0	095.0(089.0T)	005.0	AA 03100	
		JUBER	010	FACF	IF		FB				AA 03100	
		CODAG	020	FAF	TF		FB	0.5	185.1(179.1T)	006.1	AA 02400	
		EVNEW	021	SDF	TF		FB	0.3	185.1(179.1T)	002.3	AA 01640 GS 01647	
		RW18	030	MAP	TF		FO	0.3	185.1(179.1T)	002.6	AT 00807	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		185.1(179.1T)		AA 01109	
	HAGEM	050		DF		FB					
	POLAR	060		TF		FO	1.0	182.4(176.4T)		AA 03000	
	POLAR	070		HM	R	FO		342.5(336.5T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BIRRS	N432026.48	W0834637.11	N4320.441	W08346.619
	CODAG	N430315.99	W0834442.61	N4303.267	W08344.710
	EVNEW	N430055.88	W0834439.68	N4300.931	W08344.661
	FIBIN	N430924.34	W0833800.44	N4309.406	W08338.007
	HAGEM	N425504.31	W0834432.38	N4255.072	W08344.540
	JUBER	N430919.94	W0834450.26	N4309.332	W08344.838
	NUPUE	N430915.13	W0835140.06	N4309.252	W08351.668
	OWOSO	N430042.44	W0840556.73	N4300.707	W08405.946
	POLAR	N425014.67	W0834407.58	N4250.245	W08344.126
	RW18	N425819.86	W0834436.41	N4258.331	W08344.607

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00765	42

QUALITY CHECKED

CITY AND STATE	ELEVATION: 782 TDZE: 776	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FLINT, MI	AIRPORT NAME: BISHOP INTL	RNAV	RNAV (GPS) RWY 18, AMDT 1A 13 NOVEMBER 2014	AMDT: 1
				DATED: 08/27/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MKG VORTAC	EATUN INT/MKG 21.00 DME	099.50 / 21.00	2500
VIO VOR/DME	EATUN INT/MKG 21.00 DME	355.20 / 20.02	2500

MISSED APPROACH

MAP: 4.72 MILES AFTER EATUN INT/MKG 21.00 DME OR AT MAHXY/MKG 16.28 DME FIX

CLIMB TO 2500 THEN RIGHT TURN ON HEADING 133.20 AND MKG R-100 TO EATUN INT/MKG 21.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 279.50 INBOUND.
CHART FAS OBST: 1177 TOWER 430646N/0853554W
FAC CROSSES MID POINT OF RWY 7-25.

1. PT L SIDE OF COURSE 099.50 OUTBOUND 2500 FT WITHIN 10 MILES OF EATUN (IAF)
2.
3. FAC 279.50 FAF EATUN INT/MKG 21.00 DME DIST FAF TO MAP 4.72 THLD
4. MIN. ALT EATUN 2500
8. MSA FROM: MKG VORTAC 2900

MAG VAR: 1W 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
CIRCLING	1480	1	705	1480	1	705		NA			NA				

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRAND RAPIDS ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 775 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
SPARTA, MI	PAUL C. MILLER-SPARTA	MKG	VOR-A, AMDT 4A 13 NOVEMBER 2014	AMDT 4
				DATE 06/30/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

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 13 NOVEMBER 2014

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
BAKER, MT	**ELEVATION: 2975** **TDZE: 2975** AIRPORT NAME: **BAKER MUNI**	**GPS**	**GPS RWY 31, ORIG-B, 07/02/2009**	SUP AMDT **ORIG-A** DATE **10/07/1999**

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
UMWEL INT	BKU NDB	162.96 / 17.72	6000

MISSED APPROACH

MAP: BKU NDB

CLIMB TO 5000 THEN CLIMBING LEFT TURN TO 6000 DIRECT BKU NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, LT, 122.23 INBOUND.
CHART FAS OBST: 3623 TOWER 462539N/1042048W
CHART CIRCLING ICON.
FAC CROSSES RWY C/L EXTENDED 2991 FROM THLD.

1. PT R SIDE OF COURSE 302.23 OUTBOUND 5000 FT WITHIN 10 MILES OF BKU NDB (IAF)
2.
3. FAC 122.23 FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: BKU NDB 5200

MAG VAR: 9E EPOCH YEAR:2015

MINIMUMS

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
S-13	3980	1 1/4	1006	3980	1 1/2	1006	3980	3	1006	3980	3	1006			
CIRCLING	3980	1 1/4	999	3980	1 1/2	999	3980	3	999	3980	3	999			

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: NIGHT LANDING: RWY 13 NA.
CHART NOTE: HELICPOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

@ CAT A, B 1000-2, CAT C, D 1000-3

CITY AND STATE	ELEVATION: 2981 TDZE: 2974	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
BAKER, MT	AIRPORT NAME: BAKER MUNI	BKU	NDB RWY 13, ORIG-C 13 NOVEMBER 2014	AMDT ORIG-B
				DATE 11/06/2012

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
UMWEL INT	BKU NDB	162.96 / 17.72	6000

MISSED APPROACH

MAP: BKU NDB

CLIMB TO 5000 THEN CLIMBING LEFT TURN TO 6000 DIRECT BKU NDB AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 315.10 INBOUND.
CHART FAS OBST: 3525 WINDMILL 461613N/1041149W
CHART CIRCLING ICON.
FAC CROSSES RWY C/L EXTENDED 2996 FROM THLD.

1. PT L SIDE OF COURSE 135.10 OUTBOUND 5000 FT WITHIN 10 MILES OF BKU NDB (IAF)
2.
3. FAC 315.10 FAF DIST FAF TO MAP THLD
4. MIN. ALT
8. MSA FROM: BKU NDB 5200

MAG VAR: 9E EPOCH YEAR:2015

MINIMUMS

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
S-31	3880	1 1/4	899	3880	1 1/4	899	3880	2 1/2	899	3880	2 1/2	899			
CIRCLING	3880	1 1/4	899	3880	1 1/4	899	3880	2 3/4	899	3880	3	899			

NOTES:

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

@ CAT A, B 900-2, CAT C 900-2 3/4, CAT D 900-3

CITY AND STATE	ELEVATION: 2981 TDZE: 2981	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
BAKER, MT	AIRPORT NAME: BAKER MUNI	BKU	NDB RWY 31, ORIG-C 13 NOVEMBER 2014	AMDT ORIG-B
				DATE 11/07/2012

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
DIXLE	MAGYE (FB)	303.52 / 53.78	8000
MAGYE (IAF)	EQUIN (FB)	302.61 / 13.53	5400
EQUIN (IF)	BAIKE (FB)	308.84 / 5.00	4700
BAIKE (FAF)	AIMED/2.80 NM TO RW31 (FB)	308.78 / 2.51	
AIMED/2.80 NM TO RW31	RW31 (MAP) (FO)	308.78 / 2.80	
RW31 (MAP)	3500 MSL	308.78	3500
3500 MSL	KIXCO (FO)		6000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 3500 THEN CLIMBING RIGHT TURN 6000 DIRECT KIXCO AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT EQUIN
3. FAC: 308.78 FAF: BAIKE DIST FAF TO MAP: 5.31 THLD: 5.31
4. MIN. ALT: EQUIN 5400, BAIKE 4700, AIMED/2.80 NM TO RW31 3900*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4700 GS ALT AT: BAIKE 4700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 30.0 34:1 IS CLEAR
8. MSA FROM: RW31 5300

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 062.00 INBOUND.
CHART FAS OBST: 3100 VERT STRUCT
461859N/1041347W
DISTANCE TO THLD FROM 250 HAT: 0.69 NM.
CHART VDP AT 1.10 MILES TO RW31*
*LNAV ONLY.
WAAS CHANNEL # 50138
REFERENCE PATH ID: W31A
CHART CIRCLING ICON.
CHART 3299 POLE 461806N/1041240W.
LTP HAE: 893 M

MAG VAR: 9E EPOCH YEAR: 2015

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3231	7/8	250	3231	7/8	250	3231	7/8	250	3231	7/8	250			
LNAV/VNAV DA	3267	1	286	3267	1	286	3267	1	286	3267	1	286			
LNAV MDA	3360	1	379	3360	1	379	3360	1	379	3360	1	379			
CIRCLING	3540	1	559	3540	1	559	3620	1 3/4	639	3820	2 3/4	839			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 54C (130F) OR ABOVE -27C (-16F). @ CAT D 900-2 3/4
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DIXLE ON V491 SOUTHBOUND AND ON V120 EASTBOUND.

CITY AND STATE	ELEVATION: 2981 TDZE: 2981	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BAKER, MT	AIRPORT NAME: BAKER MUNI	RNAV	RNAV (GPS) RWY 31, ORIG 13 NOVEMBER 2014	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	KBHK
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	462026.2560N
LTP/FTP LONGITUDE	1041500.8825W
LTP/FTP ELLIPSOIDAL HEIGHT	+08930
FPAP LATITUDE	462132.1470N
FPAP LONGITUDE	1041627.4290W
THRESHOLD CROSSING HEIGHT (TCH)	00030.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0952
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	5A06A889

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+09085
FPAP ORTHOMETRIC HEIGHT	+09085

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ARINC PACKET - 424-18 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   AIMED K10    W     N46182197W104121785                    E0085     NAR           AIMED
          SUSAEAENRT   BAIKE K10    W     N46163050W104095189                    E0085     NAR           BAIKE
          SUSAEAENRT   DIXLE K30    C   L N45274424W102533212                    E0077     NAR           DIXLE
          SUSAEAENRT   EQUIN K10    W     N46124829W104050159                    E0085     NAR           EQUIN
          SUSAEAENRT   KIXCO K10    W   H N46355571W104352672                    E0088     NAR           KIXCO
          SUSAEAENRT   MAGYE K30    W     N46035036W103502778                    E0083     NAR           MAGYE

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------------------
          SUSAP KBHKK1ABHK     0     059YHN46204780W104152920E009002981         1800018000C    MNAR    BAKER MUNI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------------------
          SUSAP KBHKK1FR31   ADIXLE 010DIXLEK3EA0E       IF                                                18000                A JS
          SUSAP KBHKK1FR31   ADIXLE 020MAGYEK3EA0E  A 020TF                    30350538    + 08000                                A JS
          SUSAP KBHKK1FR31   ADIXLE 030EQUINK1EA0EE B 010TF                    30260135    + 05400                                A JS
          SUSAP KBHKK1FR31   R       010EQUINK1EA0E  I    IF                              + 05400     18000                      A JS
          SUSAP KBHKK1FR31   R       020BAIKEK1EA1E  F 051TF                  30880050    + 04700                 RW31  K1PGA JS
          SUSAP KBHKK1FR31   R       020BAIKEK1EA2WALPV       ALNAV/VNAV ALNAV                                                  JS
          SUSAP KBHKK1FR31   R       021AIMEDK1EA0E S  031TF                  30880025    V 0390003901       -300           A JS
          SUSAP KBHKK1FR31   R       030RW31 K1PG0GY M 031TF                  30880028      03011            -300           A JS
          SUSAP KBHKK1FR31   R       040         0  M     CA                  3088        + 03500                           A JS
          SUSAP KBHKK1FR31   R       050KIXCOK1EA0EY  R   DF                              + 06000                           A JS
          SUSAP KBHKK1FR31   R       060KIXCOK1EA0EE  R   HM                  06200050    + 06000                           A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------------------
          SUSAP KBHKK1GRW31    0059043087 N46202626W104150088-0300    +0893002981000030075R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------------------
          SUSAP KBHKK1PR31   RW31 001 0000W31A0N4620262560W10415008825+089300300N4621321470W1041627429010675095200030 0F4005005A06A889
          SUSAP KBHKK1PR31   RW31 002E      +09085+09085LPV       50138

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

CITY AND STATE	ELEVATION: **2981** **TDZE: 2981**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BAKER, MT	AIRPORT NAME: **BAKER MUNI**	**RNAV**	**RNAV (GPS) RWY 31, ORIG** 13 NOVEMBER 2014	AMDT: **NONE**
				DATED:

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

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

```
SUSAP KBHKK1SRW31 K1PG          0   18018005325                                    M
```

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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
	DIXLE	DIXLE	010		IF		FB					
	DIXLE	MAGYE	020	IAF	TF		FB	2.0	303.5(312.5T)	053.8	AA 08000	
	DIXLE	EQUIN	030		TF		FB	1.0	302.6(311.6T)	013.5	AA 05400	
		EQUIN	010	FACF	IF		FB				AA 05400	
		BAIKE	020	FAF	TF		FB	0.5	308.8(317.8T)	005.0	AA 04700	
		AIMED	021	SDF	TF		FB	0.3	308.8(317.8T)	002.5	AA 03900 GS 03901	
		RW31	030	MAP	TF		FO	0.3	308.8(317.8T)	002.8	AT 03011	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		308.8(317.8T)		AA 03500	
	KIXCO	050		DF	R	FO				AA 06000	
	KIXCO	060		HM	R	FO		062.0(071.0T)	005.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AIMED	N461821.97	W1041217.85	N4618.366	W10412.298
	BAIKE	N461630.50	W1040951.89	N4616.508	W10409.865
	DIXLE	N452744.24	W1025332.12	N4527.737	W10253.535
	EQUIN	N461248.29	W1040501.59	N4612.805	W10405.027
	KIXCO	N463555.71	W1043526.72	N4635.929	W10435.445
	MAGYE	N460350.36	W1035027.78	N4603.839	W10350.463
	RW31	N462026.26	W1041500.88	N4620.438	W10415.015

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	02981	30

CITY AND STATE	ELEVATION: 2981 TDZE: 2981	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BAKER, MT	AIRPORT NAME: **BAKER MUNI**	**RNAV**	**RNAV (GPS) RWY 31, ORIG** 13 NOVEMBER 2014	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
BAKER, MT	BAKER MUNI	13 NOVEMBER 2014	1

TAKEOFF MINIMUMS:

RWY 13, NA ENVIRONMENTAL.
RWY 31, STANDARD

TEXTUAL DEPARTURE PROCEDURES:

RWY 31, CLIMBING RIGHT TURN HEADING 010 TO 9000 ON 343 BEARING FROM BKU NDB TO UMWEL INT AND HOLD, CONTINUE CLIMB IN HOLD (NORTH, RT, 162.96 INBOUND) TO 9000. EXPECT FURTHER INSTRUCTIONS FROM ATC.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 31, FENCE 168 FT FROM DER, 498 FT LEFT OF CENTERLINE, 6 FT AGL/ 2967 FT MSL. STRUCTURE 173 FT FROM DER, 499 FT LEFT OF CENTERLINE, 10 FT AGL/ 2974 FT MSL. WINDSOCK ON BUILDING 1015 FT FROM DER, 727 FT LEFT OF CENTERLINE, 37 FT AGL/ 2998 FT MSL. ROD ON ANTENNA 3832 FT FROM DER, 136 FT LEFT OF CENTERLINE, 112 FT AGL/ 3073 FT MSL.

CONTROLLING OBSTACLES:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
BAKER, MT	BAKER MUNI	13 NOVEMBER 2014	1

REMARKS:

AVERAGE VEGETATION 45' PER FPT.

FLIGHT INSPECTED BY:

Anthony Ramsey 7/30/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JILL OLSON
(MICAH DOEDEN) AJV-353 4/16/14

APPROVED BY:

GEORGE GONZALEZ AJV-353 8-26-14

COORDINATED WITH:

ALPA, AOPA, NBAA, CENTRAL FPT, ATO.

CHANGES:

1. UPDATED TAKEOFF OBSTACLE NOTES.
2. ADDED ROUTE.
3. ADDED AVERAGE VEGETATION REMARK.

REASONS:

1. NEW OBSTACLE SURVEY.
2. ROUTE REQUESTED BY ATC PER FPT CHECKLIST.
3. PER FPT CHECKLIST.

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
ISO VORTAC	STALS LOM	227.11 / 10.25	2100
BEULA/ISO VORTAC 26.98 DME	STALS LOM	008.44 / 18.52	2100
WALLO INT	STALS LOM	039.67 / 25.57	2100
ESTER INT	STALS LOM	165.91 / 15.40	2100

MISSED APPROACH

ILS: DA
LOC: 5.98 MILES AFTER STALS LOM

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2100 DIRECT STALS LOM AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2500 ON HEADING 110.00 AND ON ISO VORTAC R-130 TO WILUN/ISO 10.00 DME AND HOLD. (DME REQUIRED).

ADDITIONAL FLIGHT DATA:
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW WILUN/ISO 10.00 DME, RT, 130.00 INBOUND.
CHART FAS OBST: 390 TOWER 351655N/0773905W
CHART IN PLANVIEW: WILUN/ISO 10.00 DME.
CHART CIRCLING ICON.
CHART IN PLANVIEW: (CFBMT) AT 351135.77N/0774520.16W.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. **HOLD SW STALS LOM, RT, 050.10 INBOUND, 2100 FT. IN LIEU OF PT (IAF)**
3. FAC: **050.10** FAF: **STALS LOM** DIST FAF TO MAP: **5.98** THLD: **5.98**
4. MIN. ALT: **STALS LOM 2100**
5. DIST TO THLD FROM OM: **5.98** MM: **-** IM: **-** 150 HAT: **-** 100 HAT: **-** GS ANT: **1127**
6. MIN GS INCPT: **2100** GS ALT AT: **-** OM: **2090** MM: **-** IM: **-**
7. GS ANGLE: **3.00** TCH: **58.8**
8. MSA FROM: **IS LOM 3100**

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

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 05	293	2400	200	293	2400	200	293	2400	200	293	2400	200			
S-LOC 05	640	2400	547	640	2400	547	640	6000	547	640	6000	547			
CIRCLING	640	1	547	640	1	547	700	1 3/4	607	740	2	647			

NOTES:
CHART NOTE: ADF REQUIRED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SEYMOUR JOHNSON AFB ALTIMETER SETTING AND INCREASE DA TO 336; INCREASE ALL MDA 60 FT AND S-LOC 5 CATS C AND D VISIBILITY 1/8 MILE AND CIRCLING CAT D VISIBILITY 1/4 MILE.
(SEE FORM 8260-10)

#@ NA WHEN CONTROL TOWER CLOSED.
 # CAT C 700-2, CAT D 700-2
 # @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 93 TDZE: 93	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
KINSTON, NC	AIRPORT NAME: **KINSTON RGNL JETPORT AT STALLINGS FLD**	**I-ISO**	**ILS OR LOC RWY 5, AMDT 12** 13 NOVEMBER 2014	AMDT: **11** DATED **05/29/2014**

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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: FOR INOPERATIVE MALSR, INCREASE S-LOC 5 CATS C AND D VISIBILITY TO 1 5/8 MILE.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING SEYMOUR JOHNSON AFB ALTIMETER SETTING, INCREASE S-LOC 5 CATS C AND D VISIBILITY TO 1 3/4 MILE.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
KINSTON, NC	**ELEVATION: 93** **TDZE: 93** AIRPORT NAME: **KINSTON RGNL JETPORT AT STALLINGS FLD**	**I-ISO**	**ILS OR LOC RWY 5, AMDT 12** 13 NOVEMBER 2014	AMDT: **11** DATED: **05/29/2014**

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  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ISO   K7010960VTL  N35221544W077333001    N35221544W077333001W0050001061     NARKINSTON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BEULA K70    C   L N34560489W077414051                      W0096     NAR           BEULA
        SUSAEAENRT   ESTER K70    C   L N35284904W077491729                      W0096     NAR           ESTER
        SUSAEAENRT   WALLO K70    C   L N34523524W077574489                      W0094     NAR           WALLO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KISOK7AISO     0     115YHN35195320W077363180W009000093         1800018000C    MNAR    KINSTON RGNL JETPORT AT STALLI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
TRM WP  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KISOK7CCFBMT K70    W     N35113577W077452016                      W0096     NAR           CNF(CFBMT)
        SUSAP KISOK7CSTALS K70    W     N35144342W077420112                      W0096     NAR           STALS LOM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KISOK7FI05   ABEULA 010BEULAK7EA0E       IF                                                18000                0 NS
        SUSAP KISOK7FI05   ABEULA 020IS   K7PN0NY      TF                                          + 02100                    0 NS
        SUSAP KISOK7FI05   ABEULA 030IS   K7PN0NE AR   HF IISOK7      229200800501T010PI  + 02100                    0 NS
        SUSAP KISOK7FI05   AESTER 010ESTERK7EA0E       IF                                                18000                0 NS
        SUSAP KISOK7FI05   AESTER 020IS   K7PN0NY      TF                                          + 02100                    0 NS
        SUSAP KISOK7FI05   AESTER 030IS   K7PN0NE AR   HF IISOK7      229200800501T010PI  + 02100                    0 NS
        SUSAP KISOK7FI05   AISO   010ISO  K7D 0V       IF                                                18000                0 NS
        SUSAP KISOK7FI05   AISO   020IS   K7PN0NY      TF                                          + 02100                    0 NS
        SUSAP KISOK7FI05   AISO   030IS   K7PN0NE AR   HF IISOK7      229200800501T010PI  + 02100                    0 NS
        SUSAP KISOK7FI05   AWALLO 010WALLOK7EA0E       IF                                                18000                0 NS
        SUSAP KISOK7FI05   AWALLO 020IS   K7PN0NY      TF                                          + 02100                    0 NS
        SUSAP KISOK7FI05   AWALLO 030IS   K7PN0NE AR   HF IISOK7      229200800501T010PI  + 02100                    0 NS
        SUSAP KISOK7FI05   I      010CFBMTK7PC0E  I    IF IISOK7      23010121        PI  J 021000210018000                0 NS
        SUSAP KISOK7FI05   I      020STALSK7PC0E  F    CF IISOK7      2301008005000041PI  H 0210002090        -300IS    K7PN0 NS
        SUSAP KISOK7FI05   I      030RW05 K7PG0GY M    CF IISOK7      2301002005000060PI    00152             -300          0 NS
        SUSAP KISOK7FI05   I      040         0  M     CA                     0501        + 00600                    0 NS
        SUSAP KISOK7FI05   I      050IS   K7PN0NY  R   DF                                          + 02100                    0 NS
        SUSAP KISOK7FI05   I      060IS   K7PN0NE  R   HM                     0501T010    + 02100                    0 NS
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 93 TDZE: 93	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KINSTON, NC	AIRPORT NAME: KINSTON RGNL JETPORT AT STALLINGS FLD	I-ISO	ILS OR LOC RWY 5, AMDT 12 13 NOVEMBER 2014	AMDT: 11 DATED: 05/29/2014

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KISOK7GRW05     0115000501 N35191433W077371314+0000     -0007600093054059150IIISO1

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KISOK7IIISO1    011130RW05 N35204383W077353783050lN35192548W0773708051049 11270334300W00905900089

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KISOK7SIS    K7PN               0    18018003125                                                          M

          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAPNKISOK7 IS     K7002760HOLW N35143797W077415419                    W0090           NARSTALS
```

CITY AND STATE	ELEVATION: 93 TDZE: 93	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KINSTON, NC	AIRPORT NAME: KINSTON RGNL JETPORT AT STALLINGS FLD	I-ISO	ILS OR LOC RWY 5, AMDT 12 13 NOVEMBER 2014	AMDT: 11 DATED: 05/29/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BEULA	BEULA	010		IF		FB					
	BEULA	IS	020		TF		FO				AA 02100	
	BEULA	IS	030	IAF	HF	R	FO		050.1()	T01.0	AA 02100	
	ESTER	ESTER	010		IF		FB					
	ESTER	IS	020		TF		FO				AA 02100	
	ESTER	IS	030	IAF	HF	R	FO		050.1()	T01.0	AA 02100	
	ISO	ISO	010		IF		FB					
	ISO	IS	020		TF		FO				AA 02100	
	ISO	IS	030	IAF	HF	R	FO		050.1()	T01.0	AA 02100	
	WALLO	WALLO	010		IF		FB					
	WALLO	IS	020		TF		FO				AA 02100	
	WALLO	IS	030	IAF	HF	R	FO		050.1()	T01.0	AA 02100	
		CFBMT	010	FACF	IF		FB				AA 02100 GI 02100	
		STALS	020	FAF	CF		FB		050.0()	004.1	GI 02100 GS 02090	
		RW05	030	MAP	CF		FO		050.0()	006.0	AT 00152	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		050.1()		AA 00600	
	IS	050		DF	R	FO				AA 02100	
	IS	060		HM	R	FO		050.1()	T01.0	AA 02100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ISO	N352215.44	W0773330.01	N3522.257	W07733.500
	BEULA	N345604.89	W0774140.51	N3456.082	W07741.675
	ESTER	N352849.04	W0774917.29	N3528.817	W07749.288
	WALLO	N345235.24	W0775744.89	N3452.587	W07757.748
	CFBMT	N351135.77	W0774520.16	N3511.596	W07745.336
	STALS	N351443.42	W0774201.12	N3514.724	W07742.019
	RW05	N351914.33	W0773713.14	N3519.239	W07737.219
	IISO (LOC)	N352043.83	W0773537.83	N3520.731	W07735.631
	IS	N351437.97	W0774154.19	N3514.633	W07741.903

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	00093	59

2

CITY AND STATE	ELEVATION: 93 TDZE: 93 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KINSTON, NC	**KINSTON RGNL JETPORT AT STALLINGS FLD**	**I-ISO**	**ILS OR LOC RWY 5, AMDT 12** 13 NOVEMBER 2014	AMDT: **11**
				DATED: **05/29/2014**

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        ISO   K7010960VTL  N35221544W077333001    N35221544W077333001W0050001061     NARKINSTON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BEULA K70    C   L N34560489W077414051                      W0096     NAR           BEULA
        SUSAEAENRT   ESTER K70    C   L N35284904W077491729                      W0096     NAR           ESTER
        SUSAEAENRT   WALLO K70    C   L N34523524W077574489                      W0094     NAR           WALLO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KISOK7AISO     0     115YHN35195320W077363180W009000093         1800018000C    MNAR    KINSTON RGNL JETPORT AT STALLI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
TRM WP  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KISOK7CCFBMT K70    W     N35113577W077452016                      W0096     NAR           CNF(CFBMT)
        SUSAP KISOK7CSTALS K70    W     N35144342W077420112                      W0096     NAR           STALS LOM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KISOK7FL05   ABEULA 010BEULAK7EA0E       IF                                                18000                 0 NS
        SUSAP KISOK7FL05   ABEULA 020IS   K7PN0NY      TF                                     + 02100                          0 NS
        SUSAP KISOK7FL05   ABEULA 030IS   K7PN0NE AR   HF IISOK7      229200800501T010PI  + 02100                          0 NS
        SUSAP KISOK7FL05   AESTER 010ESTERK7EA0E       IF                                                18000                 0 NS
        SUSAP KISOK7FL05   AESTER 020IS   K7PN0NY      TF                                     + 02100                          0 NS
        SUSAP KISOK7FL05   AESTER 030IS   K7PN0NE AR   HF IISOK7      229200800501T010PI  + 02100                          0 NS
        SUSAP KISOK7FL05   AISO   010ISO  K7D 0V       IF                                                18000                 0 NS
        SUSAP KISOK7FL05   AISO   020IS   K7PN0NY      TF                                     + 02100                          0 NS
        SUSAP KISOK7FL05   AISO   030IS   K7PN0NE AR   HF IISOK7      229200800501T010PI  + 02100                          0 NS
        SUSAP KISOK7FL05   AWALLO 010WALLOK7EA0E       IF                                                18000                 0 NS
        SUSAP KISOK7FL05   AWALLO 020IS   K7PN0NY      TF                                     + 02100                          0 NS
        SUSAP KISOK7FL05   AWALLO 030IS   K7PN0NE AR   HF IISOK7      229200800501T010PI  + 02100                          0 NS
        SUSAP KISOK7FL05   L      010CFBMTK7PC0E  I    IF IISOK7      23010121        PI  + 02100     18000                 0 NS
        SUSAP KISOK7FL05   L      020STALSK7PC0E  F    CF IISOK7      2301008005000041PI  + 02100                IS    K7PN0 NS
        SUSAP KISOK7FL05   L      030RW05 K7PG0GY M    CF IISOK7      2301002005000060PI    00152             -307          0 NS
        SUSAP KISOK7FL05   L      040         0  M     CA                      0501        + 00600                          0 NS
        SUSAP KISOK7FL05   L      050IS   K7PN0NY  R   DF                                     + 02100                          0 NS
        SUSAP KISOK7FL05   L      060IS   K7PN0NE  R   HM                      0501T010    + 02100                          0 NS
```

CITY AND STATE	ELEVATION: 93 TDZE: 93	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KINSTON, NC	AIRPORT NAME: KINSTON RGNL JETPORT AT STALLINGS FLD	I-ISO	ILS OR LOC RWY 5, AMDT 12 13 NOVEMBER 2014	AMDT: 11 DATED: 05/29/2014

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

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KISOK7GRW05     0115000501 N35191433W077371314+0000     -0007600093054059150IIISO1

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KISOK7IIISO1    011130RW05 N35204383W077353783050lN35192548W0773708051049 11270334300W00905900089

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KISOK7SIS    K7PN               0    18018003125                                                          M

          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAPNKISOK7 IS     K7002760HOLW N35143797W077415419                      W0090          NARSTALS
```

CITY AND STATE	ELEVATION: 93 TDZE: 93	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KINSTON, NC	AIRPORT NAME: KINSTON RGNL JETPORT AT STALLINGS FLD	I-ISO	ILS OR LOC RWY 5, AMDT 12 13 NOVEMBER 2014	AMDT: 11 DATED: 05/29/2014

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
	BEULA	BEULA	010		IF		FB					
	BEULA	IS	020		TF		FO				AA 02100	
	BEULA	IS	030	IAF	HF	R	FO		050.1()	T01.0	AA 02100	
	ESTER	ESTER	010		IF		FB					
	ESTER	IS	020		TF		FO				AA 02100	
	ESTER	IS	030	IAF	HF	R	FO		050.1()	T01.0	AA 02100	
	ISO	ISO	010		IF		FB					
	ISO	IS	020		TF		FO				AA 02100	
	ISO	IS	030	IAF	HF	R	FO		050.1()	T01.0	AA 02100	
	WALLO	WALLO	010		IF		FB					
	WALLO	IS	020		TF		FO				AA 02100	
	WALLO	IS	030	IAF	HF	R	FO		050.1()	T01.0	AA 02100	
		CFBMT	010	FACF	IF		FB				AA 02100	
		STALS	020	FAF	CF		FB		050.0()	004.1	AA 02100	
		RW05	030	MAP	CF		FO		050.0()	006.0	AT 00152	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		050.1()		AA 00600	
	IS	050		DF	R	FO				AA 02100	
	IS	060		HM	R	FO		050.1()	T01.0	AA 02100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ISO	N352215.44	W0773330.01	N3522.257	W07733.500
	BEULA	N345604.89	W0774140.51	N3456.082	W07741.675
	ESTER	N352849.04	W0774917.29	N3528.817	W07749.288
	WALLO	N345235.24	W0775744.89	N3452.587	W07757.748
	CFBMT	N351135.77	W0774520.16	N3511.596	W07745.336
	STALS	N351443.42	W0774201.12	N3514.724	W07742.019
	RW05	N351914.33	W0773713.14	N3519.239	W07737.219
	IISO (LOC)	N352043.83	W0773537.83	N3520.731	W07735.631
	IS	N351437.97	W0774154.19	N3514.633	W07741.903

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	00093	59

CITY AND STATE	ELEVATION: 93 TDZE: 93	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KINSTON, NC	AIRPORT NAME: **KINSTON RGNL JETPORT AT STALLINGS FLD**	**I-ISO**	**ILS OR LOC RWY 5, AMDT 12** 13 NOVEMBER 2014	AMDT: **11**
				DATED: **05/29/2014**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PROVE	ADKAW (FO)	279.78 / 11.72	4600
INGON	ADKAW (FO)	330.81 / 5.42	4100
FREON (IAF)	ADKAW (NOPT) (FB)	201.71 / 15.68	4100
ADKAW (IF/IAF)	GASTN (FB)	151.54 / 6.14	2700
GASTN (FAF)	RW15 (MAP) (FO)	151.59 / 5.19	
RW15 (MAP)	1369 MSL	151.59	
1369 MSL	COLEB (FB)		
COLEB	GSO VORTAC (FO)	102.08 / 8.79	3000

MISSED APPROACH

LNAV: RW15

CLIMB TO 3000 DIRECT COLEB AND ON TRACK 102.08 TO GSO VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 107.00 INBOUND.
CHART FAS OBST: 1173 TWR 361016N/0801519W
CHART 1197 TOWER 361230N/0801742W.
REFERENCE PATH ID: W15A
GASTN TO RW15: 3.00/56.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW ADKAW, RT, 151.54 INBOUND, 4100 FT. IN LIEU OF PT (IAF)
3. FAC: 151.59 FAF: GASTN DIST FAF TO MAP: 5.19 THLD: 5.19
4. MIN. ALT: ADKAW 4100, GASTN 2700
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: RW15 4100

MAG VAR: 7W 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
LNAV MDA	1440	1	472	1440	1	472	1440	1 3/8	472	1440	1 3/8	472			
CIRCLING	1480	1	511	1480	1	511	1520	1 1/2	551	1700	2 1/4	731			

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FREON ON V222 NORTHEAST BOUND.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
(SEE FORM 8260-10)

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

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 969 TDZE: 968	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
WINSTON SALEM, NC	AIRPORT NAME: SMITH REYNOLDS	RNAV	RNAV (GPS) RWY 15, AMDT 1A 13 NOVEMBER 2014	AMDT: 1
				DATED 01/13/2011

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NOTES, (CONT.):
CHART NOTE: NIGHT LANDING: RWY 4, 15, 22 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PIEDMONT TRIAD INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND CIRCLING CAT D VISIBILITY 1/4 MILE.

QUALITY 4 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
WINSTON SALEM, NC	**ELEVATION: 969** **TDZE: 968** AIRPORT NAME: **SMITH REYNOLDS**	**RNAV**	**RNAV (GPS) RWY 15, AMDT 1A** 13 NOVEMBER 2014	SUP: AMDT: **1** DATED: **01/13/2011**

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 (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        GSO   K7011620VTHA N36024449W079583495    N36024449W079583495W0030009092     NARGREENSBORO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ADKAW K70    W     N36172958W080213724                    W0082     NAR           ADKAW
        SUSAEAENRT   COLEB K70    W     N36033173W080092289                    W0082     NAR           COLEB
        SUSAEAENRT   FREON K70    C   L N36324103W080164159                    W0083     NAR           FREON
        SUSAEAENRT   GASTN K70    W     N36122914W080171327                    W0082     NAR           GASTN
        SUSAEAENRT   INGON K70    C   L N36130699W080173989                    W0082     NAR           INGON
        SUSAEAENRT   PROVE K70    C   L N36165632W080070827                    W0083     NAR           PROVE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KINTK7AINT     0     066YHN36080137W080131916W007000969         1800018000C    MNAR    SMITH REYNOLDS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KINTK7FR15   AFREON 010FREONK7EA0E  A    IF                                          18000                B JS
        SUSAP KINTK7FR15   AFREON 020ADKAWK7EA0EE B 010TF                    20170157    + 04100                      B JS
        SUSAP KINTK7FR15   AINGON 010INGONK7EA0E       IF                                          18000                B JS
        SUSAP KINTK7FR15   AINGON 020ADKAWK7EA0EY   020TF                    33080054    + 04100                      B JS
        SUSAP KINTK7FR15   AINGON 030ADKAWK7EA0EE AR   HF                    15150050    + 04100                      B JS
        SUSAP KINTK7FR15   APROVE 010PROVEK7EA0E       IF                                          18000                B JS
        SUSAP KINTK7FR15   APROVE 020ADKAWK7EA0EY   020TF                    27980117    + 04600                      B JS
        SUSAP KINTK7FR15   APROVE 030ADKAWK7EA0EE AR   HF                    15150050    + 04100                      B JS
        SUSAP KINTK7FR15   R      010ADKAWK7EA0E  I    IF                                + 04100     18000            B JS
        SUSAP KINTK7FR15   R      020GASTNK7EA1E  F 051TF                    15150061    + 02700                RW15  K7PGB JS
        SUSAP KINTK7FR15   R      020GASTNK7EA2WN          N          ALNAV                                            JS
        SUSAP KINTK7FR15   R      030RW15 K7PG0GY M 031TF                    15160052      01024           -300       B JS
        SUSAP KINTK7FR15   R      040         0  M     CA                    1516        + 01369                      B JS
        SUSAP KINTK7FR15   R      050COLEBK7EA0E       DF                                                           B JS
        SUSAP KINTK7FR15   R      060GSO  K7D 0VY   010TF                    1021        + 03000                      B JS
        SUSAP KINTK7FR15   R      070GSO  K7D 0VE  R   HM                    10700040    + 03000                      B JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KINTK7GRW15    0066551516 N36081498W080133052-1000    +0262200968058556150R
```

QUALITY 4

CHECKED

CITY AND STATE	ELEVATION: **969** **TDZE: 968**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WINSTON SALEM, NC	AIRPORT NAME: **SMITH REYNOLDS**	**RNAV**	**RNAV (GPS) RWY 15, AMDT 1A** 13 NOVEMBER 2014	AMDT: **1**
				DATED: **01/13/2011**

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```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KINTK7SRW15 K7PG               0   18018004125                                                              M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 969 TDZE: 968	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WINSTON SALEM, NC	AIRPORT NAME: SMITH REYNOLDS	RNAV	RNAV (GPS) RWY 15, AMDT 1A 13 NOVEMBER 2014	AMDT: 1 DATED: 01/13/2011

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FREON	FREON	010	IAF	IF		FB					
	FREON	ADKAW	020		TF		FB	1.0	201.7(194.7T)	015.7	AA 04100	
	INGON	INGON	010		IF		FB					
	INGON	ADKAW	020		TF		FO	2.0	330.8(323.8T)	005.4	AA 04100	
	INGON	ADKAW	030	IAF	HF	R	FO		151.5(144.5T)	005.0	AA 04100	
	PROVE	PROVE	010		IF		FB					
	PROVE	ADKAW	020		TF		FO	2.0	279.8(272.8T)	011.7	AA 04600	
	PROVE	ADKAW	030	IAF	HF	R	FO		151.5(144.5T)	005.0	AA 04100	
		ADKAW	010	FACF	IF		FB				AA 04100	
		GASTN	020	FAF	TF		FB	0.5	151.5(144.5T)	006.1	AA 02700	
		RW15	030	MAP	TF		FO	0.3	151.6(144.6T)	005.2	AT 01024	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		151.6(144.6T)		AA 01369	
	COLEB	050		DF		FB					
	GSO	060		TF		FO	1.0	102.1(095.1T)		AA 03000	
	GSO	070		HM	R	FO		107.0(100.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GSO	N360244.49	W0795834.95	N3602.742	W07958.583
	ADKAW	N361729.58	W0802137.24	N3617.493	W08021.621
	COLEB	N360331.73	W0800922.89	N3603.529	W08009.382
	FREON	N363241.03	W0801641.59	N3632.684	W08016.693
	GASTN	N361229.14	W0801713.27	N3612.486	W08017.221
	INGON	N361306.99	W0801739.89	N3613.117	W08017.665
	PROVE	N361656.32	W0800708.27	N3616.939	W08007.138
	RW15	N360814.98	W0801330.52	N3608.250	W08013.509

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW15	00968	56

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: **969**	**TDZE: 968**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
WINSTON SALEM, NC	AIRPORT NAME: **SMITH REYNOLDS**		**RNAV**	**RNAV (GPS) RWY 15, AMDT 1A** 13 NOVEMBER 2014	AMDT: **1**
					DATED: **01/13/2011**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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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 13 NOVEMBER 2014

CITY AND STATE	ELEVATION: 2413 TDZE: 2413	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
LEXINGTON, NE	AIRPORT NAME: JIM KELLY FIELD	OZB	VOR RWY 14, AMDT 4, 09/30/2004	AMDT 3
				DATE 12/04/1997

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

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BSV VOR/DME	AK LOM	009.88 / 19.83	3000
RITZS INT	AK LOM	083.61 / 16.58	3100

MISSED APPROACH

MAP: 3.65 MILES AFTER AK LOM

CLIMB TO 3000 ON HEADING 249.04 AND ON BSV VOR/DME R-322 TO RITZS INT AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1900 THEN CLIMBING RIGHT TURN TO 3000 DIRECT AKRON LOM AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 322.41 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E AKRON LOM, RT, 249.04 INBOUND.
CHART FAS OBST: 1304 TOWER 410425N/0812439W
OBST: 1388 AAO 410303N/0812233W
AKRON LOM TO RW25: 3.09/45.
CHART CIRCLING ICON

1. PT R SIDE OF COURSE 069.04 OUTBOUND 3000 FT WITHIN 10 MILES OF AK LOM (IAF)
2.
3. FAC 249.04 FAF AK LOM DIST FAF TO MAP 3.65 THLD 3.65
4. MIN. ALT AK LOM 2300
8. MSA FROM: AK LOM 3100

MAG VAR: 7W EPOCH YEAR:1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-25	1660	1	601	1660	1	601	1660	1 3/4	601	1660	1 3/4	601			
CIRCLING	1660	1	592	1680	1	612	1800	2	732	1840	2 1/2	772			

NOTES:

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AKRON-CANTON RGNL ALTIMETER SETTING AND (SEE FORM 8260-10)

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

CITY AND STATE	ELEVATION: 1068 THRE: 1059	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP NDB OR GPS RWY 25
AKRON, OH	AIRPORT NAME: AKRON FULTON INTL	AK	NDB RWY 25, AMDT 14 13 NOVEMBER 2014	AMDT 13B
				DATE 04/08/2010

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

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NOTES, (CONT.):
INCREASE ALL MDA 40 FEET. INCREASE S-25 CAT C/D VISIBILITY TO 1 7/8 MILE, CIRCLING CAT C VISIBILITY TO 2 1/4 MILE, AND CIRCLING CAT D VISIBILITY TO 2 3/4 MILE.

CITY AND STATE	ELEVATION: 1068 THRE: 1059	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: NDB OR GPS RWY 25
AKRON, OH	AIRPORT NAME: AKRON FULTON INTL	AK	NDB RWY 25, AMDT 14 13 NOVEMBER 2014	AMDT: 13B
				DATED: 04/08/2010

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
OGVOE (IF/IAF)	IRAYO (FB)	249.10 / 6.50	2300
IRAYO (FAF)	ESPUQ/1.60 NM TO RW25 (FB)	249.02 / 2.16	
ESPUQ/1.60 NM TO RW25	RW25 (MAP) (FO)	249.02 / 1.60	
RW25 (MAP)	1468 MSL	249.02	
1468 MSL	AWNEV (FO)		3100

MISSED APPROACH

LP: RW25
LNAV: RW25

CLIMB TO 3100 DIRECT AWNEV AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 068.97 INBOUND.
CHART FAS OBST: 1258 TREE 410256N/0812603W
CHART FAS OBST: 1292 TANK 410242N/0812517W
OBST: 1399 AAO 410425N/0812314W
WAAS CHANNEL # 99735
REFERENCE PATH ID: W25A
CHART CIRCLING ICON
LTP HAE: 289.4 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E OGVOE, RT, 249.10 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 249.02 FAF: IRAYO DIST FAF TO MAP: 3.76 THLD: 3.76
4. MIN. ALT: OGVOE 3100, IRAYO 2300, ESPUQ/1.60 NM TO RW25 1600
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 7W EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1520	1	461	1520	1	461	1520	1 3/8	461	1520	1 3/8	461			
LNAV MDA	1560	1	501	1560	1	501	1560	1 3/8	501	1560	1 3/8	501			
CIRCLING	1600	1	532	1680	1	612	1800	2	732	1840	2 1/2	772			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART PROFILE NOTE: DESCENT ANGLE NA.
(SEE FORM 8260-10)

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

CITY AND STATE	ELEVATION: 1068 THRE: 1059 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
AKRON, OH	AKRON FULTON INTL	RNAV	RNAV (GPS) RWY 25, ORIG 13 NOVEMBER 2014	AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AKRON-CANTON RGNL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. INCREASE LNAV CAT C/D VISIBILITY TO 1 5/8 MILE, CIRCLING CAT C TO 2 1/4 MILE, AND CIRCLING CAT D TO 2 3/4 MILE.

TAA

	FROM	TO	ALT
1.	159/30 CW 339/30 (NOPT)	159/20 CW 339/20	3600
	159/20 CW 339/20	OGVOE (IF/IAF) (FB)	3100
2.	339/30 CW 159/30	OGVOE (IAF) (FO)	3100

CITY AND STATE	ELEVATION: 1068 THRE: 1059	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
AKRON, OH	AIRPORT NAME: AKRON FULTON INTL	RNAV	RNAV (GPS) RWY 25, ORIG 13 NOVEMBER 2014	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	KAKR
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	410228.2285N
LTP/FTP LONGITUDE	0812730.1525W
LTP/FTP ELLIPSOIDAL HEIGHT	+02894
FPAP LATITUDE	410146.3200N
FPAP LONGITUDE	0812914.0700W
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	0896
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	10B27E94

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03228
FPAP ORTHOMETRIC HEIGHT	+03228

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AWNEV K50    W     N40564769W081413165                    W0082     NAR          AWNEV
        SUSAEAENRT   ESPUQ K50    W     N41031336W081253814                    W0084     NAR          ESPUQ
        SUSAEAENRT   IRAYO K50    W     N41041409W081230720                    W0085     NAR          IRAYO
        SUSAEAENRT   OGVOE K50    W     N41071707W081153115                    W0086     NAR          OGVOE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAKRK5AAKR     0     063YHN41021500W081280090W007001068         1800018000C    MNAR    AKRON FULTON INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAKRK5FR25   AOGVOE 010OGVOEK5EA0EE AR   HF                    24910040    + 03100     18000                A JS
        SUSAP KAKRK5FR25   R      010OGVOEK5EA0E  I    IF                                + 03100     18000                A JS
        SUSAP KAKRK5FR25   R      020IRAYOK5EA1E  F 051TF                    24910065    + 02300                          A JS
        SUSAP KAKRK5FR25   R      020IRAYOK5EA2WALP       N          ALNAV                                                JS
        SUSAP KAKRK5FR25   R      021ESPUQK5EA0E S  031TF                    24900022    + 01600                          A JS
        SUSAP KAKRK5FR25   R      030RW25 K5PG0GY M 031TF                    24900016      01560              000         A JS
        SUSAP KAKRK5FR25   R      040         0  M     CA                    2490        + 01468                          A JS
        SUSAP KAKRK5FR25   R      050AWNEVK5EA0EY       DF                              + 03100                          A JS
        SUSAP KAKRK5FR25   R      060AWNEVK5EA0EE  R    HM                    06900040    + 03100                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAKRK5GRW25    0063362490 N41022823W081273015+0100    +028940105902590015ORIAKR0

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAKRK5PR25   RW25 001 0000W25A0N4102282285W08127301525+028940000N4101463200W0812914070010675089600000F40000010B27E94
        SUSAP KAKRK5PR25   RW25 002E      +03228+03228LP        99735
```

CITY AND STATE	ELEVATION: **1068** THRE: **1059**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
AKRON, OH	AIRPORT NAME: **AKRON FULTON INTL**	**RNAV**	**RNAV (GPS) RWY 25, ORIG** 13 NOVEMBER 2014	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	OGVOE	OGVOE	010	IAF	HF	R	FO		249.1(242.1T)	004.0	AA 03100	
		OGVOE	010	FACF	IF		FB				AA 03100	
		IRAYO	020	FAF	TF		FB	0.5	249.1(242.1T)	006.5	AA 02300	
		ESPUQ	021	SDF	TF		FB	0.3	249.0(242.0T)	002.2	AA 01600	
		RW25	030	MAP	TF		FO	0.3	249.0(242.0T)	001.6	AT 01560	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		249.0(242.0T)		AA 01468	
		AWNEV	050		DF		FO				AA 03100	
		AWNEV	060		HM	R	FO		069.0(062.0T)	004.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AWNEV	N405647.69	W0814131.65	N4056.795	W08141.528
	ESPUQ	N410313.36	W0812538.14	N4103.223	W08125.636
	IRAYO	N410414.09	W0812307.20	N4104.235	W08123.120
	OGVOE	N410717.07	W0811531.15	N4107.285	W08115.519
	RW25	N410228.23	W0812730.15	N4102.471	W08127.503

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25	01059	00

CITY AND STATE	ELEVATION: **1068** **THRE: 1059**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
AKRON, OH	AIRPORT NAME: **AKRON FULTON INTL**	**RNAV**	**RNAV (GPS) RWY 25, ORIG** 13 NOVEMBER 2014	AMDT: **NONE**
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

City, State	Airport	Effective Date	Amdt. No.
AKRON, OH	AKRON FULTON INTL	13 NOVEMBER 2014	2

TAKEOFF MINIMUMS:

RWY 01, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 490 FT PER NM TO 1300.
RWY 07, 300-1 ½ OR STANDARD WITH MINIMUM CLIMB OF 230 FT PER NM TO 1400 OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THEN 1800 FT PRIOR TO DER.
RWY19, 300-1 5/8 OR STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 1400.
RWY 25, 300-1 5/8 OR STANDARD CLIMB OF 685 FT PER NM TO 1500.

TEXTUAL DEPARTURE PROCEDURES:

RWY 25 – CLIMB HEADING 248.97 TO 2600 BEFORE TURNING RIGHT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 01, TREES, BUILDINGS, POLES, ANTENNAS, AND PARKING LOTS BEGINNING 68 FT FROM DER, 236 FT LEFT OF CENTERLINE, UP TO 48 FT AGL/1085 FT MSL. TREES, POLES, BUILDINGS AND ANTENNAS BEGINNING 793 FT FROM DER, 2 FT LEFT OF CENTERLINE, UP TO 99 FT AGL/1135 FT MSL. TREES, POLES, BULIDINGS, VEHICLES ON ROADS AND PARKING LOT BEGINNING 286 FT FROM DER, 132 FT RIGHT OF CENTERLINE, UP TO 78 FT AGL/1121 FT MSL. TREES, POLES AND BUILDINGS BEGINNING 1481 FT FROM DER, 5 FT RIGHT OF CENTERLINE, UP TO 99 FT AGL/1210 FT MSL.
NOTE: RWY 07, RISING TERRAIN BEGINNING 45 FROM DER, LEFT AND RIGHT OF CENTERLINE, 1119 FT MSL. VEHICLES ON ROADS AND PARKING LOT, TREES, FENCES, BUSHES AND POLES BEGINNING 62 FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 21 FT AGL/1127 FT MSL. VEHICLES ON ROAD AND PARKING LOT, TREES, FENCES, SIGNS, BUILDINGS AND POLES BEGINNING 1459 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 69 FT AGL/1258 FT MSL. VEHICLES ON ROADS, TREES, FENCES AND POLES BEGINNING 251 FT FROM DER, 318 FT LEFT OF CENTERLINE, UP TO 48 FT AGL/1134 FT MSL. VEHICLES ON ROADS, TREES, FENCES, ANTENNAS AND POLES BEGINNING 692 FT FROM DER, ON CENTERLINE AND LEFT OF CENTERLINE, UP TO 93 FT AGL/1213 FT MSL.
NOTE: RWY 19, RISING TERRAIN BEGINNING 3 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 1183 FT MSL. TREES, POLES, VEHICLES, FENCES, AND GOALPOST BEGINNING 119 FT FROM DER, 36 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/1082 FT MSL. TREES, BUILDINGS, POLES, VEHICLES, TRAFFIC LIGHTS AND PARKING LOTS BEGINNING 1019 FT FROM DER, 4 FT LEFT OF CENTERLINE, UP TO 83 FT AGL/1192 FT MSL. TREES, POLES, AND BUILDINGS BEGINNING 3940 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 102 FT AGL/1260 FT MSL. TREES, BUILDINGS AND LIGHTS BEGINNING 681 FT FROM DER, 431 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/1115 FT MSL. TREES, TOWERS, LIGHTS, BUILDINGS, FENCES, POLES AND VEHICLES ON ROAD BEGINNING 1690 FT FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 99 FT AGL, 1262 FT MSL.
NOTE: RWY 25, RISING TERRAIN BEGINNING 70 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 1177 FT MSL. RAILROAD TRACK WITH TRAIN BEGINNING 66 FT FROM DER, CROSSING CENTERLINE RIGHT TO LEFT, 23 FT AGL/1096 FT MSL. TREES, FENCES AND VEHICLES ON ROADS BEGINNING 53 FT FROM DER, 352 FT RIGHT OF CENTERLINE, UP TO 71 FT AGL/1165 FT MSL. TREES, BUSHES, POLES, LIGHTS, ANTENNAS, FENCES, VEHICLES ON ROADS AND PARKING LOTS BEGINNING 1405 FT FROM DER, 5 FT RIGHT OF CENTERLINE, UP TO 102 FT AGL/1229 FT MSL. TREES BEGINNING 503 FT FROM DER, 375 FT LEFT OF CENTERLINE, UP TO 77 FT AGL/1157 FT MSL. TREES, BUSHES, POLES, FENCES AND VEHICLES ON ROAD BEGINNING 1293 FT FROM DER, ON CENTERLINE AND LEFT OF CENTERLINE, UP TO 106 FT AGL/1227 FT MSL. TOWERS AND ANTENNA BEGINNING 1.4 NM FROM DER, 216 FT LEFT OF CENTERLINE, UP TO 309 FT AGL/1343 FT MSL.

CONTROLLING OBSTACLES:

RWY 01: 1203 MSL TREE 410252.42N/0812738.59W
RWY 07: 1258 MSL TREE 410256.21N/0812602.75W, 1254 MSL TREE 410301.94N/0812558.12W
RWY 19: 1203 MSL TREE 410132.32N/0812755.24W, 1255 MSL TREE 410041.67N/0812741.48W
RWY 25: 1221 MSL TREE 410200.11N/0812906.02W, 1342 MSL TOWER 410119.00N/0813014.00W

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 25 – 2049 FT MSL TOWER 410320.19N/0813537.43W.

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
AKRON, OH	AKRON FULTON INTL	13 NOVEMBER 2014	2

REMARKS:

FLIGHT INSPECTED BY:

Christopher Gottwald 2/24/14

DEVELOPED BY:

JILL OLSON
(BRIAN BERUBEE) AJV-353 10/22/2013

APPROVED BY:

DEB COPELAND AJV-353 AUG 20 2014

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

ALPA, AOPA, NBAA, ZOB, CAK APP CON, AMGR

CHANGES:

1. CHARTED LOW CLOSE IN OBSTACLES
2. ASSIGNED CLIMB GRADIENTS TO EACH RUNWAY
3. DELETED TEXTUAL DEPARTURE PROCEDURE FOR RWY 01
4. REVISED CLIMB TO ALTITUDE FOR RWY 25 TEXTUAL DEPARTURE PROCEDURE
5. ADDED COURSE HEADING TO RWY 25 TEXTUAL DEPARTURE PROCEDURE

REASONS:

1. LOW CLOSE IN OBSTACLE REQUIRE CHARTING
2. 8260.46D, TBL 1, 3a
3. TEXTUAL DEPARTURE NO LONGER REQUIRED
4. OBSTACLES IN THE DIVERSE "A" AREA REQUIRED MITIGATION
5. 8260.46D, APPENDIX D, 7(a)1

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZONIA/I-CGF 9.99 DME/RADAR (IF)	EUKER/I-CGF 3.87 DME	057.47 / 6.13 (I-CGF)	2200

MISSED APPROACH

MAP: EPPOP/I-CGF 0.49 DME

CLIMBING RIGHT TURN TO 3100 DIRECT CXR VOR/DME AND HOLD; OR AS DIRECTED BY ATC

ALTERNATE MA: CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 140 AND ACO R-347 TO MOROW INT/ACO 14.84 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 106.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N MOROW INT/ACO 14.84 DME, RT, 347.10 INBOUND.
CHART FAS OBST: 1073 TOWER 413232N/0813141W
CHART IN PLANVIEW: MOROW INT/ACO 14.84 DME.
EUKER TO RW06: 3.00/42.
CHART CIRCLING ICON.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ZONIA
3. FAC 057.47 FAF EUKER/I-CGF 3.87 DME DIST FAF TO MAP ____ THLD 4.04
4. MIN. ALT ZONIA 2700, EUKER 2200, LEEDO/I-CGF 1.83 DME 1540
8. MSA FROM: CXR VOR/DME 3100

MAG VAR: 8W EPOCH YEAR: 1995

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-06	1380	1	507	1380	1	507	1380	1 3/8	507	1380	1 3/8	507			
CIRCLING	1400	1	521	1440	1	561	1540	1 3/4	661	1640	2 1/2	761			

NOTES:

CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: DISREGARD GS INDICATIONS.
CHART NOTE: NIGHT LANDING: RWY 6 NA.

(SEE FORM 8260-10)

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

CITY AND STATE	ELEVATION: 879 TDZE: 873 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
CLEVELAND, OH	CUYAHOGA COUNTY	I-CGF	LOC/DME BC RWY 6, AMDT 13 13 NOVEMBER 2014	AMDT 12 DATE 07/26/2012

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NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLEVELAND-HOPKINS INTL ALTIMETER SETTING AND INCREASE ALL MDA 60 FT; INCREASE S-06 AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.

CITY AND STATE	ELEVATION: 879 TDZE: 873	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: **CUYAHOGA COUNTY**	**I-CGF**	**LOC/DME BC RWY 6, AMDT 13** 13 NOVEMBER 2014	AMDT: **12**
				DATED: **07/26/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC BC 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 BC

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          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD         CXR   K5011270VDH  N41310094W081094747    N41310094W081094747W0050013172     NARCHARDON
          SUSAD KCGFK5 ICGF   K5011110 IT                      ICGFN41332992W081294513     008920     NARCUYAHOGA COUNTY

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCGFK5ACGF      0     051YHN41335440W081291090W008000879         1800018000C    MNAR     CUYAHOGA COUNTY

          1         2         3         4         5         6         7         8         9         0         1         2         3
TRM WP    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCGFK5CEPPOP K50    R     N41331240W081301637                      W0085     NAR          EPPOP
          SUSAP KCGFK5CEUKER K50    C     N41310053W081334144                      W0084     NAR          EUKER
          SUSAP KCGFK5CLEEDO K50    C     N41322003W081313785                      W0085     NAR          LEEDO
          SUSAP KCGFK5CZONIA K50    C     N41270111W081395283                      W0084     NAR          ZONIA

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCGFK5FB06   B      010ZONIAK5PC0E  I    IF ICGFK5      23750100        PI  + 02700     18000                0 DS
          SUSAP KCGFK5FB06   B      020EUKERK5PC0E  F    CF ICGFK5      2375003905700061PI  + 02200                CXR   K5D 0 DS
          SUSAP KCGFK5FB06   B      021LEEDOK5PC0E S     CF ICGFK5      2375001805700020PI  + 01540          -300          0 DS
          SUSAP KCGFK5FB06   B      030EPPOPK5PC0EY M    CF ICGFK5      2375000505700013PI    01124          -300          0 DS
          SUSAP KCGFK5FB06   B      040         0  M     CA                      0575        + 01279                       0 DS
          SUSAP KCGFK5FB06   B      050CXR  K5D 0VY      DF                                  + 03100                       0 DS
          SUSAP KCGFK5FB06   B      060CXR  K5D 0VE  R   HM                      1060T010    + 03100                       0 DS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCGFK5GRW06     0051020575 N41333807W081293639+0100    +02317008730000042100R

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCGFK5IICGF1   011110RW24 N41333166W0812946382375N41340081W0812853850999 11480600300W00805000868

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCGFK5SCXR  K5D               0   18018003125                                                                  M
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CITY AND STATE	ELEVATION: 879 TDZE: 873	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: **CUYAHOGA COUNTY**	**I-CGF**	**LOC/DME BC RWY 6, AMDT 13** 13 NOVEMBER 2014	AMDT: **12**
				DATED: **07/26/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC BC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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ARINC SUMMARY - 424-18 - LOC BC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		ZONIA	010	FACF	IF		FB				AA 02700	
		EUKER	020	FAF	CF		FB		057.0()	006.1	AA 02200	
		LEEDO	021	SDF	CF		FB		057.0()	002.0	AA 01540	
		EPPOP	030	MAP	CF		FO		057.0()	001.3	AT 01124	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		057.5()		AA 01279	
	CXR	050		DF		FO				AA 03100	
	CXR	060		HM	R	FO		106.0()	T01.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CXR	N413100.94	W0810947.47	N4131.016	W08109.791
	ICGF (DME)	N413329.92	W0812945.13	N4133.499	W08129.752
	EPPOP	N413312.40	W0813016.37	N4133.207	W08130.273
	EUKER	N413100.53	W0813341.44	N4131.009	W08133.691
	LEEDO	N413220.03	W0813137.85	N4132.334	W08131.631
	ZONIA	N412701.11	W0813952.83	N4127.019	W08139.881
	RW06	N413338.07	W0812936.39	N4133.635	W08129.607
	ICGF (LOC)	N413331.66	W0812946.38	N4133.528	W08129.773

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW06	00873	42

CITY AND STATE	ELEVATION: **879** **TDZE: 873**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CLEVELAND, OH	AIRPORT NAME: **CUYAHOGA COUNTY**	**I-CGF**	**LOC/DME BC RWY 6, AMDT 13** 13 NOVEMBER 2014	AMDT: **12**
				DATED: **07/26/2012**

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
APE VORTAC	ATIPE/I-ONB 6.63 DME/RADAR	227.59 / 12.48	2900

MISSED APPROACH

ILS: DA
LOC: 5.14 MILES AFTER ATIPE/I-ONB 6.63 DME/RADAR OR AT I-ONB 1.49 DME FIX

CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3000 DIRECT FULER LOM AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3000 DIRECT APE VORTAC AND HOLD.

1. PT L SIDE OF COURSE 101.22 OUTBOUND 2800 FT WITHIN 10 MILES OF ATIPE (IAF)
2.
3. FAC: 281.22 FAF: ATIPE/I-ONB 6.63 DME/RADAR DIST FAF TO MAP: 5.14 THLD: 5.14
4. MIN. ALT: ATIPE/I-ONB 6.63 DME/RADAR 2500, UNOIT/I-ONB 3.49 DME/RADAR 1500*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 958
6. MIN GS INCPT: 2500 GS ALT AT: ATIPE 2500 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 50.2
8. MSA FROM: APE VORTAC 3100

ADDITIONAL FLIGHT DATA:
HOLD W, LT, 092.07 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE APE VORTAC, RT, 235.00 INBOUND.
CHART FAS OBST: 1006 TREE 395954N/0825005W 1313 AAO 400012N/0824451W
CHART VDP AT 2.73 DME*
DISTANCE VDP TO THLD 1.24 MILES.
*LOC ONLY.
CHART IN PLANVIEW: APE VORTAC.
CHART IN PLANVIEW: (CFBSG) AT 395915.61N/0823817.72W
CHART CIRCLING ICON

MAG VAR: 7W EPOCH YEAR: 2015

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 28R	1014	2400	201	1014	2400	201	1014	2400	201	1014	2400	201			
S-LOC 28R	1500	2400	687	1500	2400	687	1500	1 1/2	687	1500	1 1/2	687			
CIRCLING	1500	1	685	1500	1	685	1520	2	705	1520	2 1/4	705			
UNOIT FIX MINIMUMS (DME OR RADAR REQUIRED)															
S-LOC 28R	1260	2400	447	1260	2400	447	1260	4500	447	1260	4500	447			
CIRCLING	1340	1	525	1340	1	525	1520	2	705	1520	2 1/4	705			

NOTES:
CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 2023.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 28L.
CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.
*LOC ONLY
CHART NOTE: ADF REQUIRED.

CAT A, B 700-2, CAT C 800-2, CAT D 800-2 1/4
@ CAT D 800-2 1/4

QUALITY CHECKED

CITY AND STATE	ELEVATION: 815 TDZE: 813 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
COLUMBUS, OH	PORT COLUMBUS INTL	I-ONB	ILS OR LOC RWY 28R, AMDT 4A 13 NOVEMBER 2014	AMDT: 4 DATED 08/22/2013

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  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        APE   K5011670VTHA N40090383W082351788    N40090383W082351788W0060013542     NARAPPLETON
        SUSAD KCMHK5 IONB  K5010910 IT                     IONBN40000969W082544103     008220     NARPORT COLUMBUS INTL
        SUSADB       OS    K5005150HOMW N40042510W083115301                       W0050           NARFULER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5ACMH     0     101YHN39594900W082533180W007000815         1800018000C    MNAR    PORT COLUMBUS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
TRM WP  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5CATIPE K50    C     N39594282W082460460                       W0072     NAR           ATIPE
        SUSAP KCMHK5CCFBSG K50    W     N39591561W082381772                       W0073     NAR           CNF(CFBSG)

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5FI28R  AAPE   010APE  K5D 0V       IF                                          18000                 0 NS
        SUSAP KCMHK5FI28R  AAPE   020ATIPEK5PC0E       TF                                  + 02900                       0 NS
        SUSAP KCMHK5FI28R  AAPE   030ATIPEK5PC0EE AR   PI IONBK5      1012006605620100PI  + 02800                       0 NS
        SUSAP KCMHK5FI28R  I      010CFBSGK5PC0E  I    IF IONBK5      10120126        PI  J 028000250018000             0 NS
        SUSAP KCMHK5FI28R  I      020ATIPEK5PC0E  F    CF IONBK5      1012006628100060PI  H 0250002500        -300APE   K5D 0 NS
        SUSAP KCMHK5FI28R  I      030RW28RK5PG0GY M    CF IONBK5      1012001528100051PI    00862             -300          0 NS
        SUSAP KCMHK5FI28R  I      040          0  M    CA                      2812        + 01400                       0 NS
        SUSAP KCMHK5FI28R  I      050OS   K5DB0NY      DF                                  + 03000                       0 NS
        SUSAP KCMHK5FI28R  I      060OS   K5DB0NE  L   HM                      0921T010    + 03000                       0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5GRW28R   0080002812 N40000573W082524497+0000    +0213500812000050150IIONB1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5IIONB1   010910RW28RN40001227W0825440562812N40000914W0825256991019 09580444300W00705000808

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

CITY AND STATE	ELEVATION: 815 TDZE: 813	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: PORT COLUMBUS INTL	I-ONB	ILS OR LOC RWY 28R, AMDT 4A 13 NOVEMBER 2014	AMDT: 4 DATED: 08/22/2013

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 KCMHK5SAPE K5D 0 18018003125 M

CITY AND STATE	ELEVATION: **815** **TDZE: 813**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: **PORT COLUMBUS INTL**	**I-ONB**	**ILS OR LOC RWY 28R, AMDT 4A** 13 NOVEMBER 2014	AMDT: **4**
				DATED: **08/22/2013**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	APE	APE	010		IF		FB					
	APE	ATIPE	020		TF		FB				AA 02900	
	APE	ATIPE	030	IAF	PI	R	FB		056.2()	010.0	AA 02800	
		CFBSG	010	FACF	IF		FB				AA 02800 GI 02500	
		ATIPE	020	FAF	CF		FB		281.0()	006.0	GI 02500 GS 02500	
		RW28R	030	MAP	CF		FO		281.0()	005.1	AT 00862	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		281.2()		AA 01400	
	OS	050		DF		FO				AA 03000	
	OS	060		HM	L	FO		092.1()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	APE	N400903.83	W0823517.88	N4009.064	W08235.298
	IONB (DME)	N400009.69	W0825441.03	N4000.162	W08254.684
	OS	N400425.10	W0831153.01	N4004.418	W08311.884
	ATIPE	N395942.82	W0824604.60	N3959.714	W08246.077
	CFBSG	N395915.61	W0823817.72	N3959.260	W08238.295
	RW28R	N400005.73	W0825244.97	N4000.096	W08252.750
	IONB (LOC)	N400012.27	W0825440.56	N4000.205	W08254.676

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28R	00812	50

CITY AND STATE	ELEVATION: **815** **TDZE: 813**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: **PORT COLUMBUS INTL**	**I-ONB**	**ILS OR LOC RWY 28R, AMDT 4A** 13 NOVEMBER 2014	AMDT: **4**
				DATED: **08/22/2013**

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  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        APE   K5011670VTHA N40090383W082351788    N40090383W082351788W0060013542     NARAPPLETON
        SUSAD KCMHK5 IONB  K5010910 IT                    IONBN40000969W082544103     008220     NARPORT COLUMBUS INTL
        SUSADB       OS    K5005150HOMW N40042510W083115301                        W0050          NARFULER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5ACMH     0     101YHN39594900W082533180W007000815         1800018000C    MNAR    PORT COLUMBUS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
TRM WP  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5CATIPE K50    C     N39594282W082460460                        W0072     NAR           ATIPE
        SUSAP KCMHK5CCFBSG K50    W     N39591561W082381772                        W0073     NAR           CNF(CFBSG)
        SUSAP KCMHK5CUNOIT K50    R     N39595686W082500924                        W0072     NAR           UNOIT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5FL28R  AAPE   010APE  K5D 0V       IF                                                18000                 0 NS
        SUSAP KCMHK5FL28R  AAPE   020ATIPEK5PC0E       TF                                     + 02900                          0 NS
        SUSAP KCMHK5FL28R  AAPE   030ATIPEK5PC0EE AR   PI IONBK5      1012006605620100PI  + 02800                          0 NS
        SUSAP KCMHK5FL28R  L      010CFBSGK5PC0E  I    IF IONBK5      10120126        PI  + 02800     18000                 0 NS
        SUSAP KCMHK5FL28R  L      020ATIPEK5PC0E  F    CF IONBK5      1012006628100060PI  + 02500                 APE   K5D 0 NS
        SUSAP KCMHK5FL28R  L      021UNOITK5PC0E S     CF IONBK5      1012003528100031PI  + 01500             -301          0 NS
        SUSAP KCMHK5FL28R  L      030RW28RK5PG0GY M    CF IONBK5      1012001528100020PI    00862             -301          0 NS
        SUSAP KCMHK5FL28R  L      040         0  M     CA                      2812        + 01400                          0 NS
        SUSAP KCMHK5FL28R  L      050OS   K5DB0NY      DF                                  + 03000                          0 NS
        SUSAP KCMHK5FL28R  L      060OS   K5DB0NE  L   HM                      0921T010    + 03000                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5GRW28R   0080002812 N40000573W082524497+0000    +0213500812000050150IIONB1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5IIONB1   010910RW28RN40001227W0825440562812N40000914W0825256991019 09580444300W00705000808

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

CITY AND STATE	ELEVATION: 815 TDZE: 813	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: PORT COLUMBUS INTL	I-ONB	ILS OR LOC RWY 28R, AMDT 4A 13 NOVEMBER 2014	AMDT: 4 DATED: 08/22/2013

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.

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MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5SAPE  K5D              0   18018003125                                                              M
```

CITY AND STATE	ELEVATION: 815 TDZE: 813	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: PORT COLUMBUS INTL	I-ONB	ILS OR LOC RWY 28R, AMDT 4A 13 NOVEMBER 2014	AMDT: 4 DATED: 08/22/2013

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
	APE	APE	010		IF		FB					
	APE	ATIPE	020		TF		FB				AA 02900	
	APE	ATIPE	030	IAF	PI	R	FB		056.2()	010.0	AA 02800	
		CFBSG	010	FACF	IF		FB				AA 02800	
		ATIPE	020	FAF	CF		FB		281.0()	006.0	AA 02500	
		UNOIT	021	SDF	CF		FB		281.0()	003.1	AA 01500	
		RW28R	030	MAP	CF		FO		281.0()	002.0	AT 00862	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		281.2()		AA 01400	
	OS	050		DF		FO				AA 03000	
	OS	060		HM	L	FO		092.1()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	APE	N400903.83	W0823517.88	N4009.064	W08235.298
	IONB (DME)	N400009.69	W0825441.03	N4000.162	W08254.684
	OS	N400425.10	W0831153.01	N4004.418	W08311.884
	ATIPE	N395942.82	W0824604.60	N3959.714	W08246.077
	CFBSG	N395915.61	W0823817.72	N3959.260	W08238.295
	UNOIT	N395956.86	W0825009.24	N3959.948	W08250.154
	RW28R	N400005.73	W0825244.97	N4000.096	W08252.750
	IONB (LOC)	N400012.27	W0825440.56	N4000.205	W08254.676

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28R	00812	50

CITY AND STATE	ELEVATION: **815** TDZE: **813**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: **PORT COLUMBUS INTL**	**I-ONB**	**ILS OR LOC RWY 28R, AMDT 4A** 13 NOVEMBER 2014	AMDT: **4**
				DATED: **08/22/2013**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BREMN (IAF)	CAGTI (FB)	335.43 / 20.20	3000
APE VORTAC (IAF)	CAGTI (FB)	199.05 / 10.03	3000
CAGTI (IF)	ATIPE (FB)	281.38 / 6.21	2500
ATIPE (FAF)	HULOP/2.10 NM TO RW28R (FB)	281.29 / 3.04	
HULOP/2.10 NM TO RW28R	RW28R (MAP) (FO)	281.29 / 2.10	
RW28R (MAP)	1018 MSL	281.29	
1018 MSL	ALEME (FO)		2800

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW28R

CLIMB TO 2800 DIRECT ALEME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 101.12 INBOUND.
CHART FAS OBST: 1024 TREE 400029N/0825035W
1289 AAO 400028N/0824538W
DISTANCE TO THLD FROM 205 HAT: 0.48 NM.
CHART VDP AT 1.31 MILES TO RW28R*
*LNAV ONLY.
WAAS CHANNEL # 86619
REFERENCE PATH ID: W28B
CHART CIRCLING ICON
LTP HAE: 213.5 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CAGTI
3. FAC: 281.29 FAF: ATIPE DIST FAF TO MAP: 5.14 THLD: 5.14
4. MIN. ALT: CAGTI 3000, ATIPE 2500, HULOP/2.10 NM TO RW28R 1520*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: ATIPE 2500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.2 34:1 IS CLEAR
8. MSA FROM: RW28R 3100

MAG VAR: 7W EPOCH YEAR: 2015

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1018	2400	205	1018	2400	205	1018	2400	205	1018	2400	205			
LNAV/VNAV DA	1122	2400	309	1122	2400	309	1122	2400	309	1122	2400	309			
LNAV MDA	1280	2400	467	1280	2400	467	1280	5000	467	1280	5000	467			
CIRCLING	1340	1	525	1340	1	525	1520	2	705	1520	2 1/4	705			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C (0F) OR ABOVE 54C (130F).
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 FT; INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 MILES.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 28L.
(SEE FORM 8260-10)

@CAT D 800-2 1/4

CITY AND STATE	ELEVATION: 815 TDZE: 813 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
COLUMBUS, OH	PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 28R, AMDT 2A 13 NOVEMBER 2014	AMDT: 2 DATED 08/22/2013

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.):
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON APE VORTAC AIRWAY RADIALS 117 CW 271.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE	ELEVATION: 815 TDZE: 813	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: **PORT COLUMBUS INTL**	**RNAV**	**RNAV (GPS) Y RWY 28R, AMDT 2A** 13 NOVEMBER 2014	AMDT: **2**
				DATED: **08/22/2013**

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	KCMH
RUNWAY	RW28R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28B
LTP/FTP LATITUDE	400005.7315N
LTP/FTP LONGITUDE	0825244.9700W
LTP/FTP ELLIPSOIDAL HEIGHT	+02135
FPAP LATITUDE	400012.2765N
FPAP LONGITUDE	0825440.6040W
THRESHOLD CROSSING HEIGHT (TCH)	00050.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	3B7B76E2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02476
FPAP ORTHOMETRIC HEIGHT	+02476

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        APE   K5011670VTHA N40090383W082351788    N40090383W082351788W0060013542     NARAPPLETON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ALEME K50    C     N40003663W083015628                    W0070     NAR           ALEME
        SUSAEAENRT   ATIPE K50    C     N39594282W082460460                    W0072     NAR           ATIPE
        SUSAEAENRT   BREMN K50    C   B N39420173W082241572                    W0074     NAR           BREMN
        SUSAEAENRT   CAGTI K50    W     N39591464W082380137                    W0073     NAR           CAGTI
        SUSAEAENRT   HULOP K50    W     N39595642W082500146                    W0072     NAR           HULOP

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5ACMH     0     101YHN39594900W082533180W007000815         1800018000C    MNAR    PORT COLUMBUS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5FR28RY AAPE   010APE  K5D 0V  A    IF                                                18000                A JS
        SUSAP KCMHK5FR28RY AAPE   020CAGTIK5EA0EE B 010TF                    19910100    + 03000                                A JS
        SUSAP KCMHK5FR28RY ABREMN 010BREMNK5EA0E  A    IF                                                18000                A JS
        SUSAP KCMHK5FR28RY ABREMN 020CAGTIK5EA0EE B 010TF                    33540202    + 03000                                A JS
        SUSAP KCMHK5FR28RY R      010CAGTIK5EA0E  I    IF                                + 03000     18000                      A JS
        SUSAP KCMHK5FR28RY R      020ATIPEK5EA1E  F 051TF                    28140062    + 02500                 RW28R K5PGA JS
        SUSAP KCMHK5FR28RY R      020ATIPEK5EA2WALPV      ALNAV/VNAV ALNAV                                                       JS
        SUSAP KCMHK5FR28RY R      021HULOPK5EA0E S  031TF                    28130030    V 0152001531       -300                A JS
        SUSAP KCMHK5FR28RY R      030RW28RK5PG0GY M 031TF                    28130021      00862            -300                A JS
        SUSAP KCMHK5FR28RY R      040         0  M     CA                    2813        + 01018                               A JS
        SUSAP KCMHK5FR28RY R      050ALEMEK5EA0EY       DF                              + 02800                               A JS
        SUSAP KCMHK5FR28RY R      060ALEMEK5EA0EE  R    HM                    10110040    + 02800                               A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5GRW28R   0080002812 N40000573W082524497+0000     +021350081200005015OIIONB1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5PR28RY RW28R001Y0000W28B0N4000057315W08252449700+021350300N4000122765W0825440604010675031200050 2F4003503B7B76E2
```

CITY AND STATE	ELEVATION: 815 TDZE: 813	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: **PORT COLUMBUS INTL**	**RNAV**	**RNAV (GPS) Y RWY 28R, AMDT 2A** 13 NOVEMBER 2014	AMDT: **2**
				DATED: **08/22/2013**

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 KCMHK5PR28RY RW28R002E      +02476+02476LPV       86619

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCMHK5SRW28RK5PG                0   18018003125                                                                          M
```

CITY AND STATE	ELEVATION: 815 TDZE: 813	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: PORT COLUMBUS INTL	RNAV	RNAV (GPS) Y RWY 28R, AMDT 2A 13 NOVEMBER 2014	AMDT: 2 DATED: 08/22/2013

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
	APE	APE	010	IAF	IF		FB					
	APE	CAGTI	020		TF		FB	1.0	199.1(192.1T)	010.0	AA 03000	
	BREMN	BREMN	010	IAF	IF		FB					
	BREMN	CAGTI	020		TF		FB	1.0	335.4(328.4T)	020.2	AA 03000	
		CAGTI	010	FACF	IF		FB				AA 03000	
		ATIPE	020	FAF	TF		FB	0.5	281.4(274.4T)	006.2	AA 02500	
		HULOP	021	SDF	TF		FB	0.3	281.3(274.3T)	003.0	AA 01520 GS 01531	
		RW28R	030	MAP	TF		FO	0.3	281.3(274.3T)	002.1	AT 00862	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		281.3(274.3T)		AA 01018	
	ALEME	050		DF		FO				AA 02800	
	ALEME	060		HM	R	FO		101.1(094.1T)	004.0	AA 02800	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	APE	N400903.83	W0823517.88	N4009.064	W08235.298
	ALEME	N400036.63	W0830156.28	N4000.611	W08301.938
	ATIPE	N395942.82	W0824604.60	N3959.714	W08246.077
	BREMN	N394201.73	W0822415.72	N3942.029	W08224.262
	CAGTI	N395914.64	W0823801.37	N3959.244	W08238.023
	HULOP	N395956.42	W0825001.46	N3959.940	W08250.024
	RW28R	N400005.73	W0825244.97	N4000.096	W08252.750

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28R	00812	50

CITY AND STATE	ELEVATION: 815	TDZE: 813	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
COLUMBUS, OH	AIRPORT NAME: PORT COLUMBUS INTL		RNAV	RNAV (GPS) Y RWY 28R, AMDT 2A 13 NOVEMBER 2014	AMDT: 2 DATED: 08/22/2013

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HUDDZ (IAF)	OBOZE (NOPT) (FB)	293.53 / 15.41	3000
OBOZE (IF/IAF)	EXKUP (FB)	246.77 / 5.00	2300
EXKUP (FAF)	AKEYE/1.80 NM TO RW24 (FB)	246.71 / 3.23	
AKEYE/1.80 NM TO RW24	RW24 (MAP) (FO)	246.71 / 1.80	
RW24 (MAP)	885 MSL	246.71	
885 MSL	ZUFIL (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW24

CLIMB TO 3000 DIRECT ZUFIL AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE OBOZE, LT, 246.77 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 246.71 FAF: EXKUP DIST FAF TO MAP: 5.03 THLD: 5.03
4. MIN. ALT: OBOZE 3000, EXKUP 2300, AKEYE/1.80 NM TO RW24 1260*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2300 GS ALT AT: EXKUP 2300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 42.4 34:1 IS CLEAR
8. MSA FROM: RW24 3100

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 066.52 INBOUND.
CHART FAS OBST: 789 TREE 411801N/0830012W
DISTANCE TO THLD FROM 220 HAT: 0.56 NM.
CHART VDP AT 1.07 MILES TO RW24*
*LNAV ONLY.
WAAS CHANNEL # 42822
REFERENCE PATH ID: W24A
CHART CIRCLING ICON.
LTP HAE: 164.7 M

MAG VAR: 7W 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
LPV DA	885	3/4	220	885	3/4	220	885	3/4	220	885	3/4	220			
LNAV/VNAV DA	1103	1 1/2	438	1103	1 1/2	438	1103	1 1/2	438	1103	1 1/2	438			
LNAV MDA	1040	1	375	1040	1	375	1040	1 1/8	375	1040	1 1/8	375			
CIRCLING	1120	1	455	1160	1	495	1380	2	715	1380	2 1/4	715			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HUDDZ ON V426-584 EASTBOUND.
CHART NOTE: VDP NA WITH TOLEDO EXPRESS ALTIMETER SETTING.
CHART NOTE: BARO-VNAV NA WITH TOLEDO EXPRESS ALTIMETER SETTING.
(SEE FORM 8260-10)

CHECKED

CITY AND STATE	ELEVATION: 665 TDZE: 665	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FREMONT, OH	AIRPORT NAME: SANDUSKY COUNTY RGNL	RNAV	RNAV (GPS) RWY 24, AMDT 1 13 NOVEMBER 2014	AMDT: ORIG
				DATED 08/25/2011

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.

NOTES, (CONT.):
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TOLEDO EXPRESS ALTIMETER SETTING AND INCREASE ALL DA 93 FEET AND ALL MDA 100 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE, LNAV CAT C AND D VISIBILITY 1/4 MILE AND CIRCLING CAT C AND D VISIBILITY 1/2 MILE.

CITY AND STATE	ELEVATION: 665 TDZE: 665	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FREMONT, OH	AIRPORT NAME: SANDUSKY COUNTY RGNL	RNAV	RNAV (GPS) RWY 24, AMDT 1 13 NOVEMBER 2014	AMDT: ORIG
				DATED: 08/25/2011

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	S24
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	411758.3875N
LTP/FTP LONGITUDE	0830142.8815W
LTP/FTP ELLIPSOIDAL HEIGHT	+01647
FPAP LATITUDE	411713.3300N
FPAP LONGITUDE	0830324.8700W
THRESHOLD CROSSING HEIGHT (TCH)	00042.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	188B8A28

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01999
FPAP ORTHOMETRIC HEIGHT	+01999

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   AKEYE K50    W     N41185297W082593920                      W0073     NAR           AKEYE
        SUSAEAENRT   EXKUP K50    W     N41203081W082555715                      W0074     NAR           EXKUP
        SUSAEAENRT   HUDDZ K50    C   L N41184058W082303535                      W0077     NAR           HUDDZ
        SUSAEAENRT   OBOZE K50    W     N41230206W082501302                      W0075     NAR           OBOZE
        SUSAEAENRT   ZUFIL K50    W     N41122701W083141084                      W0071     NAR           ZUFIL

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP S24 K5AS24     0     055YHN41174470W083021400W007000665         1800018000C    MNAR    SANDUSKY COUNTY RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP S24 K5FR24   AHUDDZ 010HUDDZK5EA0E  A    IF                                          18000              A JS
        SUSAP S24 K5FR24   AHUDDZ 020OBOZEK5EA0EE B 010TF                    29350154    + 03000                      A JS
        SUSAP S24 K5FR24   AOBOZE 010OBOZEK5EA0EE AL   HF                    24680040    + 03000     18000            A JS
        SUSAP S24 K5FR24   R      010OBOZEK5EA0E  I    IF                                + 03000     18000            A JS
        SUSAP S24 K5FR24   R      020EXKUPK5EA1E  F 051TF                    24680050    + 02300                RW24  K5PGA JS
        SUSAP S24 K5FR24   R      020EXKUPK5EA2WALPV       ALNAV/VNAV ALNAV                                          JS
        SUSAP S24 K5FR24   R      021AKEYEK5EA0E S  031TF                    24670032    V 0126001272      -300         A JS
        SUSAP S24 K5FR24   R      030RW24 K5PG0GY M 031TF                    24670018      00698           -300         A JS
        SUSAP S24 K5FR24   R      040          0  M     CA                   2467        + 00876                      A JS
        SUSAP S24 K5FR24   R      050ZUFILK5EA0EY       DF                              + 03000                      A JS
        SUSAP S24 K5FR24   R      060ZUFILK5EA0EE  R    HM                   06650040    + 03000                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP S24 K5GRW24    0055002467 N41175839W083014288+0200    +01647006560000042100R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP S24 K5PR24   RW24 001 0000W24A0N4117583875W08301428815+016470300N4117133300W083032487001067510720004 24F400350188B8A28
        SUSAP S24 K5PR24   RW24 002E      +01999+01999LPV       42822

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP S24 K5SRW24 K5PG             0   18018003125                                                              M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 665 TDZE: 665	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FREMONT, OH	AIRPORT NAME: **SANDUSKY COUNTY RGNL**	**RNAV**	**RNAV (GPS) RWY 24, AMDT 1** 13 NOVEMBER 2014	AMDT: **ORIG**
				DATED: **08/25/2011**

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
	HUDDZ	HUDDZ	010	IAF	IF		FB					
	HUDDZ	OBOZE	020		TF		FB	1.0	293.5(286.5T)	015.4	AA 03000	
	OBOZE	OBOZE	010	IAF	HF	L	FO		246.8(239.8T)	004.0	AA 03000	
		OBOZE	010	FACF	IF		FB				AA 03000	
		EXKUP	020	FAF	TF		FB	0.5	246.8(239.8T)	005.0	AA 02300	
		AKEYE	021	SDF	TF		FB	0.3	246.7(239.7T)	003.2	AA 01260 GS 01272	
		RW24	030	MAP	TF		FO	0.3	246.7(239.7T)	001.8	AT 00698	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		246.7(239.7T)		AA 00876	
	ZUFIL	050		DF		FO				AA 03000	
	ZUFIL	060		HM	R	FO		066.5(059.5T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AKEYE	N411852.97	W0825939.20	N4118.883	W08259.653
	EXKUP	N412030.81	W0825557.15	N4120.514	W08255.953
	HUDDZ	N411840.58	W0823035.35	N4118.676	W08230.589
	OBOZE	N412302.06	W0825013.02	N4123.034	W08250.217
	ZUFIL	N411227.01	W0831410.84	N4112.450	W08314.181
	RW24	N411758.39	W0830142.88	N4117.973	W08301.715

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24	00656	42

CITY AND STATE	ELEVATION: 665 / TDZE: 665	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FREMONT, OH	AIRPORT NAME: SANDUSKY COUNTY RGNL	RNAV	RNAV (GPS) RWY 24, AMDT 1 13 NOVEMBER 2014	AMDT: ORIG
				DATED: 08/25/2011

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

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 13 NOVEMBER 2014

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP	
FREMONT, OH	**ELEVATION: 665** **THRE: 656** AIRPORT NAME: **SANDUSKY COUNTY RGNL**	**SKY**	**VOR/DME RWY 24, AMDT 1, 08/25/2011**	AMDT	**ORIG-A**
				DATE	**06/08/2006**

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
AST VOR/DME	ZINKY/AST 19.00 DME	076.96 / 19.00	5300
PULYI/AST 19.00 DME CW (IAF)	ZINKY/AST 19.00 DME (NOPT)	19.00 DME ARC (AST LR-070)	4400
ZIGPI/AST 19.00 DME CCW (IAF)	ZINKY/AST 19.00 DME (NOPT)	19.00 DME ARC (AST LR-083)	4400
ZUNAB/AST VOR/DME 25.47 DME (IAF)	ZINKY/AST 19.00 DME (NOPT)	212 / 2.90 (HDG) & 256.50 / 4.37 (I-AST)	4400
ZINKY/AST 19.00 DME (IF/IAF)	JUNSA/AST 12.81 DME	256.50 / 6.19 (I-AST)	4000

MISSED APPROACH

ILS: DA

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 2900 DIRECT AST VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 075.00 INBOUND.
CHART (CFLCD) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE.
CHART AST R-328 AT PULYI.
CHART AST R-166 AT ZIGPI.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E ZINKY, RT, 256.50 INBOUND, 4400 FT. IN LIEU OF PT (IAF)
3. FAC: 256.50 FAF: DIST FAF TO MAP: THLD:
4. MIN. ALT: ZINKY 4400, JUNSA 4000
5. DIST TO THLD FROM OM: 12.35 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1050
6. MIN GS INCPT: 4000 GS ALT AT: - JUNSA 4000 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.9
8. MSA FROM: AST VOR/DME 360-180 4500, 180-360 3400

MAG VAR: 19E EPOCH YEAR: 1990

MINIMUMS

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

ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 26	264	1	250	264	1	250	264	1	250	264	1	250			

NOTES:
CHART PLANVIEW NOTE: DME REQUIRED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KELSO ALTIMETER SETTING AND INCREASE ALL DA 96 FEET.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 14 TDZE: 14 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ASTORIA, OR	ASTORIA RGNL	I-AST	ILS RWY 26, AMDT 3 13 NOVEMBER 2014	AMDT: 2D DATED 09/19/2013

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: PROCEDURE NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING KELSO ALTIMETER SETTING INCREASE S-ILS 26 VISIBILITY ALL CATS 1/8 MILE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 14 TDZE: 14	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ASTORIA, OR	AIRPORT NAME: ASTORIA RGNL	I-AST	ILS RWY 26, AMDT 3 13 NOVEMBER 2014	AMDT: 2D
				DATED: 09/19/2013

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  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        AST   K1011400VDLA N46094211W123524936    N46094211W123524936E0190000111     NARASTORIA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   PULYI K10    R   L N46281142W123590568                      E0162     NAR           PULYI
        SUSAEAENRT   ZIGPI K10    R   L N45504622W123550127                      E0160     NAR           ZIGPI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KASTK1AAST     0     057YHN46092870W123524300E019000014         1800018000C    MNAR    ASTORIA RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
TRM WP  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KASTK1CCFLCD K10    W     N46071378W123192387                      E0160     NAR           CNF(CFLCD)
        SUSAP KASTK1CJUNSA K10    R     N46081827W123343085                      E0160     NAR           JUNSA
        SUSAP KASTK1CZINKY K10    R     N46074062W123253921                      E0160     NAR           ZINKY
        SUSAP KASTK1CZUNAB K10    C     N46090240W123161200                      E0160     NAR           ZUNAB

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KASTK1FI26   AAST   010AST  K1D 0V       IF                                                18000                 0 DS
        SUSAP KASTK1FI26   AAST   020ZINKYK1PC0EY      TF                                     + 05300                          0 DS
        SUSAP KASTK1FI26   AAST   030ZINKYK1PC0EE AR   HF AST K1      0770019025650050D   + 04400                          0 DS
        SUSAP KASTK1FI26   APULYI 010PULYIK1EA0E  A    IF AST K1      32780190        D                18000                 0 DS
        SUSAP KASTK1FI26   APULYI 020ZINKYK1PC0EE BR   AF AST K1      077001903278    D   + 04400                          0 DS
        SUSAP KASTK1FI26   AZIGPI 010ZIGPIK1EA0E  A    IF AST K1      16560190        D                18000                 0 DS
        SUSAP KASTK1FI26   AZIGPI 020ZINKYK1PC0EE BL   AF AST K1      077001901656    D   + 04400                          0 DS
        SUSAP KASTK1FI26   AZUNAB 010ZUNABK1PC0E  A    IF                                                18000                 0 DS
        SUSAP KASTK1FI26   AZUNAB 020CFLCDK1PC0E       TF                                     + 04400                          0 DS
        SUSAP KASTK1FI26   AZUNAB 030ZINKYK1PC0EE B    CF IASTK1      0765019425650044PI  + 04400                          0 DS
        SUSAP KASTK1FI26   I      010ZINKYK1PC0E  D    IF IASTK1      07650194        PI  J 044000400018000                 0 DS
        SUSAP KASTK1FI26   I      020JUNSAK1PC0E  F    CF IASTK1      0765013225700062PI  H 0400004000        -300AST   K1D 0 DS
        SUSAP KASTK1FI26   I      030RW26 K1PG0GY M    CF IASTK1      0765000925700124PI    00068             -300          0 DS
        SUSAP KASTK1FI26   I      040         0  M     CA                      2565        + 01500                          0 DS
        SUSAP KASTK1FI26   I      050AST  K1D 0VY  R   DF                                     + 02900                          0 DS
        SUSAP KASTK1FI26   I      060AST  K1D 0VE  R   HM                      0750T010    + 02900                          0 DS
```

QUALITY 12 CHECKED

CITY AND STATE	ELEVATION: 14 TDZE: 14	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ASTORIA, OR	AIRPORT NAME: ASTORIA RGNL	I-AST	ILS RWY 26, AMDT 3 13 NOVEMBER 2014	AMDT: 2D DATED: 09/19/2013

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
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KASTK1GRW26    0057942565 N46093061W123521122+0000    -00197000120713561001IAST1
_____________________________________________________________________________________________________________________________________________
                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KASTK1IIAST1   010950RW26 N46093571W1235327682565N46092791W1235226580326 10500600300E01905600009
_____________________________________________________________________________________________________________________________________________
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ----------------------------------------------------------------------------------------------------------------------------------
         SUSAP KASTK1SAST  K1D                0   1803600452536018003425                                                              M
```

QUALITY 12 CHECKED

CITY AND STATE	ELEVATION: **14** **TDZE: 14**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ASTORIA, OR	AIRPORT NAME: **ASTORIA RGNL**	**I-AST**	**ILS RWY 26, AMDT 3** 13 NOVEMBER 2014	AMDT: **2D**
				DATED: **09/19/2013**

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
	AST	AST	010		IF		FB					
	AST	ZINKY	020		TF		FO				AA 05300	
	AST	ZINKY	030	IAF	HF	R	FO		256.5()	005.0	AA 04400	
	PULYI	PULYI	010	IAF	IF		FB					
	PULYI	ZINKY	020		AF	R	FB		327.8()		AA 04400	
	ZIGPI	ZIGPI	010	IAF	IF		FB					
	ZIGPI	ZINKY	020		AF	L	FB		165.6()		AA 04400	
	ZUNAB	ZUNAB	010	IAF	IF		FB					
	ZUNAB	CFLCD	020		TF		FB				AA 04400	
	ZUNAB	ZINKY	030		CF		FB		256.5()	004.4	AA 04400	
		ZINKY	010	FACF	IF		FB				AA 04400	GI 04000
		JUNSA	020	FAF	CF		FB		257.0()	006.2	GI 04000	GS 04000
		RW26	030	MAP	CF		FO		257.0()	012.4	AT 00068	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		256.5()		AA 01500	
	AST	050		DF	R	FO				AA 02900	
	AST	060		HM	R	FO		075.0()	T01.0	AA 02900	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AST	N460942.11	W1235249.36	N4609.702	W12352.823
	PULYI	N462811.42	W1235905.68	N4628.190	W12359.095
	ZIGPI	N455046.22	W1235501.27	N4550.770	W12355.021
	CFLCD	N460713.78	W1231923.87	N4607.230	W12319.398
	JUNSA	N460818.27	W1233430.85	N4608.305	W12334.514
	ZINKY	N460740.62	W1232539.21	N4607.677	W12325.654
	ZUNAB	N460902.40	W1231612.00	N4609.040	W12316.200
	RW26	N460930.61	W1235211.22	N4609.510	W12352.187
	IAST (LOC)	N460935.71	W1235327.68	N4609.595	W12353.461

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	00012	56

QUALITY 12 CHECKED

CITY AND STATE	ELEVATION: **14** **TDZE: 14**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ASTORIA, OR	AIRPORT NAME: **ASTORIA RGNL**	**I-AST**	**ILS RWY 26, AMDT 3** 13 NOVEMBER 2014	AMDT: **2D**
				DATED: **09/19/2013**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
IHD VORTAC	ZETGA (FO)	255.88 / 21.86	4600
MGW VORTAC (IAF)	ZETGA (NOPT) (FB)	018.00 / 17.01	4000
ZETGA (IF/IAF)	WIGEX (FB)	048.55 / 3.75	3100
WIGEX (FAF)	ZOLDI/2.90 NM TO RW05 (FB)	048.58 / 2.87	
ZOLDI/2.90 NM TO RW05	RW05 (MAP) (FO)	048.58 / 2.90	
RW05 (MAP)	2500 MSL	048.58	2500
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW05

CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 4000 DIRECT WITUV AND TRACK 189.59 TO ZETGA AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW ZETGA, LT, 048.55 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 048.58 FAF: WIGEX DIST FAF TO MAP: 5.77 THLD: 5.77
4. MIN. ALT: ZETGA 4000, WIGEX 3100, ZOLDI/2.90 NM TO RW05 2180*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3100 GS ALT AT: WIGEX 3100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 41.3 34:1 IS CLEAR
8. MSA FROM: RW05 4500

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 1340 TREE 395713N/0793855W
DISTANCE TO THLD FROM 250 HAT: 0.76 NM.
CHART VDP AT 1.06 MILES TO RW05*
*LNAV ONLY.
WAAS CHANNEL # 45929
REFERENCE PATH ID: W05A
LTP HAE: 339.2 M

MAG VAR: 8W EPOCH YEAR: 1990

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1504	1	250	1504	1	250	1504	1	250		NA				
LNAV/VNAV DA	1524	1	270	1524	1	270	1524	1	270		NA				
LNAV MDA	1600	1	346	1600	1	346	1600	1	346		NA				
CIRCLING	1920	1	656	2060	1	796	2200	2 3/4	936		NA				

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON IHD VORTAC AIRWAY RADIALS 229 CW 315.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MGW VORTAC AIRWAY RADIALS 289 CW 101.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 1264 TDZE: 1254	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CONNELLSVILLE, PA	AIRPORT NAME: JOSEPH A. HARDY CONNELLSVILLE	RNAV	RNAV (GPS) RWY 5, ORIG-A 13 NOVEMBER 2014	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.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
2500 MSL	WITUV (FB)		
WITUV	ZETGA (FO)	189.59 / 6.03	4000

NOTES, (CONT.):

CHART NOTE: NIGHT LANDING: RWY 14, 23, 32 NA.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MORGANTOWN WV ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE MORGANTOWN WV ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET, INCREASE LPV ALL CATS VISIBILITY 1/8 MILE, LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, LNAV CAT C AND CIRCLING CATS B AND C VISIBILITY 1/4 MILE.
CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 200 KIAS.

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
CONNELLSVILLE, PA	**ELEVATION: 1264** **TDZE: 1254** AIRPORT NAME: **JOSEPH A. HARDY CONNELLSVILLE**	**RNAV**	**RNAV (GPS) RWY 5, ORIG-A** 13 NOVEMBER 2014	SUP: AMDT: **ORIG** DATED: **09/20/2012**

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KVVS
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	395724.3375N
LTP/FTP LONGITUDE	0793944.3855W
LTP/FTP ELLIPSOIDAL HEIGHT	+03392
FPAP LATITUDE	395832.0030N
FPAP LONGITUDE	0793828.9130W
THRESHOLD CROSSING HEIGHT (TCH)	00041.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1584
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	96BDB02F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03717
FPAP ORTHOMETRIC HEIGHT	+03717

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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        IHD   K6010820VTL  N39582727W079213012    N39582727W079213012W0060028201     NARINDIAN HEAD
        SUSAD        MGW   K6011160VTL  N39332410W079513742    N39332410W079513742W0050023391     NARMORGANTOWN

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   WIGEX K60    W     N39530107W079443749                    W0093     NAR           WIGEX
        SUSAEAENRT   WITUV K60    W     N39561241W079473425                    W0093     NAR           WITUV
        SUSAEAENRT   ZETGA K60    C   L N39501017W079474731                    W0093     NAR           ZETGA
        SUSAEAENRT   ZOLDI K60    W     N39551216W079421166                    W0094     NAR           ZOLDI

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVVSK6AVVS     0     038YHN39573260W079392670W008001264          1800018000C    MNAR    JOSEPH A. HARDY CONNELLSVILLE

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVVSK6FR05   AIHD   010IHD  K6D 0V       IF                                          18000                A JS
        SUSAP KVVSK6FR05   AIHD   020ZETGAK6EA0EY   020TF                    25590219    + 04600                      A JS
        SUSAP KVVSK6FR05   AIHD   030ZETGAK6EA0EE AL   HF                    04860040    + 04000                      A JS
        SUSAP KVVSK6FR05   AMGW   010MGW  K6D 0V  A    IF                                          18000                A JS
        SUSAP KVVSK6FR05   AMGW   020ZETGAK6EA0EE B 010TF                    01800170    + 04000                      A JS
        SUSAP KVVSK6FR05   R      010ZETGAK6EA0E  I    IF                                 + 04000     18000            A JS
        SUSAP KVVSK6FR05   R      020WIGEXK6EA1E  F 051TF                    04860038    + 03100              RW05  K6PGA JS
        SUSAP KVVSK6FR05   R      020WIGEXK6EA2WALPV       ALNAV/VNAV ALNAV                                          JS
        SUSAP KVVSK6FR05   R      021ZOLDIK6EA0E S  031TF                    04860029    V 0218002184        -300     A JS
        SUSAP KVVSK6FR05   R      030RW05 K6PG0GY M 031TF                    04860029      01261             -300     A JS
        SUSAP KVVSK6FR05   R      040         0  M     CA                    0486        + 02500                      A JS
        SUSAP KVVSK6FR05   R      050WITUVK6EA0E   L   DF                                                           A JS
        SUSAP KVVSK6FR05   R      060ZETGAK6EA0EY   010TF                    1896        + 04000          200         A-JS
        SUSAP KVVSK6FR05   R      070ZETGAK6EA0EE  L   HM                    04860040    + 04000                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVVSK6GRW05    0038330486 N39572434W079394439+1200    +033920122000004110ORIVVS0

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

CITY AND STATE	ELEVATION: 1264 TDZE: 1254	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CONNELLSVILLE, PA	AIRPORT NAME: **JOSEPH A. HARDY CONNELLSVILLE**	**RNAV**	**RNAV (GPS) RWY 5, ORIG-A** 13 NOVEMBER 2014	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.

```
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KVVSK6PR05   RW05 001 0000W05A0N3957243375W07939443855+033920300N3958320030W07938289130106751584000413F40050096BDB02F
        SUSAP KVVSK6PR05   RW05 002E      +03717+03717LPV       45929
                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KVVSK6SRW05 K6PG                0   18018004525                                                                    M
```

CITY AND STATE	ELEVATION: 1264 TDZE: 1254	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CONNELLSVILLE, PA	AIRPORT NAME: JOSEPH A. HARDY CONNELLSVILLE	RNAV	RNAV (GPS) RWY 5, ORIG-A 13 NOVEMBER 2014	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.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	IHD	IHD	010		IF		FB					
	IHD	ZETGA	020		TF		FO	2.0	255.9(247.9T)	021.9	AA 04600	
	IHD	ZETGA	030	IAF	HF	L	FO		048.6(040.6T)	004.0	AA 04000	
	MGW	MGW	010	IAF	IF		FB					
	MGW	ZETGA	020		TF		FB	1.0	018.0(010.0T)	017.0	AA 04000	
		ZETGA	010	FACF	IF		FB				AA 04000	
		WIGEX	020	FAF	TF		FB	0.5	048.6(040.6T)	003.8	AA 03100	
		ZOLDI	021	SDF	TF		FB	0.3	048.6(040.6T)	002.9	AA 02180 GS 02184	
		RW05	030	MAP	TF		FO	0.3	048.6(040.6T)	002.9	AT 01261	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		048.6(040.6T)		AA 02500	
	WITUV	050		DF	L	FB					
	ZETGA	060		TF		FO	1.0	189.6(181.6T)		AA 04000	AB 200
	ZETGA	070		HM	L	FO		048.6(040.6T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IHD	N395827.27	W0792130.12	N3958.455	W07921.502
	MGW	N393324.10	W0795137.42	N3933.402	W07951.624
	WIGEX	N395301.07	W0794437.49	N3953.018	W07944.625
	WITUV	N395612.41	W0794734.25	N3956.207	W07947.571
	ZETGA	N395010.17	W0794747.31	N3950.170	W07947.789
	ZOLDI	N395512.16	W0794211.66	N3955.203	W07942.194
	RW05	N395724.34	W0793944.39	N3957.406	W07939.740

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	01220	41

CITY AND STATE	ELEVATION: 1264 TDZE: 1254	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
CONNELLSVILLE, PA	AIRPORT NAME: **JOSEPH A. HARDY CONNELLSVILLE**	**RNAV**	**RNAV (GPS) RWY 5, ORIG-A** 13 NOVEMBER 2014	AMDT: **ORIG**
				DATED: **09/20/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

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

ALTERNATE: N A

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 13 NOVEMBER 2014

CITY AND STATE	ELEVATION: 1405 TDZE: 1405	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
INDIANA, PA	AIRPORT NAME: INDIANA COUNTY/JIMMY STEWART FLD/	GPS	GPS RWY 28, AMDT 1, 07/05/2007	AMDT ORIG
				DATE 04/23/1998

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - 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

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 13 NOVEMBER 2014

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1405 TDZE: 1405	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
INDIANA, PA	AIRPORT NAME: **INDIANA COUNTY/JIMMY STEWART FLD/**	**I-IDI**	**LOC RWY 28, ORIG-B, 02/07/2013**	AMDT **ORIG-A**
				DATE **05/28/1992**

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 13 NOVEMBER 2014

QUALITY CHECKED

CITY AND STATE	ELEVATION: 972 THRE: 949	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
HOHENWALD, TN	AIRPORT NAME: **JOHN A BAKER FLD**	**JHG**	**NDB RWY 2, ORIG-B, 02/09/2012**	AMDT **ORIG-A**
				DATE **08/13/1998**

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GZG VOR/DME	AKQON INT/I-VJI 6.61 DME	125.23 / 8.77	6500

MISSED APPROACH

MAP: 5.82 MILES AFTER AKQON INT/I-VJI 6.61 DME OR AT I-VJI 0.79 DME FIX

CLIMB TO 3200 THEN CLIMBING LEFT TURN TO 4300 DIRECT AKQON AND HOLD.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 2256 TREE 364144N/0820121W
AKQON INT TO RW24: 3.02/45.
CHART IN PLANVIEW ONLY: GZG VOR/DME 8.77 DME AT AKQON.
CHART CIRCLING ICON.
CHART IN PLANVIEW: (CFBGR) AT 364655.15N/0815128.94W

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE AKQON, LT, 241.03 INBOUND, 4300 FT. IN LIEU OF PT (IAF)
3. FAC 241.03 FAF AKQON INT/I-VJI 6.61 DME DIST FAF TO MAP 5.82 THLD 5.82
4. MIN. ALT AKQON INT/I-VJI 6.61 DME 4000, BUNTE INT/I-VJI 3.31 DME 2940*
8. MSA FROM: GZG VOR/DME 090-180 7000, 180-090 5900

MAG VAR: 5W EPOCH YEAR:1995

MINIMUMS

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
S-24	2940	1	853	2940	1 1/4	853	2940	2 1/2	853	2940	2 1/2	853			
CIRCLING	2940	1 1/4	853	2940	1 1/4	853	2940	2 1/2	853	3080	3	993			
BUNTE FIX MINIMUMS															
S-24	2520	1	433	2520	1	433	2520	1 1/4	433	2520	1 1/4	433			
CIRCLING	2860	1	773	2860	1	773	2900	2 1/2	813	3080	3	993			

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: GPS REQUIRED.
CHART NOTE: CAT D STRAIGHT-IN MINIMA NA WHEN USING TRI-CITIES RGNL TN/VA ALTIMETER SETTING.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
(SEE FORM 8260-10)

@ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 2087 TDZE: 2087	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
ABINGDON, VA	AIRPORT NAME: VIRGINIA HIGHLANDS	I-VJI	LOC RWY 24, AMDT 5 13 NOVEMBER 2014	AMDT 4A
				DATE 05/29/2014

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED; USE TRI-CITIES RGNL TN/VA ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET; INCREASE S-24 CAT A AND B CIRCLING CAT B VISIBILITY 1/4 MILE, AND S-24 CAT C AND D AND CIRCLING CAT C VISIBILITY 1/2 MILE. INCREASE BUNTE FIX MINIMUMS S-24 CATS C AND D VISIBILITY 3/8 MILE, CIRCLING CATS A AND B VISIBILITY 1/4 MILE, CIRCLING CAT C VISIBILITY 1/2 MILE.
*3080 WHEN USING TRI-CITIES RGNL TN/VA ALTIMETER SETTING.
CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 210 KIAS.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

QUALITY CHECKED

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

ARINC PACKET - 424-18 - LOC

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        GZG   K6011020VDLA N36493038W082044432    N36493038W082044432W0020042001     NARGLADE SPRING
        SUSAD KVJIK6 IVJI  K6010830 IT                    IVJIN36405697W082022415     020740     NARVIRGINIA HIGHLANDS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVJIK6AVJI     0     044YHN36411357W082015998W005002087         1800018000C    MNAR    VIRGINIA HIGHLANDS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
TRM WP  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVJIK6CAKQON K60    C     N36444126W081553668                      W0072     NAR           AKQON
        SUSAP KVJIK6CBUNTE K60    R     N36425044W081590135                      W0071     NAR           BUNTE
        SUSAP KVJIK6CCFBGR K60    W     N36465515W081512894                      W0072     NAR           CNF(CFBGR)

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVJIK6FL24   AGZG   010GZG  K6D 0V       IF                                          18000                 0 NS
        SUSAP KVJIK6FL24   AGZG   020AKQONK6PC0EY      TF                                 + 06500                        0 NS
        SUSAP KVJIK6FL24   AGZG   030AKQONK6PC0EE AL   HF IVJIK6      061000662410T010PI  + 04300                        0 NS
        SUSAP KVJIK6FL24   L      010CFBGRK6PC0E  I    IF IVJIK6      06100106        PI  + 04300     18000                 0 PS
        SUSAP KVJIK6FL24   L      020AKQONK6PC0E  F    CF IVJIK6      0610006624100040PI  + 04000                GZG   K6D 0 PS
        SUSAP KVJIK6FL24   L      021BUNTEK6PC0E S     CF IVJIK6      0610003324100033PI  + 02940            -302          0 PS
        SUSAP KVJIK6FL24   L      030RW24 K6PG0GY M    CF IVJIK6      0610000824100025PI    02132            -302          0 PS
        SUSAP KVJIK6FL24   L      040         0  M     CA                     2410        + 03200                        0 PS
        SUSAP KVJIK6FL24   L      050AKQONK6PC0EY  L   DF                                 + 04300                        0 PS
        SUSAP KVJIK6FL24   L      060AKQONK6PC0EE  L   HM                     2410T010    + 04300         210            0-PS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVJIK6GRW24    0044712410 N36412592W082013722-0600    +0605302087000058075RIVJI0

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KVJIK6IIVJI0   010830RW24 N36405983W0820225292410                  0251     0600   W0050

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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CITY AND STATE	ELEVATION: 2087 TDZE: 2087	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ABINGDON, VA	AIRPORT NAME: VIRGINIA HIGHLANDS	I-VJI	LOC RWY 24, AMDT 5 13 NOVEMBER 2014	AMDT: 4A DATED: 05/29/2014

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

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SUSAP KVJIK6SGZG  K6D              0   2703600702536027005925                                                    M
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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
	GZG	GZG	010		IF		FB					
	GZG	AKQON	020		TF		FO				AA 06500	
	GZG	AKQON	030	IAF	HF	L	FO		241.0()	T01.0	AA 04300	
		CFBGR	010	FACF	IF		FB				AA 04300	
		AKQON	020	FAF	CF		FB		241.0()	004.0	AA 04000	
		BUNTE	021	SDF	CF		FB		241.0()	003.3	AA 02940	
		RW24	030	MAP	CF		FO		241.0()	002.5	AT 02132	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		241.0()		AA 03200	
	AKQON	050		DF	L	FO				AA 04300	
	AKQON	060		HM	L	FO		241.0()	T01.0	AA 04300	AB 210

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GZG	N364930.38	W0820444.32	N3649.506	W08204.739
	IVJI (DME)	N364056.97	W0820224.15	N3640.950	W08202.403
	AKQON	N364441.26	W0815536.68	N3644.688	W08155.611
	BUNTE	N364250.44	W0815901.35	N3642.841	W08159.023
	CFBGR	N364655.15	W0815128.94	N3646.919	W08151.482
	RW24	N364125.92	W0820137.22	N3641.432	W08201.620
	IVJI (LOC)	N364059.83	W0820225.29	N3640.997	W08202.422

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24	02087	58

CITY AND STATE	ELEVATION: **2087** **TDZE: 2087**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ABINGDON, VA	AIRPORT NAME: **VIRGINIA HIGHLANDS**	**I-VJI**	**LOC RWY 24, AMDT 5** 13 NOVEMBER 2014	AMDT: **4A**
				DATED: **05/29/2014**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

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 13 NOVEMBER 2014

QUALITY CHECKED

CITY AND STATE	ELEVATION: 465 TDZE: 461	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
ORANGE, VA	AIRPORT NAME: **ORANGE COUNTY**	**GPS**	**GPS RWY 8, ORIG-C, 04/07/2011**	AMDT **ORIG-B**
				DATE **03/10/2011**

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
LAYVU	GUGFO (FB)	101.33 / 15.84	4000
BAITS (IAF)	URPOW (NOPT) (FB)	339.20 / 12.76	4000
GUGFO (IAF)	URPOW (NOPT) (FB)	096.93 / 5.00	4000
URPOW (IF/IAF)	GOFXO (FB)	007.01 / 6.10	3100
GOFXO (FAF)	CAMEM/2.50 NM TO RW01 (FB)	007.02 / 2.45	
CAMEM/2.50 NM TO RW01	RW01 (MAP) (FO)	007.02 / 2.50	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW01

CLIMB TO 4100 DIRECT LODVY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 187.05 INBOUND.
CHART FAS OBST: 1652 TOWER 454116N/0902348W
CHART 1944 TOWER 453839N/0902334W.
DISTANCE TO THLD FROM 325 HAT: 0.97 NM.
CHART VDP AT 1.31 MILES TO RW01*
*LNAV ONLY.
WAAS CHANNEL # 56305
REFERENCE PATH ID: W01A
LTP HAE: 415.9 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S URPOW, RT, 007.01 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 007.02 FAF: GOFXO DIST FAF TO MAP: 4.95 THLD: 4.95
4. MIN. ALT: URPOW 4000, GOFXO 3100, CAMEM/2.50 NM TO RW01 2300*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3100 GS ALT AT: GOFXO 3100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 35.0 34:1 IS NOT CLEAR
8. MSA FROM: RW01 4100

MAG VAR: 0E 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	1808	1 1/8	325	1808	1 1/8	325	1808	1 1/8	325	1808	1 1/8	325			
LNAV/VNAV DA	1944	1 5/8	461	1944	1 5/8	461	1944	1 5/8	461	1944	1 5/8	461			
LNAV MDA	1920	1	437	1920	1	437	1920	1 3/8	437	1920	1 3/8	437			
CIRCLING	2100	1	603	2100	1	603	2100	1 3/4	603	2100	2	603			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BAITS ON V177 SOUTHEAST BOUND AND V78 SOUTHWEST BOUND.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1497 TDZE: 1483 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PHILLIPS, WI	PRICE COUNTY	RNAV	RNAV (GPS) RWY 1, ORIG-B 13 NOVEMBER 2014	AMDT: ORIG-A 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.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW01 (MAP)	1808 MSL	007.02	
1808 MSL	LODVY (FO)		4100

NOTES, (CONT.):
*LNAV ONLY
CHART NOTE: NIGHT LANDING: RWY 6, 24 NA.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MINOCQUA-WOODRUFF ALTIMETER SETTING.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MINOCQUA-WOODRUFF ALTIMETER SETTING AND INCREASE ALL DA 91 FEET AND ALL CATS VISIBILITY 1/4 MILE, INCREASE ALL MDA 100 FEET, LNAV ALL CATS AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1497 TDZE: 1483	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PHILLIPS, WI	AIRPORT NAME: PRICE COUNTY	RNAV	RNAV (GPS) RWY 1, ORIG-B 13 NOVEMBER 2014	AMDT: ORIG-A
				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	KPBH
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	454217.5980N
LTP/FTP LONGITUDE	0902412.1420W
LTP/FTP ELLIPSOIDAL HEIGHT	+04159
FPAP LATITUDE	454346.0100N
FPAP LONGITUDE	0902356.5700W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
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	BAA3C57E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+04465
FPAP ORTHOMETRIC HEIGHT	+04465

QUALITY 9 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
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BAITS K50    C   L N45192448W090194102                    W0022     NAR           BAITS
        SUSAEAENRT   CAMEM K50    W     N45394876W090243832                    W0022     NAR           CAMEM
        SUSAEAENRT   GOFXO K50    W     N45372271W090250396                    W0022     NAR           GOFXO
        SUSAEAENRT   GUGFO K50    W     N45315610W090331112                    W0021     NAR           GUGFO
        SUSAEAENRT   LAYVU K50    C   L N45350485W090551641                    W0017     NAR           LAYVU
        SUSAEAENRT   LODVY K50    W     N45535906W090220828                    W0023     NAR           LODVY
        SUSAEAENRT   URPOW K50    W     N45311971W090260755                    W0022     NAR           URPOW

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPBHK5APBH     0     050YHN45423220W090240900E000001497         1800018000C    MNAR    PRICE COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPBHK5FR01   ABAITS 010BAITSK5EA0E  A    IF                                          18000                A JS
        SUSAP KPBHK5FR01   ABAITS 020URPOWK5EA0EE B 010TF                    33920128    + 04000                      A JS
        SUSAP KPBHK5FR01   ALAYVU 010LAYVUK5EA0E       IF                                          18000                A JS
        SUSAP KPBHK5FR01   ALAYVU 020GUGFOK5EA0E  A 020TF                    10130158    + 04000                      A JS
        SUSAP KPBHK5FR01   ALAYVU 030URPOWK5EA0EE B 010TF                    09690050    + 04000                      A JS
        SUSAP KPBHK5FR01   AURPOW 010URPOWK5EA0EE AR   HF                    00700050    + 04000     18000            A JS
        SUSAP KPBHK5FR01   R      010URPOWK5EA0E  I    IF                                + 04000     18000            A JS
        SUSAP KPBHK5FR01   R      020GOFXOK5EA1E  F 051TF                    00700061    + 03100                RW01  K5PGA JS
        SUSAP KPBHK5FR01   R      020GOFXOK5EA2WALPV       ALNAV/VNAV ALNAV                                          JS
        SUSAP KPBHK5FR01   R      021CAMEMK5EA0E S  031TF                    00700025    V 0230002302       -300   A JS
        SUSAP KPBHK5FR01   R      030RW01 K5PG0GY M 031TF                    00700025      01500            -300   A JS
        SUSAP KPBHK5FR01   R      040         0  M     CA                    0070        + 01808                   A JS
        SUSAP KPBHK5FR01   R      050LODVYK5EA0EY      DF                                + 04100                   A JS
        SUSAP KPBHK5FR01   R      060LODVYK5EA0EE  R   HM                    18710050    + 04100                   A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPBHK5GRW01    0050000070 N45421760W090241214+0600    +041590146500003507 5R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPBHK5PR01   RW01 001 0000W01A0N4542175980W09024121420+041590300N4543460100W090235657001067512240003 50F400500BAA3C57E
        SUSAP KPBHK5PR01   RW01 002E      +04465+04465LPV       56305
```

QUALITY CHECKED 9

CITY AND STATE	ELEVATION: **1497** **TDZE: 1483**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PHILLIPS, WI	AIRPORT NAME: **PRICE COUNTY**	**RNAV**	**RNAV (GPS) RWY 1, ORIG-B** 13 NOVEMBER 2014	AMDT: **ORIG-A**
				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.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPBHK5SRW01 K5PG                0   18018004125                                                                          M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1497 TDZE: 1483	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PHILLIPS, WI	AIRPORT NAME: PRICE COUNTY	RNAV	RNAV (GPS) RWY 1, ORIG-B 13 NOVEMBER 2014	AMDT: ORIG-A 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
	BAITS	BAITS	010	IAF	IF		FB					
	BAITS	URPOW	020		TF		FB	1.0	339.2(339.2T)	012.8	AA 04000	
	LAYVU	LAYVU	010		IF		FB					
	LAYVU	GUGFO	020	IAF	TF		FB	2.0	101.3(101.3T)	015.8	AA 04000	
	LAYVU	URPOW	030		TF		FB	1.0	096.9(096.9T)	005.0	AA 04000	
	URPOW	URPOW	010	IAF	HF	R	FO		007.0(007.0T)	005.0	AA 04000	
		URPOW	010	FACF	IF		FB				AA 04000	
		GOFXO	020	FAF	TF		FB	0.5	007.0(007.0T)	006.1	AA 03100	
		CAMEM	021	SDF	TF		FB	0.3	007.0(007.0T)	002.5	AA 02300	GS 02302
		RW01	030	MAP	TF		FO	0.3	007.0(007.0T)	002.5	AT 01500	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		007.0(007.0T)		AA 01808	
	LODVY	050		DF		FO				AA 04100	
	LODVY	060		HM	R	FO		187.1(187.1T)	005.0	AA 04100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BAITS	N451924.48	W0901941.02	N4519.408	W09019.684
	CAMEM	N453948.76	W0902438.32	N4539.813	W09024.639
	GOFXO	N453722.71	W0902503.96	N4537.379	W09025.066
	GUGFO	N453156.10	W0903311.12	N4531.935	W09033.185
	LAYVU	N453504.85	W0905516.41	N4535.081	W09055.274
	LODVY	N455359.06	W0902208.28	N4553.984	W09022.138
	URPOW	N453119.71	W0902607.55	N4531.329	W09026.126
	RW01	N454217.60	W0902412.14	N4542.293	W09024.202

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01	01465	35

CITY AND STATE	ELEVATION: 1497 TDZE: 1483	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PHILLIPS, WI	AIRPORT NAME: **PRICE COUNTY**	**RNAV**	**RNAV (GPS) RWY 1, ORIG-B** 13 NOVEMBER 2014	AMDT: **ORIG-A**
				DATED: **04/05/2012**

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30978; Amdt. No. 3608]

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 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 AUGUST 29, 2014.

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
16-Oct-14	IN	Angola	Tri-State Steuben County	4/0713	08/25/14	RNAV (GPS) RWY 5, Orig-B
16-Oct-14	IN	Angola	Tri-State Steuben County	4/0714	08/25/14	NDB RWY 5, Amdt 7A
16-Oct-14	IN	Angola	Tri-State Steuben County	4/0715	08/25/14	RNAV (GPS) RWY 23, Orig-A
16-Oct-14	IN	Goshen	Goshen Muni	4/0972	08/26/14	VOR RWY 9, Amdt 12A
16-Oct-14	IN	Goshen	Goshen Muni	4/0977	08/26/14	RNAV (GPS) RWY 9, Orig
16-Oct-14	KS	Topeka	Philip Billard Muni	4/1021	08/26/14	RNAV (GPS) RWY 13, Amdt 1
16-Oct-14	KS	Topeka	Philip Billard Muni	4/1025	08/26/14	RNAV (GPS) RWY 31, Amdt 1
16-Oct-14	KS	Topeka	Philip Billard Muni	4/1035	08/26/14	RNAV (GPS) RWY 36, Amdt 1
16-Oct-14	KS	Topeka	Philip Billard Muni	4/1036	08/26/14	RNAV (GPS) RWY 18, Amdt 2
16-Oct-14	KS	Topeka	Philip Billard Muni	4/1040	08/26/14	LOC BC RWY 31, Amdt 19A
16-Oct-14	IN	Terre Haute	Terre Haute Intl-Hulman Field	4/1053	08/26/14	RNAV (GPS) RWY 23, Amdt 1
16-Oct-14	IN	Terre Haute	Terre Haute Intl-Hulman Field	4/1062	08/26/14	LOC BC RWY 23, Amdt 19A
16-Oct-14	IN	Terre Haute	Terre Haute Intl-Hulman Field	4/1079	08/26/14	VOR RWY 23, Amdt 20B
16-Oct-14	RI	Providence	Theodore Francis Green State	4/1192	08/25/14	RNAV (GPS) RWY 16, Orig-B
16-Oct-14	NY	Monticello	Sullivan County Intl	4/1196	08/25/14	NDB RWY 15, Amdt 7A
16-Oct-14	NY	Monticello	Sullivan County Intl	4/1198	08/25/14	ILS OR LOC RWY 15, Amdt 5D
16-Oct-14	TX	Caddo Mills	Caddo Mills Muni	4/1216	08/25/14	Takeoff Minimums and (Obstacle) DP, Orig
16-Oct-14	TX	Caddo Mills	Caddo Mills Muni	4/1217	08/25/14	RNAV (GPS) RWY 36, Orig
16-Oct-14	TX	Caddo Mills	Caddo Mills Muni	4/1218	08/25/14	NDB RWY 36, Amdt 2B
16-Oct-14	TN	Fayetteville	Fayetteville Muni	4/1299	08/25/14	VOR/DME RWY 2, Orig-D
16-Oct-14	TN	Fayetteville	Fayetteville Muni	4/1300	08/25/14	NDB RWY 20, Amdt 5
16-Oct-14	VA	Warrenton	Warrenton-Fauquier	4/1305	08/22/14	RNAV (GPS) RWY 15, Amdt 1
16-Oct-14	VA	Warrenton	Warrenton-Fauquier	4/1306	08/22/14	VOR RWY 15, Amdt 4B
16-Oct-14	VA	Warrenton	Warrenton-Fauquier	4/1309	08/22/14	LOC/DME RWY 15, Orig
16-Oct-14	PA	Greenville	Greenville Muni	4/1312	08/25/14	VOR OR GPS A, Amdt 1
16-Oct-14	VA	Warrenton	Warrenton-Fauquier	4/1313	08/22/14	RNAV (GPS) RWY 33, Orig
16-Oct-14	PA	Philadelphia	Philadelphia Intl	4/1344	08/26/14	RNAV (GPS) RWY 26, Amdt 1A

16-Oct-14	PA	Philadelphia	Philadelphia Intl	4/1345	08/26/14	ILS OR LOC RWY 26, Amdt 4A
16-Oct-14	PA	Philadelphia	Philadelphia Intl	4/1349	08/26/14	RNAV (GPS) RWY 27L, Amdt 1A
16-Oct-14	PA	Philadelphia	Philadelphia Intl	4/1350	08/26/14	ILS OR LOC RWY 27L, Amdt 12B
16-Oct-14	AL	Bessemer	Bessemer	4/1539	08/25/14	VOR RWY 5, Amdt 6
16-Oct-14	PA	Bradford	Bradford Rgnl	4/1834	08/22/14	RNAV (GPS) RWY 14, Amdt 1A
16-Oct-14	PA	Bradford	Bradford Rgnl	4/1839	08/22/14	ILS OR LOC RWY 32, Amdt 12A
16-Oct-14	PA	Bradford	Bradford Rgnl	4/1840	08/22/14	RNAV (GPS) RWY 32, Amdt 1B
16-Oct-14	GA	Donalsonville	Donalsonville Muni	4/2294	08/22/14	RNAV (GPS) RWY 36, Amdt 1
16-Oct-14	TX	Waco	TSTC Waco	4/2340	08/26/14	ILS OR LOC RWY 17L, Amdt 13
16-Oct-14	CT	Danielson	Danielson	4/2471	08/26/14	VOR A, Amdt 6D
16-Oct-14	NC	Asheboro	Asheboro Rgnl	4/2518	08/25/14	VOR A, Amdt 3
16-Oct-14	IA	Burlington	Southeast Iowa Rgnl	4/2723	08/22/14	RNAV (GPS) RWY 30, Amdt 1
16-Oct-14	KY	Madisonville	Madisonville Muni	4/2790	08/26/14	RNAV (GPS) RWY 5, Orig
16-Oct-14	KY	Madisonville	Madisonville Muni	4/2792	08/26/14	RNAV (GPS) RWY 23, Orig
16-Oct-14	KY	Madisonville	Madisonville Muni	4/2793	08/26/14	VOR RWY 23, Amdt 14
16-Oct-14	NY	Shirley	Brookhaven	4/2904	08/26/14	RNAV (GPS) Y RWY 24, Amdt 1
16-Oct-14	VA	Hot Springs	Ingalls Field	4/2910	08/26/14	ILS OR LOC RWY 25, Amdt 4
16-Oct-14	MA	Mansfield	Mansfield Muni	4/2911	08/22/14	RNAV (GPS) RWY 32, Orig-A
16-Oct-14	PA	Harrisburg	Capital City	4/2942	08/26/14	RNAV (GPS) RWY 26, Orig-A
16-Oct-14	TX	El Paso	El Paso Intl	4/3641	08/22/14	RNAV (RNP) Z RWY 26L, Amdt 1
16-Oct-14	TX	El Paso	El Paso Intl	4/3642	08/22/14	RNAV (RNP) Z RWY 22, Amdt 1
16-Oct-14	TX	El Paso	El Paso Intl	4/3643	08/22/14	RNAV (GPS) X RWY 4, Orig-B
16-Oct-14	TX	El Paso	El Paso Intl	4/3650	08/22/14	RNAV (RNP) Y RWY 4, Orig-C
16-Oct-14	TX	El Paso	El Paso Intl	4/3654	08/22/14	RNAV (RNP) Z RWY 4, Orig-B
16-Oct-14	TX	El Paso	El Paso Intl	4/3655	08/22/14	RNAV (GPS) Y RWY 26L, Amdt 1A
16-Oct-14	TX	El Paso	El Paso Intl	4/3656	08/22/14	VOR RWY 26L, Amdt 32
16-Oct-14	LA	Monroe	Monroe Rgnl	4/3691	08/22/14	VOR/DME RWY 32, Amdt 4
16-Oct-14	LA	Monroe	Monroe Rgnl	4/3692	08/22/14	VOR/DME RWY 22, Amdt 9

16-Oct-14	LA	Monroe	Monroe Rgnl	4/3693	08/22/14	ILS OR LOC RWY 22, Amdt 4
16-Oct-14	LA	Monroe	Monroe Rgnl	4/3694	08/22/14	ILS OR LOC RWY 4, Amdt 23
16-Oct-14	LA	Monroe	Monroe Rgnl	4/3695	08/22/14	RNAV (GPS) RWY 32, Orig-A
16-Oct-14	LA	Monroe	Monroe Rgnl	4/3696	08/22/14	VOR RWY 4, Amdt 18
16-Oct-14	LA	Monroe	Monroe Rgnl	4/3697	08/22/14	RNAV (GPS) RWY 4, Amdt 1
16-Oct-14	LA	Monroe	Monroe Rgnl	4/3699	08/22/14	VOR RWY 22, Amdt 5
16-Oct-14	LA	Monroe	Monroe Rgnl	4/3700	08/22/14	RNAV (GPS) RWY 22, Amdt 1
16-Oct-14	LA	Monroe	Monroe Rgnl	4/3701	08/22/14	VOR/DME RWY 4, Amdt 3
16-Oct-14	MI	Detroit	Coleman A. Young Muni	4/3766	08/22/14	ILS OR LOC RWY 15, Amdt 10
16-Oct-14	MO	St Louis	Lambert-St Louis Intl	4/3794	08/26/14	RNAV (RNP) Z RWY 29, Orig
16-Oct-14	MO	St Louis	Lambert-St Louis Intl	4/3795	08/26/14	RNAV (RNP) Z RWY 11, Orig
16-Oct-14	MO	St Louis	Lambert-St Louis Intl	4/3796	08/26/14	RNAV (GPS) RWY 24, Amdt 1A
16-Oct-14	MO	St Louis	Lambert-St Louis Intl	4/3798	08/26/14	RNAV (RNP) Z RWY 30R, Orig
16-Oct-14	MO	St Louis	Lambert-St Louis Intl	4/3799	08/26/14	RNAV (RNP) Z RWY 12L, Orig
16-Oct-14	MO	St Louis	Lambert-St Louis Intl	4/3800	08/26/14	RNAV (GPS) RWY 6, Amdt 1A
16-Oct-14	IA	Burlington	Southeast Iowa Rgnl	4/3857	08/22/14	VOR RWY 30, Amdt 13A
16-Oct-14	PA	Perkasie	Pennridge	4/3952	08/26/14	RNAV (GPS) RWY 26, Orig-A
16-Oct-14	PA	Perkasie	Pennridge	4/3953	08/26/14	RNAV (GPS) RWY 8, Amdt 1A
16-Oct-14	NC	Raleigh/ Durham	Raleigh-Durham Intl	4/3969	08/26/14	VOR RWY 23L, Amdt 14D
16-Oct-14	HI	Hilo	Hilo Intl	4/4084	08/26/14	RNAV (GPS) RWY 26, Orig-B
16-Oct-14	AZ	Mesa	Falcon Fld	4/4135	08/26/14	RNAV (GPS) RWY 4R, Amdt 1B
16-Oct-14	NY	Plattsburgh	Plattsburgh Intl	4/5059	08/26/14	RNAV (GPS) RWY 17, Amdt 1A
16-Oct-14	CA	Paso Robles	Paso Robles Muni	4/5348	08/25/14	VOR/DME RWY 19, Amdt 4A
16-Oct-14	MS	Columbus/W Point/ Starkville	Golden Triangle Rgnl	4/5592	08/22/14	ILS OR LOC RWY 18, Amdt 8
16-Oct-14	GA	Griffin	Griffin-Spalding County	4/5743	08/25/14	RNAV (GPS) RWY 32, Orig-A
16-Oct-14	GA	Griffin	Griffin-Spalding County	4/5744	08/25/14	RNAV (GPS) RWY 14, Orig-B

16-Oct-14	FL	Venice	Venice Muni	4/6070	08/25/14	RNAV (GPS) RWY 5, Orig-A
16-Oct-14	FL	Venice	Venice Muni	4/6091	08/25/14	RNAV (GPS) RWY 31, Amdt 1A
16-Oct-14	FL	Venice	Venice Muni	4/6093	08/25/14	RNAV (GPS) RWY 23, Orig-A
16-Oct-14	FL	Venice	Venice Muni	4/6105	08/25/14	RNAV (GPS) RWY 13, Amdt 1A
16-Oct-14	FL	Venice	Venice Muni	4/6110	08/25/14	NDB RWY 31, Amdt 2A
16-Oct-14	TX	Brownsville	Brownsville/South Padre Island Intl	4/7288	08/22/14	ILS OR LOC RWY 13R, Amdt 1A
16-Oct-14	TX	Ballinger	Bruce Field	4/7291	08/22/14	RNAV (GPS) RWY 17, Orig
16-Oct-14	TX	Brownsville	Brownsville/South Padre Island Intl	4/7295	08/22/14	RNAV (GPS) RWY 13R, Amdt 2
16-Oct-14	TX	Amarillo	Tradewind	4/7297	08/22/14	RNAV (GPS) RWY 35, Orig
16-Oct-14	TX	Austin	Austin-Bergstrom Intl	4/7303	08/26/14	RNAV (GPS) RWY 35R, Amdt 1
16-Oct-14	TX	Austin	Austin-Bergstrom Intl	4/7317	08/26/14	ILS OR LOC RWY 35R, Amdt 2
16-Oct-14	TX	Austin	Austin-Bergstrom Intl	4/7318	08/26/14	RNAV (GPS) RWY 35L, Amdt 1
16-Oct-14	TX	Austin	Austin-Bergstrom Intl	4/7319	08/26/14	ILS OR LOC RWY 35L, Amdt 5A
16-Oct-14	TX	Big Spring	Big Spring Mc Mahon-Wrinkle	4/7320	08/22/14	RNAV (GPS) RWY 6, Orig
16-Oct-14	TX	Bonham	Jones Field	4/7321	08/22/14	RNAV (GPS) RWY 35, Amdt 1
16-Oct-14	TX	Breckenridge	Stephens County	4/7322	08/22/14	RNAV (GPS) RWY 17, Orig
16-Oct-14	TX	Brenham	Brenham Muni	4/7323	08/22/14	RNAV (GPS) RWY 34, Amdt 2
16-Oct-14	TX	Caldwell	Caldwell Muni	4/7324	08/22/14	RNAV (GPS) RWY 33, Orig
16-Oct-14	TX	Bryan	Coulter Field	4/7325	08/22/14	RNAV (GPS) RWY 15, Amdt 1
16-Oct-14	ND	Rugby	Rugby Muni	4/7562	08/26/14	RNAV (GPS) RWY 30, Orig
16-Oct-14	KS	Meade	Meade Muni	4/7576	08/22/14	RNAV (GPS) RWY 35, Orig
16-Oct-14	KS	Ottawa	Ottawa Muni	4/7579	08/22/14	RNAV (GPS) RWY 35, Amdt 1
16-Oct-14	KS	Paola	Miami County	4/7580	08/22/14	RNAV (GPS) RWY 3, Amdt 1
16-Oct-14	KS	Pittsburg	Atkinson Muni	4/7587	08/26/14	RNAV (GPS) RWY 34, Amdt 2A
16-Oct-14	KS	Marysville	Marysville Muni	4/7588	08/22/14	RNAV (GPS) RWY 16, Orig
16-Oct-14	KS	Pittsburg	Atkinson Muni	4/7589	08/26/14	RNAV (GPS) RWY 22, Amdt 1A
16-Oct-14	KS	Marysville	Marysville Muni	4/7590	08/22/14	RNAV (GPS) RWY 34, Orig
16-Oct-14	ND	Rugby	Rugby Muni	4/7611	08/26/14	RNAV (GPS) RWY 12, Orig
16-Oct-14	OR	Ontario	Ontario Muni	4/7954	08/25/14	NDB RWY 32, Amdt 5A
16-Oct-14	SD	Wagner	Wagner Muni	4/8915	08/22/14	RNAV (GPS) RWY 9, Orig
16-Oct-14	OH	Batavia	Clermont County	4/9454	08/25/14	RNAV (GPS) RWY 22, Amdt 1A

16-Oct-14	TX	Waco	TSTC Waco	4/9625	08/26/14	RNAV (GPS) RWY 17L, Amdt 1

AIRAC Date: 16 OCTOBER 2014

FDC **4/0713** ANQ IAP TRI-STATE STEUBEN COUNTY, ANGOLA, IN. RNAV (GPS) RWY 5, ORIG-B... CHART NOTE: PROCEDURE NA AT NIGHT FOR CAT C AIRCRAFT. DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 23 NA. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). DELETE NOTE: BARO-VNAV NA. THIS IS RNAV (GPS) RWY 5, ORIG-C. 1407151308-PERM

FDC **4/0714** ANQ IAP TRI-STATE STEUBEN COUNTY, ANGOLA, IN. NDB RWY 5, AMDT 7A... CHART NOTE: PROCEDURE NA AT NIGHT FOR CAT C AIRCRAFT. CHART NOTE: NIGHT LANDING: RWY 23 NA. DELETE NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS NDB RWY 5, AMDT 7B. 1407151308-PERM

FDC **4/0715** ANQ IAP TRI-STATE STEUBEN COUNTY, ANGOLA, IN. RNAV (GPS) RWY 23, ORIG-A... CHART NOTE: PROCEDURE NA AT NIGHT FOR CAT C AIRCRAFT. CHART NOTE: NIGHT LANDING: RWY 23 NA. DELETE NOTE: PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 23, ORIG-B. 1407151308-PERM

FDC **4/0972** GSH IAP GOSHEN MUNI, GOSHEN, IN. VOR RWY 9, AMDT 12A... S-9 HAT 480 ALL CATS. CHART TDZE 820. DELETE TDZE 825. THIS IS VOR RWY 9, AMDT 12B. 1404111345-PERM

FDC **4/0977** GSH IAP GOSHEN MUNI, GOSHEN, IN. RNAV (GPS) RWY 9, ORIG... CHANGE THRE 820 TO TDZE 820. THIS IS RNAV (GPS) RWY 9, ORIG-A. 1404111345-PERM

FDC **4/1021** TOP IAP PHILIP BILLARD MUNI, TOPEKA, KS. RNAV (GPS) RWY 13, AMDT 1... LPV DA 1081. LNAV/VNAV DA 1131. LNAV HAT 399 ALL CATS. CHART TDZE 881. DELETE THRE 880. THIS IS RNAV (GPS) RWY 13, AMDT 1A. 1404111403-PERM

FDC **4/1025** TOP IAP PHILIP BILLARD MUNI, TOPEKA, KS. RNAV (GPS) RWY 31, AMDT 1... LP HAT 440 ALL CATS. LNAV HAT 460 ALL CATS. CHART TDZE 880. DELETE THRE 875. THIS IS RNAV (GPS) RWY 31, AMDT 1A. 1404111403-PERM

FDC **4/1035** TOP IAP PHILIP BILLARD MUNI, TOPEKA, KS. RNAV (GPS) RWY 36, AMDT 1... CHANGE THRE 881 TO TDZE 881. THIS IS RNAV (GPS) RWY 36, AMDT 1A. 1404111403-PERM

FDC **4/1036** TOP IAP PHILIP BILLARD MUNI, TOPEKA, KS. RNAV (GPS) RWY 18, AMDT 2... LPV DA 1174. LNAV/VNAV DA 1340. LNAV HAT 439 ALL CATS. CHART TDZE 881. DELETE THRE 880. THIS IS RNAV (GPS) RWY 18, AMDT 2A. 1404111403-PERM

FDC **4/1040** TOP IAP PHILIP BILLARD MUNI, TOPEKA, KS. LOC BC RWY 31, AMDT 19A... S-31 HAT 520 ALL CATS. CHART TDZE 880. DELETE THRE 879. THIS IS LOC BC RWY 31, AMDT 19B. 1404111403-PERM

FDC **4/1053** HUF IAP TERRE HAUTE INTL-HULMAN FIELD, TERRE HAUTE, IN. RNAV (GPS) RWY 23, AMDT 1... CHANGE THRE 582 TO TDZE 582. THIS IS RNAV (GPS) RWY 23, AMDT 1A. 1404111412-PERM

FDC **4/1062** HUF IAP TERRA HAUTE INTL-HULMAN FIELD, TERRA HAUTE, IN. LOC BC RWY 23, AMDT 19A... S-23 HAT 398 ALL CATS. CHART TDZE 582. DELETE TDZE 583. THIS IS LOC BC RWY 23, AMDT 19B. 1404111412-PERM

FDC **4/1079** HUF IAP TERRA HAUTE INTL-HULMAN FIELD, TERRA HAUTE, IN. VOR RWY 23, AMDT 20B... S-23 HAT 398 ALL CATS. CHART TDZE 582. DELETE TDZE 583. THIS IS VOR RWY 23, AMDT 20C. 1404111412-PERM

FDC **4/1192** PVD IAP THEODORE FRANCIS GREEN STATE, PROVIDENCE, RI. RNAV (GPS) RWY 16, ORIG-B... CHART NOTE: NIGHT LANDING: RWY 16 CAT C AND D NA. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 16, ORIG-C. 1408071514-PERM

FDC **4/1196** MSV IAP SULLIVAN COUNTY INTL, MONTICELLO, NY. NDB RWY 15, AMDT 7A... DELETE NOTE: NIGHT LANDING: RWY 15 NA. DELETE NOTE: HELICOPTER VISIBLITY REDUCTION BELOW 1 SM NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS NDB RWY 15, AMDT 7B. 1408071532-PERM

FDC **4/1198** MSV IAP SULLIVAN COUNTY INTL, MONTICELLO, NY. ILS OR LOC RWY 15, AMDT 5D... DELETE NOTE: NIGHT LANDING: RWY 15 NA. DELETE NOTE: HELICOPTER VISIBLITY REDUCTION BELOW 1 SM NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS ILS OR LOC RWY 15, AMDT 5E. 1408071532-PERM

FDC **4/1216** 7F3 ODP CADDO MILLS MUNI, CADDO MILLS, TX. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... CHANGE ALL REFERENCE TO RWY 17-35 TO RWY 18-36. CHART TAKEOFF MINIMUMS: RWY 13, 18, 31, 36 STANDARD. DELETE: TAKEOFF MINIMUMS: RWYS 18,36 NA. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES , ORIG-A. 1408071554-PERM

FDC **4/1217** 7F3 IAP CADDO MILLS MUNI, CADDO MILLS, TX. RNAV (GPS) RWY 36, ORIG... CHANGE ALL REFERENCE TO RWY 17-35 TO 18-36. DELETE NOTE: CIRCLING NA TO RWY 18/36. THIS IS RNAV (GPS) RWY 36, ORIG-A. 1408071554-PERM

FDC **4/1218** 7F3 IAP CADDO MILLS MUNI, CADDO MILLS, TX. NDB RWY 36, AMDT 2B... CHANGE ALL REFERENCE TO RWY 17-35 TO 18-36. DELETED NOTE: CIRCLING NA TO RWY 18/36. THIS IS NDB RWY 36, AMDT 2C. 1408071554-PERM

FDC **4/1299** FYM IAP FAYETTEVILLE MUNI, FAYETTEVILLE, TN. VOR/DME RWY 2, ORIG-D... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE HUNTSVILLE ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HUNTSVILLE ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET; INCREASE S-2 CAT C/D VISIBILITY 1/4 MILE, CIRCLING CAT C VISIBILITY 1/2 MILE, AND CIRCLING CAT D VISIBILITY 1/4 MILE. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RQZ VORTAC ON V321 SOUTHBOUND. THIS IS VOR/DME RWY 2, ORIG-E. 1408071830-PERM

FDC **4/1300** FYM IAP FAYETTEVILLE MUNI, FAYETTEVILLE, TN. NDB RWY 20, AMDT 5... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. THIS IS NDB RWY 20, AMDT 5A. 1408071830-PERM

FDC **4/1305** HWY IAP WARRENTON-FAUQUIER, WARRENTON, VA. RNAV (GPS) RWY 15, AMDT 1... LPV DA 527. LNAV/VNAV DA 585. LNAV HAT 453 ALL CATS. CHART TDZE 327 DELETE THRE 313. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CULPEPER ALTIMETER SETTING AND INCREASE ALL DA 22 FEET, AND ALL MDA 40 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS RNAV (GPS) RWY 15, AMDT 1A. 1408071915-PERM

FDC **4/1306** HWY IAP WARRENTON-FAUQUIER, WARRENTON, VA. VOR RWY 15, AMDT 4B... S-15 HAT 733 ALL CATS. MABEE FIX MINIMUMS S-15 HAT 493 ALL CATS. CHART TDZE 327 DELETE THRE 313. CHART IN PROFILE: * AT MABEE 1060 CHART PROFILE NOTE: *1100 WHEN USING CULPEPER ALTIMETER SETTING. CHANGE MABEE FIX MINIMUMS TO READ: MABEE FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED). THIS IS VOR RWY 15, AMDT 4C. 1408071915-PERM

FDC **4/1309** HWY IAP WARRENTON-FAUQUIER, WARRENTON, VA. LOC/DME RWY 15, ORIG... S-15 HAT 453 ALL CATS. CHART TDZE 327 DELETE THRE 313. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. THIS IS LOC/DME RWY 15, ORIG-A. 1408071915-PERM

FDC **4/1312** 4G1 IAP GREENVILLE MUNI, GREENVILLE, PA. VOR OR GPS A, AMDT 1... TERMINAL ROUTE DENTL INT/YNG 6 DME TO KOUTH INT/YNG 13 DME MINIMUM ALTITUDE 2100. MSA FROM YNG VORTAC 225 TO 135 3100, 135 TO 225 3600. THIS IS VOR OR GPS A, AMDT 1A. 1408071916-PERM

FDC **4/1313** HWY IAP WARRENTON-FAUQUIER, WARRENTON, VA. RNAV (GPS) RWY 33, ORIG... CHANGE THRE 336 TO TDZE 336. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 33, ORIG-A. 1408071915-PERM

FDC **4/1344** PHL IAP PHILADELPHIA INTL, PHILADELPHIA, PA. RNAV (GPS) RWY 26, AMDT 1A... CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 27L. CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS. CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 26, AMDT 1B. 1408072016-PERM

FDC **4/1345** PHL IAP PHILADELPHIA INTL, PHILADELPHIA, PA. ILS OR LOC RWY 26, AMDT 4A... CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 27L. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED. THIS IS ILS OR LOC RWY 26, AMDT 4B. 1408072016-PERM

FDC **4/1349** PHL IAP PHILADELPHIA INTL, PHILADELPHIA, PA. RNAV (GPS) RWY 27L, AMDT 1A... CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 26. CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS. CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS. THIS IS RNAV (GPS) RWY 27L, AMDT 1B. 1408072016-PERM

FDC **4/1350** PHL IAP PHILADELPHIA INTL, PHILADELPHIA, PA. ILS OR LOC RWY 27L, AMDT 12B... CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 26. THIS IS ILS OR LOC RWY 27L, AMDT 12C. 1408072016-PERM

FDC **4/1539** EKY IAP BESSEMER, BESSEMER, AL. VOR RWY 5, AMDT 6... CHANGE ALTIMETER NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALABASTER ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE S-5 CAT C AND D VISIBILITY 1/4 MILE. THIS IS VOR RWY 5, AMDT 6A. 1408081131-PERM

FDC **4/1834** BFD IAP BRADFORD RGNL, BRADFORD, PA. RNAV (GPS) RWY 14, AMDT 1A... LPV DA 2369. LNAV/VNAV DA 2517, VISIBILITY 1 3/8 ALL CATS. LNAV HAT 453. CHART TDZE 2119 DELETE THRE 2108. CHANGE WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST. MARYS ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE ST. MARYS ALTIMETER SETTING AND INCREASE ALL DA 85 FEET AND ALL MDA 100 FEET; INCREASE LPV ALL CATS VISIBILITY 3/8 MILE, LNAV/VNAV ALL CATS AND LNAV CATS C AND D VISIBILITY 1/4 MILE AND CIRCLING CAT C VISIBILITY 1/8 MILE. THIS IS RNAV (GPS) RWY 14, AMDT 1B. 1408081817-PERM

FDC **4/1839** BFD IAP BRADFORD RGNL, BRADFORD, PA. ILS OR LOC RWY 32, AMDT 12A... S-ILS 32 DA 2370. S-LOC 32 HAT 400 ALL CATS CHART TDZE 2120 DELETE THRE 2100. CHANGE INOPERATIVE MALSR NOTES TO READ: FOR INOPERATIVE MALSR INCREASE S-LOC 32 CATS A AND B VISIBILITY TO 1 MILE AND CATS C AND D VISIBILITY TO 1 1/8 MILE. FOR INOPERATIVE MALSR WHEN USING ST. MARYS ALTIMETER SETTING INCREASE S-ILS 32 ALL CATS VISIBILITY TO 1 1/8 MILE AND S-LOC 32 CATS A AND B VISIBILITY TO 1 MILE AND CATS C AND D VISIBILITY TO 1 3/8. THIS IS ILS OR LOC RWY 32, AMDT 12B. 1408081817-PERM

FDC **4/1840** BFD IAP BRADFORD RGNL, BRADFORD, PA. RNAV (GPS) RWY 32, AMDT 1B... LPV DA 2370 LNAV/VNAV DA 2600 LNAV HAT 440 CHART TDZE 2120 DELETE THRE 2100. CHANGE INOPERATIVE MALSR, NOTE WITH LOCAL ALTIMETER TO READ: FOR INOPERATIVE MALSR, INCREASE LNAV CATS A/B VISIBILITY TO 1 MILE. THIS IS RNAV (GPS) RWY 32, AMDT 1C. 1408081817-PERM

FDC **4/2294** 17J IAP DONALSONVILLE MUNI, DONALSONVILLE, GA. RNAV (GPS) RWY 36, AMDT 1... LPV: DA 422. LNAV/VNAV: DA 461. LNAV: MDA 540/HAT 398 ALL CATS. CHART TDZE 142, DELETE THRE 131. THIS IS RNAV (GPS) RWY 36, AMDT 1A. 1408111648-PERM

FDC **4/2340** CNW IAP TSTC WACO, WACO, TX. ILS OR LOC RWY 17L, AMDT 13... CHANGE THRE 470 TO TDZE 470. THIS IS ILS OR LOC RWY 17L, AMDT 13A. 1404141143-PERM

FDC **4/2471** LZD IAP DANIELSON, DANIELSON, CT. VOR A, AMDT 6D... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR A, AMDT 6E. 1408121105-PERM

FDC **4/2518** HBI IAP ASHEBORO RGNL, ASHEBORO, NC. VOR A, AMDT 3... CHANGE APT ELEV FROM 673 TO 671. CIRCLING HAA CAT A 649, CAT B 689, CAT D 1009. CIRCLING CAT C MDA 1680/HAA 1009, VIS 3. CHART NOTE: PROCEDURE NA FOR ARRIVAL ON GSO VORTAC AIRWAY RADIALS 162 CW 231. THIS IS VOR A, AMDT 3A. 1408121143-PERM

FDC **4/2723** BRL IAP SOUTHEAST IOWA RGNL, BURLINGTON, IA. RNAV (GPS) RWY 30, AMDT 1... CHANGE THRE 697 TO TDZE 697. THIS IS RNAV (GPS) RWY 30, AMDT 1A. 1404021952-PERM

FDC **4/2790** 2I0 IAP MADISONVILLE MUNI, MADISONVILLE, KY. RNAV (GPS) RWY 5, ORIG... CHART NOTE: NIGHT LANDING RWY 5 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 5, ORIG-A. 1408121449-PERM

FDC **4/2792** 2I0 IAP MADISONVILLE MUNI, MADISONVILLE, KY. RNAV (GPS) RWY 23, ORIG... CHART NOTE: NIGHT LANDING RWY 5 NA. THIS IS RNAV (GPS) RWY 23, ORIG-A. 1408121449-PERM

FDC **4/2793** 2I0 IAP MADISONVILLE MUNI, MADISONVILLE, KY. VOR RWY 23, AMDT 14... CHART NOTE: NIGHT LANDING RWY 5 NA. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS VOR RWY 23, AMDT 14A. 1408121449-PERM

FDC **4/2904** HWV IAP BROOKHAVEN, SHIRLEY, NY. RNAV (GPS) Y RWY 24, AMDT 1... LNAV MDA 500/HAT 419 ALL CATS. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) Y RWY 24, AMDT 1A. 1408121818-PERM

FDC **4/2910** HSP IAP INGALLS FIELD, HOT SPRINGS, VA. ILS OR LOC RWY 25, AMDT 4... MISSED APPROACH: CLIMB TO 4400 THEN CLIMBING RIGHT TURN TO 5600 ON LWB VOR/DME R-087 TO CAXWO/LWB 15.05 DME AND HOLD W, LT, 087.29 INBOUND. CHART NOTE: DME REQUIRED. DELETE ALL REFERENCES TO NATTS INT AND HOLDING PATTERN AT NATTS. DO NOT CHART ROA R-003 AT CAXWO. THIS IS ILS OR LOC RWY 25, AMDT 4A. 1408121820-PERM

FDC **4/2911** 1B9 IAP MANSFIELD MUNI, MANSFIELD, MA. RNAV (GPS) RWY 32, ORIG-A... DELETE NOTE: RWY 32 STRAIGHT-IN AND CIRCLING AND CIRCLING TO RWY 14 AND 22 NA AT NIGHT. CHART NOTE: PROCEDURE NA AT NIGHT. LNAV HAT 479 ALL CATS. CHART TDZE 121 DELETE THRE 120. THIS IS RNAV (GPS) RWY 32, ORIG-B. 1408121821-PERM

FDC **4/2942** CXY IAP CAPITAL CITY, HARRISBURG, PA. RNAV (GPS) RWY 26, ORIG-A... CHANGE PROCEDURE NA AT NIGHT NOTE TO READ: NIGHT LANDING: RWY 12, 30 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 26, ORIG-B. 1408122032-PERM

FDC **4/3641** ELP IAP EL PASO INTL, EL PASO, TX. RNAV (RNP) Z RWY 26L, AMDT 1... CHANGE THRE 3962 TO TDZE 3962. THIS IS RNAV (RNP) Z RWY 26L, AMDT 1A. 1404032014-PERM

FDC **4/3642** ELP IAP EL PASO INTL, EL PASO, TX. RNAV (RNP) Z RWY 22, AMDT 1... CHANGE THRE 3949 TO TDZE 3949. THIS IS RNAV (RNP) Z RWY 22, AMDT 1A. 1404032014-PERM

FDC **4/3643** ELP IAP EL PASO INTL, EL PASO, TX. RNAV (GPS) X RWY 4, ORIG-B... LNAV HAT 397 ALL CATS. CHART TDZE 3923 DELETE THRE 3917. THIS IS RNAV (GPS) X RWY 4, ORIG-C. 1404032014-PERM

FDC **4/3650** ELP IAP EL PASO INTL, EL PASO, TX. RNAV (RNP) Y RWY 4, ORIG-C... RNP 0.20 DA 4186 RNP 0.30 DA 4308 CHART TDZE 3923 DELETE THRE 3917. THIS IS RNAV (RNP) Y RWY 4, ORIG-D. 1404032014-PERM

FDC **4/3654** ELP IAP EL PASO INTL, EL PASO, TX. RNAV (RNP) Z RWY 4, ORIG-B... RNP 0.20 DA 4173. RNP 0.30 DA 4308. CHART TDZE 3923 DELETE THRE 3917. THIS IS RNAV (RNP) Z RWY 4, ORIG-C. 1404032014-PERM

FDC **4/3655** ELP IAP EL PASO INTL, EL PASO, TX. RNAV (GPS) Y RWY 26L, AMDT 1A... CHANGE THRE 3962 TO TDZE 3962. THIS IS RNAV (GPS) Y RWY 26L, AMDT 1B. 1404032014-PERM

FDC **4/3656** ELP IAP EL PASO INTL, EL PASO, TX. VOR RWY 26L, AMDT 32... CHANGE THRE 3962 TO TDZE 3962. THIS IS VOR RWY 26L, AMDT 32A. 1404032014-PERM

FDC **4/3691** MLU IAP MONROE RGNL, MONROE, LA. VOR/DME RWY 32, AMDT 4... S-32 HAT 382 ALL CATS. CHART TDZE 78 DELETE THRE 75. THIS IS VOR/DME RWY 32, AMDT 4A. 1404032106-PERM

FDC **4/3692** MLU IAP MONROE RGNL, MONROE, LA. VOR/DME RWY 22, AMDT 9... S-22 HAT 482 ALL CATS. CHART TDZE 78 DELETE THRE 75. THIS IS VOR/DME RWY 22, AMDT 9A. 1404032106-PERM

FDC **4/3693** MLU IAP MONROE RGNL, MONROE, LA. ILS OR LOC RWY 22, AMDT 4... S-ILS 22 DA 278. S-LOC 22 HAT 482 ALL CATS. UTPEF FIX MINIMUMS: S-LOC 22 HAT 342 ALL CATS. CHART TDZE 78 DELETE THRE 75. THIS IS ILS OR LOC RWY 22, AMDT 4A. 1404032106-PERM

FDC **4/3694** MLU IAP MONROE RGNL, MONROE, LA. ILS OR LOC RWY 4, AMDT 23... S-ILS 4 DA 278. S-LOC 4 HAT 462 ALL CATS. UXGOY FIX MINIMUMS: S-LOC 4 HAT 342 ALL CATS. CHART TDZE 78 DELETE THRE 76 THIS IS ILS OR LOC RWY 4, AMDT 23A. 1404032106-PERM

FDC **4/3695** MLU IAP MONROE RGNL, MONROE, LA. RNAV (GPS) RWY 32, ORIG-A... LPV DA 328. LNAV/VNAV DA 356. LNAV HAT 382 ALL CATS. CHART TDZE 78 DELETE THRE 75. THIS IS RNAV (GPS) RWY 32, ORIG-B. 1404032106-PERM

FDC **4/3696** MLU IAP MONROE RGNL, MONROE, LA. VOR RWY 4, AMDT 18... S-4 HAT 562 ALL CATS. CHART TDZE 78 DELETE THRE 76. THIS IS VOR RWY 4, AMDT 18A. 1404032106-PERM

FDC **4/3697** MLU IAP MONROE RGNL, MONROE, LA. RNAV (GPS) RWY 4, AMDT 1... LPV DA 278. LNAV/VNAV DA 383. LNAV HAT 382 ALL CATS. CHART TDZE 78 DELETE THRE 76. THIS IS RNAV (GPS) RWY 4, AMDT 1A. 1404032106-PERM

FDC **4/3699** MLU IAP MONROE RGNL, MONROE, LA. VOR RWY 22, AMDT 5... S-22 HAT 562 ALL CATS. CHART TDZE 78 DELETE THRE 75. THIS IS VOR RWY 22, AMDT 5A. 1404032106-PERM

FDC **4/3700** MLU IAP MONROE RGNL, MONROE, LA. RNAV (GPS) RWY 22, AMDT 1... LPV DA 278. LNAV/VNAV DA 393. LNAV HAT 402 ALL CATS. CHART TDZE 78 DELETE THRE 75. THIS IS RNAV (GPS) RWY 22, AMDT 1A. 1404032106-PERM

FDC **4/3701** MLU IAP MONROE RGNL, MONROE, LA. VOR/DME RWY 4, AMDT 3... S-4 HAT 382 ALL CATS. CHART TDZE 78 DELETE THRE 76. THIS IS VOR/DME RWY 4, AMDT 3A. 1404032106-PERM

FDC **4/3766** DET IAP COLEMAN A. YOUNG MUNI, DETROIT, MI. ILS OR LOC RWY 15, AMDT 10... CHANGE THRE 624 TO TDZE 624. THIS IS ILS OR LOC RWY 15, AMDT 10A. 1404032136-PERM

FDC **4/3794** STL IAP LAMBERT-ST. LOUIS INTL, ST. LOUIS, MO. RNAV (RNP) Z RWY 29, ORIG... RNP 0.12 DA 963. RNP 0.17 DA 1035. RNP 0.30 DA 1088. CHART TDZE 580. DELETE THRE 556. THIS IS RNAV (RNP) Z RWY 29, ORIG-A. 1404151815-PERM

FDC **4/3795** STL IAP LAMBERT-ST. LOUIS INTL, ST. LOUIS, MO. RNAV (RNP) Z RWY 11, ORIG... CHANGE THRE 618 TO TDZE 618. THIS IS RNAV (RNP) Z RWY 11, ORIG-A. 1404151815-PERM

FDC **4/3796** STL IAP LAMBERT-ST. LOUIS INTL, ST. LOUIS, MO. RNAV (GPS) RWY 24, AMDT 1A... CHANGE THRE 534 TO TDZE 534. THIS IS RNAV (GPS) RWY 24, AMDT 1B. 1404151815-PERM

FDC **4/3798** STL IAP LAMBERT-ST. LOUIS INTL, ST. LOUIS, MO. RNAV (RNP) Z RWY 30R, ORIG... CHANGE THRE 605 TO TDZE 605. THIS IS RNAV (RNP) Z RWY 30R, ORIG-A. 1404151815-PERM

FDC **4/3799** STL IAP LAMBERT-ST. LOUIS INTL, ST. LOUIS, MO. RNAV (RNP) Z RWY 12L, ORIG... RNP 0.30 DA 1043. CHART TDZE 541. DELETE THRE 528. THIS IS RNAV (RNP) Z RWY 12L, ORIG-A. 1404151815-PERM

FDC **4/3800** STL IAP LAMBERT-ST LOUIS INTL, ST LOUIS, MO. RNAV (GPS) RWY 6, AMDT 1A... CHANGE THRE 551 TO TDZE 551. THIS IS RNAV (GPS) RWY 6, AMDT 1B. 1404151815-PERM

FDC **4/3857** BRL IAP SOUTHEAST IOWA RGNL, BURLINGTON, IA. VOR RWY 30, AMDT 13A... S-30 HAT 563 CATS A/B/C UGULE FIX MINIMUMS: S-30 HAT 383 CATS A/B/C DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART TDZE 697 DELETE TDZE 693. THIS IS VOR RWY 30, AMDT 13B. 1407222023-PERM

FDC **4/3952** CKZ IAP PENNRIDGE, PERKASIE, PA. RNAV (GPS) RWY 26, ORIG-A... DELETE NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 26, ORIG-B. 1408141818-PERM

FDC **4/3953** CKZ IAP PENNRIDGE, PERKASIE, PA. RNAV (GPS) RWY 8, AMDT 1A... DELETE NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 8, AMDT 1B. 1408141818-PERM

FDC **4/3969** RDU IAP RALEIGH-DURHAM INTL, RALEIGH/DURHAM, NC. VOR RWY 23L, AMDT 14D... MISSED APPROACH: CLIMBING LEFT TURN TO 2600 ON RDU R-087 TO ZEBUL INT/RDU 19.64 DME AND HOLD. THIS IS VOR RWY 23L, AMDT 14E. 1408141925-PERM

FDC **4/4084** ITO IAP HILO INTL, HILO, HI. RNAV (GPS) RWY 26, ORIG-B... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. THIS IS RNAV (GPS) RWY 26, ORIG-C. 1408151141-PERM

FDC **4/4135** FFZ IAP FALCON FLD, MESA, AZ. RNAV (GPS) RWY 4R, AMDT 1B... LP MDA 1680/ HAT 297 ALL CATS. CHART FAS OBST: 1413 LT POLE 332703N/1114431W. THIS IS RNAV (GPS) RWY 4R, AMDT 1C. 1408151454-PERM

FDC **4/5059** PBG IAP PLATTSBURGH INTL, PLATTSBURGH, NY. RNAV (GPS) RWY 17, AMDT 1A... LPV VIS 1 ALL CATS. LNAV/VNAV VIS 1 5/8 ALL CATS. LNAV VIS CATS A/B 1, CATS C/D/E 1 3/8. CIRCLING CAT C MDA 780/HAA 546. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURLINGTON INTL ALTIMETER SETTING AND INCREASE ALL DA 54 FEET, ALL MDA 60 FEET, LPV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE, LNAV CATS C, D AND E VISIBILITY 1/4 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE. DELETE NOTE: FOR INOPERATIVE ALSF, INCREASE LPV ALL CATS AND LNAV CATS A/B VISIBILITIES 1/4 MILE, AND LNAV/VNAV AND LNAV CAT E VISIBILITIES 1/2 MILE. CHANGE VISIBILITY REDUCTION BY HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE WAAS VNAV NA SYMBOL. THIS IS RNAV (GPS) RWY 17, AMDT 1B. 1408191239-PERM

FDC **4/5348** PRB IAP PASO ROBLES MUNI, PASO ROBLES, CA. VOR/DME RWY 19, AMDT 4A... S-19 HAT 447 ALL CATS. THIS IS VOR/DME RWY 19, AMDT 4B. 1408191728-PERM

FDC **4/5592** GTR IAP GOLDEN TRIANGLE RGNL, COLUMBUS/W POINT/STARKVILLE, MS. ILS OR LOC RWY 18, AMDT 8... S-ILS 18 DA 464. S-LOC 18 HAT 396 ALL CATS. CHART TDZE 264 DELETE THRE 261. THIS IS ILS OR LOC RWY 18, AMDT 8A. 1408201248-PERM

FDC **4/5743** 6A2 IAP GRIFFIN-SPALDING COUNTY, GRIFFIN, GA. RNAV (GPS) RWY 32, ORIG-A... DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 32 NA AT NIGHT. CHANGE HELICOPTER RESTRICTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: CIRCLING TO RWY 14 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 14 NA. THIS IS RNAV (GPS) RWY 32, ORIG-B. 1408201756-PERM

FDC **4/5744** 6A2 IAP GRIFFIN-SPALDING COUNTY, GRIFFIN, GA. RNAV (GPS) RWY 14, ORIG-B... DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 32 NA AT NIGHT. DELETE NOTE: STRAIGHT-IN/CIRCLING RWY 14 PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 14 NA. THIS IS RNAV (GPS) RWY 14, ORIG-C. 1408201756-PERM

FDC **4/6070** VNC IAP VENICE MUNI, VENICE, FL. RNAV (GPS) RWY 5, ORIG-A... DELETE NOTE: RWY 5 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 5 NA. THIS IS RNAV (GPS) RWY 5, ORIG-B. 1408211240-PERM

FDC **4/6091** VNC IAP VENICE MUNI, VENICE, FL. RNAV (GPS) RWY 31, AMDT 1A... LP MDA 360 HAT/ 344 ALL CATS. LNAV MDA 360 HAT/344 ALL CATS. DELETE NOTE: WHEN VGSI INOPERATIVE, CIRCLING RWY 31 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOPERATIVE, PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 31 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 31, AMDT 1B. 1408211246-PERM

FDC **4/6093** VNC IAP VENICE MUNI, VENICE, FL. RNAV (GPS) RWY 23, ORIG-A... DELETE NOTE: CIRCLING TO RWY 5 NA AT NIGHT. THIS IS RNAV (GPS) RWY 23, ORIG-B. 1408211252-PERM

FDC **4/6105** VNC IAP VENICE MUNI, VENICE, FL. RNAV (GPS) RWY 13, AMDT 1A... DELETE NOTE: WHEN VGSI INOPERATIVE, CIRCLING RWY 31 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOPERATIVE, PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 13 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 13, AMDT 1B. 1408211300-PERM

FDC **4/6110** VNC IAP VENICE MUNI, VENICE, FL. NDB RWY 31, AMDT 2A... CHART NOTE: NIGHT LANDING: RWY 31 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS NDB RWY 31, AMDT 2B. 1408211306-PERM

FDC **4/7288** BRO IAP BROWNSVILLE/SOUTH PADRE ISLAND INTL, BROWNSVILLE, TX. ILS OR LOC RWY 13R, AMDT 1A... S-ILS 13R DA 219. S-LOC 13R HAT 461 ALL CATS. CHART TDZE 19 DELETE THRE 17. THIS IS ILS OR LOC RWY 13R, AMDT 1B. 1404231439-PERM

FDC **4/7291** E30 IAP BRUCE FIELD, BALLINGER, TX. RNAV (GPS) RWY 17, ORIG... LPV DA 2089. LNAV/VNAV DA 2089. LNAV HAT 422 ALL CATS. CHART TDZE 1738 DELETE THRE 1735. THIS IS RNAV (GPS) RWY 17, ORIG-A. 1404231443-PERM

FDC **4/7295** BRO IAP BROWNSVILLE/SOUTH PADRE ISLAND INTL, BROWNSVILLE, TX. RNAV (GPS) RWY 13R, AMDT 2... LPV DA 219. LNAV/VNAV DA 373. LNAV HAT 461 ALL CATS. CHART TDZE 19 DELETE THRE 17. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE PORT ISABEL ALTIMETER SETTING AND INCREASE ALL DA 38 FT AND ALL MDA 40 FT AND LNAV/VNAV VISIBILITY ALL CATS TO RVR 4100. THIS IS RNAV (GPS) RWY 13R, AMDT 2A. 1404231438-PERM

FDC **4/7297** TDW IAP TRADEWIND, AMARILLO, TX. RNAV (GPS) RWY 35, ORIG... LPV DA 3913. LNAV/VNAV DA 3947. LNAV HAT 659 ALL CATS. CHART TDZE 3641 DELETE THRE 3640. THIS IS RNAV (GPS) RWY 35, ORIG-A. 1404231444-PERM

FDC **4/7303** AUS IAP AUSTIN-BERGSTROM INTL, AUSTIN, TX. RNAV (GPS) RWY 35R, AMDT 1... LPV DA 680. LNAV/VNAV DA 879. LNAV HAT 520 ALL CATS. CHART TDZE 480 DELETE THRE 474. THIS IS RNAV (GPS) RWY 35R, AMDT 1A. 1404231446-PERM

FDC **4/7317** AUS IAP AUSTIN-BERGSTROM INTL, AUSTIN, TX. ILS OR LOC RWY 35R, AMDT 2... S-ILS 35R DA 680. S-LOC 35R HAT 520 ALL CATS. CHART TDZE 480 DELETE THRE 474. THIS IS ILS OR LOC RWY 35R, AMDT 2A. 1404231447-PERM

FDC **4/7318** AUS IAP AUSTIN-BERGSTROM INTL, AUSTIN, TX. RNAV (GPS) RWY 35L, AMDT 1... LPV DA 696. LNAV/VNAV DA 850. LNAV HAT 424 ALL CATS. CHART TDZE 496 DELETE THRE 488. THIS IS RNAV (GPS) RWY 35L, AMDT 1A. 1404231448-PERM

!FDC **4/7319** AUS IAP AUSTIN-BERGSTROM INTL, AUSTIN, TX. ILS OR LOC RWY 35L, AMDT 5A... S-ILS 35L DA 696. S-LOC 35L HAT 604 ALL CATS. WINKS FIX MINIMUMS S-LOC 35L HAT 364 ALL CATS. CHART TDZE 496 DELETE THRE 488. THIS IS ILS OR LOC RWY 35L, AMDT 5B. 1404231449-PERM

FDC **4/7320** BPG IAP BIG SPRING MC MAHON-WRINKLE, BIG SPRING, TX. RNAV (GPS) RWY 6, ORIG... LPV DA 2763. LNAV/VNAV DA 2813. LNAV HAT 337 ALL CATS. CHART TDZE 2563 DELETE THRE 2547. THIS IS RNAV (GPS) RWY 6, ORIG-A. 1404231449-PERM

FDC **4/7321** F00 IAP JONES FIELD, BONHAM, TX. RNAV (GPS) RWY 35, AMDT 1... LPV DA 956. LNAV/VNAV DA 1314. LNAV HAT 722 ALL CATS. CHART TDZE 618 DELETE THRE 612. THIS IS RNAV (GPS) RWY 35, AMDT 1A. 1404231450-PERM

FDC **4/7322** BKD IAP STEPHENS COUNTY, BRECKENRIDGE, TX. RNAV (GPS) RWY 17, ORIG... LP HAT 315 ALL CATS. LNAV HAT 435 ALL CATS. CHART TDZE 1265 DELETE THRE 1255. THIS IS RNAV (GPS) RWY 17, ORIG-A. 1404231450-PERM

FDC **4/7323** 11R IAP BRENHAM MUNI, BRENHAM, TX. RNAV (GPS) RWY 34, AMDT 2... LPV DA 519. LNAV/VNAV DA 718. LNAV HAT 431 ALL CATS. CHART TDZE 269 DELETE THRE 250. THIS IS RNAV (GPS) RWY 34, AMDT 2A. 1404231451-PERM

FDC **4/7324** RWV IAP CALDWELL MUNI, CALDWELL, TX. RNAV (GPS) RWY 33, ORIG... LNAV HAT 370 ALL CATS. CHART TDZE 390 DELETE THRE 365. THIS IS RNAV (GPS) RWY 33, ORIG-A. 1404231452-PERM

FDC **4/7325** CFD IAP COULTER FIELD, BRYAN, TX. RNAV (GPS) RWY 15, AMDT 1... LPV DA 636. LNAV/VNAV DA 636. LNAV HAT 359 ALL CATS. CHART TDZE 361 DELETE THRE 357. THIS IS RNAV (GPS) RWY 15, AMDT 1A. 1404231452-PERM

FDC **4/7562** RUG IAP RUGBY MUNI, RUGBY, ND. RNAV (GPS) RWY 30, ORIG... LP HAT 611 ALL CATS. LNAV HAT 611 ALL CATS. CIRCLING HAA 611 ALL CATS. CHART TDZE 1549 DELETE THRE 1548. CHANGE APT ELEV 1548 TO 1549. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 12 NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHANGE NOTE WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 30 PROCEDURE NA AT NIGHT TO READ: NIGHT LANDING: RWY 30 NA FOR CAT C AIRCRAFT. THIS IS RNAV (GPS) RWY 30, ORIG-A. 1404231927-PERM

FDC **4/7576** MEJ IAP MEADE MUNI, MEADE, KS. RNAV (GPS) RWY 35, ORIG... LNAV HAT 486. CHART TDZE 2514. DELETE THRE 2502. THIS IS RNAV (GPS) RWY 35, ORIG-A. 1404231943-PERM

FDC **4/7579** OWI IAP OTTAWA MUNI, OTTAWA, KS. RNAV (GPS) RWY 35, AMDT 1... LPV DA 1240. LNAV/VNAV DA 1290. LNAV HAT 434. CHART TDZE 966. DELETE THRE 964. THIS IS RNAV (GPS) RWY 35, AMDT 1A. 1404231943-PERM

FDC **4/7580** K81 IAP MIAMI COUNTY, PAOLA, KS. RNAV (GPS) RWY 3, AMDT 1... LPV DA 1284. LNAV/VNAV DA 1274. LNAV HAT 699. CHART TDZE 941. DELETE THRE 939. THIS IS RNAV (GPS) RWY 3, AMDT 1A. 1404231944-PERM

FDC **4/7587** PTS IAP ATKINSON MUNI, PITTSBURG, KS. RNAV (GPS) RWY 34, AMDT 2A... LPV DA 1179. LNAV/VNAV DA 1382. LNAV HAT 551. CHART TDZE 929. DELETE THRE 927. THIS IS RNAV (GPS) RWY 34, AMDT 2B. 1404231947-PERM

FDC **4/7588** MYZ IAP MARYSVILLE MUNI, MARYSVILLE, KS. RNAV (GPS) RWY 16, ORIG... LNAV HAT 857. CHART TDZE 1283. DELETE THRE 1278. THIS IS RNAV (GPS) RWY 16, ORIG-A. 1404231945-PERM

FDC **4/7589** PTS IAP ATKINSON MUNI, PITTSBURG, KS. RNAV (GPS) RWY 22, AMDT 1A... LP HAT 369. LNAV HAT 409. CHART TDZE 931. DELETE THRE 922. THIS IS RNAV (GPS) RWY 22, AMDT 1B. 1404231947-PERM

FDC **4/7590** MYZ IAP MARYSVILLE MUNI, MARYSVILLE, KS. RNAV (GPS) RWY 34, ORIG... LPV DA 1629. LNAV/VNAV DA 1674. LNAV HAT 617. CHART TDZE 1283. DELETE THRE 1277. THIS IS RNAV (GPS) RWY 34, ORIG-A. 1404231945-PERM

FDC **4/7611** RUG PART 1 OF 2 IAP RUGBY MUNI, RUGBY, ND. RNAV (GPS) RWY 12, ORIG... LP HAT 358 ALL CATS. LNAV HAT 378 ALL CATS. CIRCLING CAT A HAA 451, CAT B MDA 2160/HAA 611, CAT C MDA 2160/HAA 611. VISIBILITY CAT C 1 3/4. CHANGE APT ELEV 1548 TO 1549. CHART TDZE 1542 DELETE THRE 1532. CHART VDP AT 1.07 MILES TO RW12. CHANGE NOTE WHEN VGSI INOP, CIRCLING RWY 30 NA AT NIGHT TO READ: NIGHT LANDING: RWY 30 NA FOR CAT C AIRCRAFT. CHANGE NOTE WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DEVILS LAKE ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET, INCREASE LP AND LNAV CAT C VISIBILITY 3/8 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DEVILS LAKE ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET, INCREASE LP AND LNAV CAT C VISIBILITY 3/8 MILE AND CIRCLING CAT C VISIBILITY 1/2 MILE. 1404232015-PERM END PART 1 OF 2

FDC **4/7611** RUG PART 2 OF 2 IAP RUGBY MUNI, RUGBY, ND. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 12 PROCEDURE NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. 34:1 IS CLEAR. THIS IS RNAV (GPS) RWY 12, ORIG-A. 1404232015-PERM END PART 2 OF 2

FDC **4/7954** ONO IAP ONTARIO MUNI, ONTARIO, OR. NDB RWY 32, AMDT 5A... DELETE NOTE: PROCEDURE NA AT NIGHT CHART NOTE: NIGHT LANDING: RWY 14 NA. THIS IS NDB RWY 32, AMDT 5B. 1407311740-PERM

FDC **4/8915** AGZ IAP WAGNER MUNI, WAGNER, SD. RNAV (GPS) RWY 9, ORIG... CHANGE THRE 1478 TO TDZE 1478. THIS IS RNAV (GPS) RWY 9, ORIG-A. 1404101320-PERM

FDC **4/9454** I69 IAP CLERMONT COUNTY, BATAVIA, OH. RNAV (GPS) RWY 22, AMDT 1A... CHART NOTE: PROCEDURE NA AT NIGHT FOR CAT C AIRCRAFT. DELETE NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 22, AMDT 1B. 1407111604-PERM

FDC **4/9625** CNW IAP TSTC WACO, WACO, TX. RNAV (GPS) RWY 17L, AMDT 1... CHANGE THRE 470 TO TDZE 470. THIS IS RNAV (GPS) RWY 17L, AMDT 1A. 1408051556-PERM