

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 16-01

November 20, 2015

**PREPARED BY THE AERONAUTICAL INFORMATION GROUP, AJV-53
(AVAILABLE ON THE WEB AT [HTTP://NFDC.FAA.GOV](http://NFDC.FAA.GOV))**

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

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31049](#); Amdt. No. [3671](#)]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

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

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

The incorporation by reference of certain publications

listed in the regulations is approved by the Director of the Federal Register as of [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER].

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

For Examination

1. U.S. Department of Transportation, Docket Ops-M30, 1200 New Jersey Avenue SE, West Bldg., Ground Floor, Washington, D.C., 20590-0001.

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

3. The office of Aeronautical Navigation Products, 6500 South MacArthur Blvd., Oklahoma City, OK 73169 or,

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

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

Availability

All SIAPs and Takeoff Minimums and ODPs are available online free of charge. Visit the National Flight Data Center at nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from the FAA Air Traffic Organization Service Area in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: 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 removes SIAPS, Takeoff Minimums and/or ODPS. The complete regulatory description of each SIAP and its associated Takeoff Minimums or ODP for an identified airport is listed on FAA form documents which are incorporated by reference in this amendment under 5 U.S.C. 552(a), 1 CFR part 51, and 14 CFR part §97.20. The applicable FAA forms are FAA Forms 8260-3, 8260-4, 8260-5, 8260-15A, and 8260-15B when required by an entry on 8260-15A.

The large number of SIAPs, Takeoff Minimums and ODPs, their complex nature, and the need for a special format make publication in the **Federal Register** expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, Takeoff Minimums or ODPs, but instead refer to their graphic depiction on charts printed by publishers of aeronautical materials. Thus, the advantages of incorporation by reference are realized and publication of the complete description of each

SIAP, Takeoff Minimums and ODP listed on FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAPs, Takeoff Minimums and ODPs with their applicable effective dates. This amendment also identifies the airport and its location, the procedure, and the amendment number.

Availability and Summary of Material Incorporated by Reference

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

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

The Rule

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP, Takeoff Minimums and ODP as Amended in the transmittal. Some SIAP and Takeoff Minimums and textual ODP amendments may have been issued previously by the FAA in a Flight Data Center (FDC) Notice to Airmen (NOTAM) as an emergency action of immediate flight safety relating directly to published aeronautical charts.

The circumstances that created the need for some SIAP and Takeoff Minimums and ODP amendments may require making them effective in less than 30 days. For the remaining SIAPs and Takeoff Minimums and ODPs, an effective date at least 30 days after publication is provided.

Further, the SIAPs and Takeoff Minimums and ODPs contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these SIAPs and Takeoff Minimums and ODPs, the TERPS criteria were applied to the conditions existing or anticipated at the affected airports. Because of the close and immediate relationship between these SIAPs, Takeoff Minimums and ODPs, and safety in air commerce, I find that notice and public procedure under 5 U.S.C. 553(b) are impracticable and contrary to the public interest and, where applicable, under 5 U.S.C 553(d), good cause exists for making some SIAPs effective in less than 30 days.

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

List of Subjects in 14 CFR part 97:

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

Issued in Washington, DC on [NOVEMBER 20, 2015](#)



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 removing Standard Instrument Approach Procedures and/or Takeoff Minimums and Obstacle Departure Procedures effective at 0901 UTC on the dates specified, as follows:

Part 97—Standard Instrument Approach Procedures

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

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

2. Part 97 is amended to read as follows:

Effective 7 JANUARY 2016

Plymouth, IN, Plymouth Muni, VOR RWY 10, Amdt 12
 Plymouth, IN, Plymouth Muni, VOR RWY 28, Amdt 11
 Iron Mountain Kingsford, MI, Ford, ILS OR LOC RWY 1, Amdt 13
 Iron Mountain Kingsford, MI, Ford, NDB RWY 1, Orig-A, CANCELED
 Meridian, MS, Key Field, Takeoff Minimums and Obstacle DP, Amdt 6
 Pittstown, NJ, Sky Manor, RNAV (GPS) RWY 7, Amdt 1
 Delaware, OH, Delaware Muni - Jim Moore Field, NDB RWY 10, Orig-A, CANCELED
 Ebensburg, PA, Ebensburg, RNAV (GPS) RWY 7, Orig-A
 Ebensburg, PA, Ebensburg, RNAV (GPS) RWY 25, Orig-B

Effective 4 FEBRUARY 2016

Nome, AK, Nome, NDB/DME RWY 3, Amdt 3, CANCELED
 Decatur, AL, Pryor Field Rgnl, VOR RWY 18, Amdt 13A, CANCELED
 Decatur, AL, Pryor Field Rgnl, VOR RWY 36, Amdt 5, CANCELED
 Fort Morgan, CO, Fort Morgan Muni, RNAV (GPS) RWY 14, Amdt 1
 Fort Morgan, CO, Fort Morgan Muni, RNAV (GPS) RWY 32, Amdt 1
 Fort Morgan, CO, Fort Morgan Muni, Takeoff Minimums and Obstacle DP, Amdt 1
 Reidsville, GA, Swinton Smith Fld at Reidsville Muni, NDB RWY 11, Amdt 8A, CANCELED
 Indianapolis, IN, Greenwood Muni, NDB RWY 1, Amdt 3, CANCELED
 Goodland, KS, Renner Fld /Goodland Muni/, RNAV (GPS) RWY 12, Amdt 2
 Glasgow, KY, Glasgow Muni, VOR/DME RWY 8, Amdt 9, CANCELED
 Prestonsburg, KY, Big Sandy Rgnl, VOR/DME-A, Amdt 3, CANCELED
 Wilmington, NC, Wilmington Intl, RNAV (GPS) RWY 17, Amdt 4
 Sidney, NY, Sidney Muni, VOR RWY 25, Amdt 3A, CANCELED
 Lehigh, PA, Jake Arner Memorial, RNAV (GPS) RWY 8, Amdt 1B
 Lehigh, PA, Jake Arner Memorial, RNAV (GPS) RWY 26, Amdt 1B
 Portland, TN, Portland Muni, VOR/DME RWY 19, Amdt 3A, CANCELED
 Trenton, TN, Gibson County, VOR/DME-A, Amdt 6A, CANCELED
 Bellingham, WA, Bellingham Intl, ILS OR LOC RWY 16, ILS RWY 16 (SA CAT I), Amdt 8
 Bellingham, WA, Bellingham Intl, RNAV (GPS) Y RWY 16, Amdt 3
 Bellingham, WA, Bellingham Intl, RNAV (RNP) Z RWY 16, Amdt 1
 Bellingham, WA, Bellingham Intl, RNAV (RNP) Z RWY 34, Amdt 1
 Bellingham, WA, Bellingham Intl, Takeoff Minimums and Obstacle DP, Amdt 6
 Port Angeles, WA, William R Fairchild Intl, Takeoff Minimums and Obstacle DP, Amdt 3
 Port Angeles, WA, William R Fairchild Intl, WATTR SIX, Graphic DP
 Charleston, WV, Yeager, Takeoff Minimums and Obstacle DP, Amdt 9
 Riverton, WY, Riverton Rgnl, ILS OR LOC RWY 28, Amdt 3

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
OXI VOR/DME (IF/IAF)	NALDS INT/OXI 10.00 DME	080.24 / 10.00	2600

MAP: 5.63 MILES AFTER NALDS INT/OXI 10.00 DME OR AT OXI 15.63 DME FIX

CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 2600 DIRECT OXI VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
FAS OBST: 1069 AAO 412209N/0862331W
CHART VDP AT 14.11 DME
DISTANCE VDP TO THLD 1.53 MILES.
NALDS TO RW10: 2.96/36.
CHART CIRCLING ICON.

- PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
- HOLD W OXI VOR/DME, RT, 080.24 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
- FAC 080.24 FAF NALDS INT/OXI 10.00 DME DIST FAF TO MAP 5.63 THLD 5.63
- MIN. ALT OXI VOR/DME 2600, NALDS 2600
- MSA FROM: OXI VOR/DME 3000

MAG VAR: 0E EPOCH YEAR: 1975

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		X							
CATEGORY =====>	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-10	1320	1	524	1320	1	524	1320	1 1/2	524		NA					
CIRCLING	1320	1	520	1360	1	560	1540	2	740		NA					

NOTES:
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON OXI VORTAC AIRWAY RADIALS 203 CW 297.
CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE SOUTH BEND ALTIMETER SETTING; INCREASE ALL MDA 60 FEET AND INCREASE S-10 AND CIRCLING CAT C VISIBILITY 1/4 MILE.
CHART NOTE: VDP NA WHEN USING SOUTH BEND ALTIMETER SETTING.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.



CITY AND STATE PLYMOUTH, IN	ELEVATION: 800 TDZE: 796	FACILITY IDENTIFIER: OXI	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 10, AMDT 12 7 JANUARY 2016	SUP VOR OR GPS RWY 10
	AIRPORT NAME: PLYMOUTH MUNI			AMDT 11
				DATE 04/28/1994

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

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	MISSED APPROACH	
OXI VOR/DME	PARTS INT/OXI 21.92 DME	080.87 / 21.92	2800	MAP: 5.63 MILES AFTER PARTS INT/OXI 21.92 DME OR AT OXI 16.29 DME FIX	
GSH VORTAC	PARTS INT/OXI 21.92 DME	216.26 / 10.86	2800	CLIMBING RIGHT TURN TO 2800 ON HEADING 140.00 AND OXI VOR/DME R-081 TO PARTS INT/OXI 21.92 DME AND HOLD.	
				ADDITIONAL FLIGHT DATA: HOLD E, RT, 260.87 INBOUND. CHART FAS OBST: 952 TREE 412026N/0861629W CHART: 1098 TOWER 412231N/0860916W PARTS TO RW28: 3.30/30. CHART CIRCLING ICON	

1. PT L SIDE OF COURSE 080.87 OUTBOUND 2800 FT WITHIN 10 MILES OF PARTS (IAF)
2. _____
3. FAC 260.87 FAF PARTS INT/OXI 21.92 DME DIST FAF TO MAP 5.63 THLD 5.63
4. MIN. ALT PARTS INT/OXI 21.92 DME 2800, ZENRA/OXI 17.64 DME 1300*
8. MSA FROM: OXI VOR/DME 3000

MAG VAR: 0E EPOCH YEAR: 1975

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A X								
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-28	1300	1	504	1300	1	504	1300	1 3/8	504		NA				
CIRCLING	1300	1	500	1360	1	560	1540	2	740		NA				
ZENRA FIX MINIMUMS															
S-28	1220	1	424	1220	1	424	1220	1 1/4	424		NA				
CIRCLING	1280	1	480	1360	1	560	1540	2	740		NA				

NOTES:
 CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE SOUTH BEND ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE S-28 CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE; INCREASE ZENRA FIX MINIMUMS S-28 CAT C VISIBILITY 1/8 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.
 (CONTINUED ON PAGE 2)



CITY AND STATE PLYMOUTH, IN	ELEVATION: 800 TDZE: 796	FACILITY IDENTIFIER: OXI	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 28, AMDT 11 7 JANUARY 2016	SUP VOR OR GPS RWY 28
	AIRPORT NAME: PLYMOUTH MUNI			AMDT 10
	DATE 04/28/1994			

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

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

NOTES, (CONT.):

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

***1360 WHEN USING SOUTH BEND ALTIMETER SETTING.**



CITY AND STATE PLYMOUTH, IN	ELEVATION: 800 TDZE: 796 AIRPORT NAME: PLYMOUTH MUNI	FACILITY IDENTIFIER: OXI	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 28, AMDT 11 7 JANUARY 2016	SUP: VOR OR GPS RWY 28
				AMDT: 10
				DATED: 04/28/1994

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
IMT VOR/DME	OMOLE/IMT VOR/DME 5.77 DME	190.47 / 5.77	3100

ILS: DA
LOC: IMT VOR/DME 0.35 DME FIX

CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 3100 DIRECT IMT VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 190.53 INBOUND.
CHART FAS OBST: 1307 TREE 454726N/0880650W
CHART VDP AT 2.02 DME*
DISTANCE VDP TO THLD 1.67 MILES.
*LOC ONLY.
CHART CIRCLING ICON.
CHART IN PLANVIEW: (CFVPH) AT 453718.93N-0880904.80W

- PT R SIDE OF COURSE 189.67 OUTBOUND 3100 FT WITHIN 10 MILES OF OMOLE (IAF)
-
- FAC: 009.67 FAF: OMOLE/IMT VOR/DME 5.77 DME DIST FAF TO MAP: _____ THLD: 5.42
- MIN. ALT: OMOLE/IMT VOR/DME 5.77 DME 2900, LOOMS/IMT VOR/DME 2.95 DME 2000*
- DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: **1066**
- MIN GS INCPT: 2900 GS ALT AT: OMOLE 2900 OM: _____ MM: _____ IM: _____
- GS ANGLE: 2.98 TCH: 53.0
- MSA FROM: IMT VOR/DME 340-230 3000, 230-340 3300

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

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A X								
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 01	1333	1/2	200	1333	1/2	200	1333	1/2	200	1333	1/2	200			
S-LOC 01	1720	1/2	587	1720	1/2	587	1720	1 1/4	587	1720	1 1/4	587			
CIRCLING	1720	1	538	1780	1	598	1780	1 3/4	598	1840	2	658			

NOTES:
CHART NOTE: CIRCLING NA NE OF RWYS 19 AND 31.
CHART NOTE: DME REQUIRED.
CHART PLANVIEW NOTE: DME REQUIRED.
CHART NOTE: VDP NA WITH ESCANABA ALTIMETER SETTING.
(CONTINUED ON PAGE 2)



CITY AND STATE IRON MOUNTAIN KINGSFORD, MI	ELEVATION: 1182 TDZE: 1133 AIRPORT NAME: FORD	FACILITY IDENTIFIER: I-IMT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 1, AMDT 13 7 JANUARY 2016	SUP: AMDT: 12B DATED 05/02/2013
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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

NOTES, (CONT.):

CHART NOTE: NIGHT LANDING: RWY 13, 31 NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ESCANABA ALTIMETER SETTING AND INCREASE ALL DA/MDA 180 FEET, INCREASE S-ILS 1 VISIBILITY ALL CATS 1/4 MILE, INCREASE S-LOC 1 CAT B VISIBILITY 1/4 MILE, CAT C AND D VISIBILITY 1/2 MILE, INCREASE CIRCLING CAT B VISIBILITY 1/4 MILE, CAT C VISIBILITY 3/4 MILE, CAT D VISIBILITY 1/2 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ESCANABA ALTIMETER SETTING, INCREASE S-LOC 1 VISIBILITY CAT C/D TO 2 1/2 MILE.

CHART NOTE: DME FROM IMT VOR/DME. SIMULTANEOUS RECEPTION OF I-IMT AND IMT DME REQUIRED.



CITY AND STATE IRON MOUNTAIN KINGSFORD, MI	ELEVATION: 1182 AIRPORT NAME: FORD	TDZE: 1133	FACILITY IDENTIFIER: I-IMT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 1, AMDT 13 7 JANUARY 2016	SUP:
					AMDT: 12B
					DATED: 05/02/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KIMT

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
IMT	010	IMT	IF	FB										V
IMT	020	OMOLE	TF	FB								AA 03100		E
IMT	030	OMOLE	PI	FB		234.7	IMT		L			AA 03100		EE A
	010	CFVPH	IF	FB			IIMT					AA 03100 GI 02900		E I
	020	OMOLE	CF	FB		010.0	IIMT	2.98		IMT		GI 02900 GS 02900		E F
	030	RW01	CF	FO		010.0	IIMT	2.98				AT 01185		GY M
	040		CA	FB		009.7						AA 02200		M
	050	IMT	DF	FO					L			AA 03100		VY
	060	IMT	HM	FO		190.5			R			AA 03100		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
IMT	N454857.76	W0880643.71
CFVPH	N453718.93	W0880904.80
OMOLE	N454315.58	W0880756.46
IIMT (LOC)	N454957.11	W0880639.25

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW01	N454837.86	W0880654.50	01132	53.0



CITY AND STATE IRON MOUNTAIN KINGSFORD, MI	ELEVATION: 1182	TDZE: 1133	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	FORD	I-IMT	ILS OR LOC RWY 1, AMDT 13	AMDT: 12B
				7 JANUARY 2016	DATED: 05/02/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KIMT

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
IMT	010	IMT	IF	FB										V
IMT	020	OMOLE	TF	FB								AA 03100		E
IMT	030	OMOLE	PI	FB		234.7	IMT		L			AA 03100		EE A
	010	CFVPH	IF	FB			IIMT					AA 03100		E I
	020	OMOLE	CF	FB		010.0	IIMT			IMT		AA 02900		E F
	021	LOOMS	CF	FB		010.0	IIMT	2.99				AA 02000		E S
	030	RW01	CF	FO		010.0	IIMT	2.99				AT 01185		GY M
	040		CA	FB		009.7						AA 02200		M
	050	IMT	DF	FO					L			AA 03100		VY
	060	IMT	HM	FO		190.5			R			AA 03100		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
IMT	N454857.76	W0880643.71
CFVPH	N453718.93	W0880904.80
LOOMS	N454603.29	W0880724.24
OMOLE	N454315.58	W0880756.46
IIMT (LOC)	N454957.11	W0880639.25

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW01	N454837.86	W0880654.50	01132	53.0



CITY AND STATE IRON MOUNTAIN KINGSFORD, MI	ELEVATION: 1182	TDZE: 1133	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	FORD	I-IMT	ILS OR LOC RWY 1, AMDT 13	AMDT: 12B
				7 JANUARY 2016	DATED: 05/02/2013

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

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

ALTERNATE: N A

CATEGORY =====>

MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS

NOTES:

PROCEDURE CANCELED EFFECTIVE 7 JANUARY 2016



CITY AND STATE IRON MOUNTAIN KINGSFORD, MI	ELEVATION: 1182	TDZE: 1133	FACILITY IDENTIFIER: IM	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 1, ORIG-A, 08/20/2015	SUP	
	AIRPORT NAME: FORD				AMDT	ORIG
					DATE	08/12/1999

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.
MERIDIAN, MS	KEY FIELD	7 JANUARY 2016	6

TAKEOFF MINIMUMS:

RWY 1,4,19 : STANDARD

RWY 22: 300-1 ½ OR STANDARD WITH MINIMUM CLIMB OF 280 FT PER NM TO 700,

TEXTUAL DEPARTURE PROCEDURES:

RWY 4: CLIMB HEADING 045.99 TO 1000 BEFORE TURNING RIGHT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

RWY 1: TREE 323 FEET FROM DER, 440 FEET RIGHT OF CENTERLINE, 28 FEET AGL/308 FEET MSL. VEHICLES ON ROAD 1196 FEET FROM DER, 421 FEET LEFT OF CENTERLINE, 17 FEET AGL/341 FEET MSL. TREES BEGINNING 1435 FEET FROM DER, 413 FEET LEFT OF CENTERLINE, UP TO 90 FEET AGL/389 FEET MSL. TREES, TANK, AND TOWER BEGINNING 2201 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 80 FEET AGL/399 FEET MSL. TREES BEGINNING 3688 FEET FROM DER, 334 FEET LEFT OF CENTERLINE, UP TO 104 FEET AGL/403 FEET MSL.

RWY 19: TOWER AND ANTENNA 481 FEET FROM DER, 570 FEET LEFT OF CENTERLINE, 32 FEET AGL/312 FEET MSL. TREE 1893 FEET FROM DER, 934 FEET RIGHT OF CENTERLINE, 101 FEET AGL/380 FEET MSL. TREE 2660 FEET FROM DER, 1162 FEET LEFT OF CENTERLINE, 116 FEET AGL/395 FEET MSL.

RWY 4: POLES AND TREES BEGINNING 70 FEET FROM DER, 278 FEET RIGHT OF CENTERLINE, UP TO 39 FEET AGL/335 FEET MSL. POLES, TREES, AND BUILDING BEGINNING 988 FEET FROM DER, 256 FEET RIGHT OF CENTERLINE, UP TO 51 FEET AGL/350 FEET MSL. TREE 1817 FEET FROM DER, 940 FEET RIGHT OF CENTERLINE, 59 FEET AGL/358 FEET MSL. FENCE 34 FEET FROM DER, 276 FEET LEFT OF CENTERLINE, 8 FEET AGL/305 FEET MSL. POLE, LIGHT ON POLE, TANK AND RAILING ON TANK BEGINNING 863 FEET FROM DER, UP TO 32 FEET AGL/330 FEET MSL. TREES BEGINNING 2493 FEET FROM DER, 65 FEET LEFT OF CENTERLINE, UP TO 80 FEET AGL/379 FEET MSL.

RWY 22: TREES BEGINNING 1328 FEET FROM DER, 540 FEET RIGHT OF CENTERLINE, UP TO 99 FEET AGL/378 FEET MSL. TREES BEGINNING 1621 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 108 FEET AGL/387 FEET MSL. TREES BEGINNING 4365 FEET FROM DER, 317 FEET RIGHT OF CENTERLINE, UP TO 62 FEET AGL/441 FEET MSL. TREES BEGINNING 4519 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 48 FEET AGL/447 FEET MSL. TREES BEGINNING 5568 FROM DER, 1354 RIGHT OF CENTERLINE, UP TO 55 FEET AGL/454 FEET MSL. TREES BEGINNING 5650 FEET FROM DER, 1273 FEET RIGHT OF CENTERLINE, UP TO 79 FEET AGL/478 FEET MSL. TREES BEGINNING 5702 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 69 FEET AGL/488 FEET MSL. TREES BEGINNING 1.1 NM FROM DER, 1236 FEET RIGHT OF CENTERLINE, UP TO 60 FEET AGL/499 FEET MSL. TREES BEGINNING 1.2 NM FROM DER, 1490 FEET RIGHT OF CENTERLINE, UP TO 66 FEET AGL/505 FEET MSL. TREES BEGINNING 1.2 NM FROM DER, 712 FEET RIGHT OF CENTERLINE, UP TO 77 FEET AGL/536 FEET MSL.

CONTROLLING OBSTACLES:

RWY 22: 485 FEET MSL TREE 321919.53N/0884606.87W (CLIMB GRADIENT), 536 FEET MSL TREE 321915.51N/0884627.28W (CEILING AND CLIMB-TO-ALTITUDE), 489 FEET MSL TREE 321907.39N/0884626.09W (VISIBILITY).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 4: 1049 FEET MSL TOWER 321941.00N/0884131.00W.



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

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

City, State	Airport	Effective Date	Amdt. No.
MERIDIAN, MS	KEY FIELD	7 JANUARY 2016	6

REMARKS:

FLIGHT INSPECTED BY:

EDWARD W MESA *Digitally signed by*
JULIE A MORGAN FICO

10/23/2015

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

Oct 28, 2015

FRANK JACKSON *Digitally signed by*
FRANK JACKSON AJV-352
Aug 28, 2015

08/11/2015

APPROVED BY:

SUSAN CRUMB *Digitally signed by*
JULIE A MORGAN AJV-352
Oct 28, 2015

COORDINATED WITH:

ATA, ALPA, AOPA, NBAA, ZME, MEI APP CON, MEI ATCT, AMGR

CHANGES:

1. RUNWAY 1 TAKEOFF MINIMUMS CHANGED FROM 300-1 OR STANDARD WITH MINIMUM CLIMB OF 290 FEET PER NM TO 600 TO STANDARD.
2. UPDATED TAKEOFF OBSTACLE NOTES.
3. UPDATED CONTROLLING OBSTACLES.

REASONS:

1. 463 FEET ANTENNA DISMANTLED.
- 2,3. UPDATED SURVEY DATA.



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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
JILUB (IF/IAF)	ZOPDU (FB)	067.14 / 4.85	1800	LNAV: RW07 CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3000 DIRECT LIZZI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 118.05 INBOUND. FAS OBST: 739 AAO 403231N/0750021W ZOPDU TO RW07: 3.00/40. CHART LEHIGH VALLEY INTL ASOS. CHART CIRCLING ICON.
ZOPDU (FAF)	RW07 (MAP) (FO)	067.20 / 3.81		
RW07 (MAP)	1100 MSL	067.20	1100	
1100 MSL	LIZZI (FO)		3000	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SW JILUB, RT, 067.14 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 067.20 FAF: ZOPDU DIST FAF TO MAP: 3.81 THLD: 3.81
4. MIN. ALT: JILUB 2500, ZOPDU 1800
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW07 3100

MAG VAR: 13W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>	ALTERNATE: N <input type="checkbox"/> A <input checked="" type="checkbox"/> X <input type="checkbox"/>														
CATEGORY <u>=====</u> >	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	1080	1	522		NA			NA			NA				
CIRCLING	1140	1	580		NA			NA			NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
 CHART PLANVIEW NOTE: RADAR REQUIRED.
 (CONTINUED ON PAGE 2)



CITY AND STATE PITTSTOWN, NJ	ELEVATION: 560 TDZE: 558 AIRPORT NAME: SKY MANOR	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, AMDT 1 7 JANUARY 2016	SUP: AMDT: ORIG-A DATED 12/11/2014
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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: USE LEHIGH VALLEY ALTIMETER SETTING; WHEN NOT RECEIVED USE TRENTON ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.

CHART NOTE: VGSİ AND DESCENT ANGLES NOT COINCIDENT (VGSİ ANGLE {ANGLE} TCH {FEET}).



CITY AND STATE PITTS TOWN, NJ	ELEVATION: 560	TDZE: 558	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, AMDT 1 7 JANUARY 2016	SUP:
	AIRPORT NAME: SKY MANOR				AMDT: ORIG-A
					DATED: 12/11/2014

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

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

ARINC SUMMARY - N40

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
JILUB	010	JILUB	HF	FO		067.1			R			AA 02500		EE A
	010	JILUB	IF	FB								AA 02500		E I
	020	ZOPDU	TF	FB	0.5	067.1				RW07		AA 01800		E F
	030	RW07	TF	FO	0.3	067.2		3.00				AT 00588		GY M
	040		CA	FB		067.2						AA 01100		M
	050	LIZZI	DF	FO					L			AA 03000		EY
	060	LIZZI	HM	FO		118.1			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
JILUB	N402844.86	W0750812.80
LIZZI	N403956.38	W0750855.66
ZOPDU	N403135.19	W0750303.76

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW07	N403348.80	W0745900.76	00548	40



CITY AND STATE PITTSOWN, NJ	ELEVATION: 560 TDZE: 558	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: SKY MANOR	RNAV	RNAV (GPS) RWY 7, AMDT 1 7 JANUARY 2016	AMDT: ORIG-A
				DATED: 12/11/2014

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

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

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

ALTERNATE: N A

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

NOTES:

 PROCEDURE CANCELED EFFECTIVE 7 JANUARY 2016



CITY AND STATE DELAWARE, OH	ELEVATION: 945 TDZE: 945	FACILITY IDENTIFIER: DLZ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 10, ORIG-A, 07/29/2010	SUP
	AIRPORT NAME: DELAWARE MUNI - JIM MOORE FIELD			AMDT ORIG
	DATE 12/30/1999			

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
JST VORTAC	BLAYR (FO)	297.45 / 7.27	4400	LNAV: RW07
REC VOR/DME	BLAYR (FO)	232.53 / 15.81	4400	
BLAYR (IF/IAF)	ALLAC (FB)	065.52 / 6.11	3800	CLIMBING LEFT TURN TO 4400 DIRECT BLAYR AND HOLD.
ALLAC (FAF)	CHIMS/1.90 NM TO RW07 (FB)	065.59 / 3.29		
CHIMS/1.90 NM TO RW07	RW07 (MAP) (FO)	065.59 / 1.90		
RW07 (MAP)	2499 MSL	065.59		ADDITIONAL FLIGHT DATA: FAS OBST: 2339 AAO 402620N/0784800W
2499 MSL	BLAYR (FO)		4400	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SW BLAYR, LT, 065.52 INBOUND, 4400 FT. IN LIEU OF PT (IAF)
3. FAC: 065.59 FAF: ALLAC DIST FAF TO MAP: 5.19 THLD: 5.19
4. MIN. ALT: BLAYR 4400, ALLAC 3800, CHIMS/1.90 NM TO RW07 2740
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW07 4400

MAG VAR: 9W

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>	ALTERNATE: N A X														
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	2600	1	512	2600	1	512	2600	1 1/2	512		NA				
CIRCLING	2780	1	681	2940	1 1/4	841	2940	2 1/2	841		NA				

JOHNSTOWN ALTIMETER SETTING MINIMUMS

LNAV MDA	2640	1	552	2640	1	552	2640	1 1/2	552		NA				
CIRCLING	2820	1	721	2980	1 1/4	881	2980	2 3/4	881		NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE JOHNSTOWN ALTIMETER SETTING.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON JST VORTAC AIRWAY RADIALS 236 CW 326.
 (SEE FORM 8260-10)

CITY AND STATE EBENSBURG, PA	ELEVATION: 2099 TDZE: 2088 AIRPORT NAME: EBENSBURG	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, ORIG-A 7 JANUARY 2016	SUP: <u>4</u> AMDT: <u>CORIG</u> DATED: <u>05/07/2009</u>
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QUALITY
4
CHECKED

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

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

CITY AND STATE EBENSBURG, PA	ELEVATION: 2099	TDZE: 2088	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, ORIG-A 7 JANUARY 2016	SUP: QUALITY 4
	AIRPORT NAME: EBENSBURG				AMDT: ORIG CHECKED
					DATED: 05/07/2009

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

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ARINC SUMMARY - 9G8

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
JST	010	JST	IF	FB										V
JST	020	BLAYR	TF	FO	2.0	297.5						AA 04400		EY
JST	030	BLAYR	HF	FO		065.5			L			AA 04400		EE A
REC	010	REC	IF	FB										V
REC	020	BLAYR	TF	FO	2.0	232.5						AA 04400		EY
REC	030	BLAYR	HF	FO		065.5			L			AA 04400		EE A
	010	BLAYR	IF	FB								AA 04400		E I
	020	ALLAC	TF	FB	0.5	065.5				RW07		AA 03800		E F
	021	CHIMS	TF	FB	0.3	065.6						AA 02740		E S
	030	RW07	TF	FO	0.3	065.6		0.00				AT 02640		GY M
	040		CA	FB		065.6						AA 02499		M
	050	BLAYR	DF	FO					L			AA 04400		EY
	060	BLAYR	HM	FO		065.5			L			AA 04400		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
JST	N401900.22	W0785003.00
REC	N403247.25	W0784449.28
ALLAC	N402440.35	W0785223.54
BLAYR	N402117.99	W0785904.16
CHIMS	N402628.91	W0784848.05

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW07	N402731.64	W0784643.33	02080	

CITY AND STATE EBENSBURG, PA	ELEVATION: 2099 TDZE: 2088	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 7, ORIG-A 7 JANUARY 2016	SUP: 4
	AIRPORT NAME: EBENSBURG			AMDT: ORIG
	DATED: 05/07/2009			

QUALITY
4
CHECKED

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	MISSED APPROACH	
JST VORTAC	EXPYR (FO)	048.77 / 19.72	4100	LNAV: RW25	
REC VOR/DME	EXPYR (FO)	089.96 / 8.74	4100	CLIMBING RIGHT TURN TO 4100 DIRECT EXPYR AND HOLD.	
EXPYR (IF/IAF)	DEZZZ (FB)	245.80 / 6.10	3900		
DEZZZ (FAF)	FANDA/1.80 NM TO RW25 (FB)	245.72 / 3.64	4100	ADDITIONAL FLIGHT DATA: CHART FAS OBST: 2352 STACK 402808N/0784454W	
FANDA/1.80 NM TO RW25	RW25 (MAP) (FO)	245.72 / 1.80			
RW25 (MAP)	2499 MSL	245.72			
2499 MSL	EXPYR (FO)				

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NE EXPYR, RT, 245.80 INBOUND, 4100 FT. IN LIEU OF PT (IAF)
3. FAC: 245.72 FAF: DEZZZ DIST FAF TO MAP: 5.44 THLD: 5.44
4. MIN. ALT: EXPYR 4100, DEZZZ 3900, FANDA/1.80 NM TO RW25 2720
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW25 4400

MAG VAR: 9W EPOCH YEAR: 1985


MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A X								
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	2620	1	522	2620	1	522	2620	1 1/2	522		NA				
CIRCLING	2780	1	681	2940	1 1/4	841	2940	2 1/4	841		NA				

JOHNSTOWN ALTIMETER SETTING MINIMUMS

LNAV MDA	2660	1	562	2660	1	562	2660	1 1/2	562		NA				
CIRCLING	2820	1	721	2980	1 1/4	881	2980	2 1/2	881		NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE JOHNSTOWN ALTIMETER SETTING.
 (SEE FORM 8260-10)

CITY AND STATE EBENSBURG, PA	ELEVATION: 2099 TDZE: 2098	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, ORIG-B 7 JANUARY 2016	SUP: 
	AIRPORT NAME: EBENSBURG			AMDT: ORIG-A
				DATED 04/05/2012

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

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

NOTES, (CONT.):
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON JST VORTAC AIRWAY RADIALS 074 CW 096.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON REC VOR/DME AIRWAY RADIALS 105 CW 116.
 CHART PROFILE NOTE: DESCENT ANGLE NA.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.



CITY AND STATE EBENSBURG, PA	ELEVATION: 2099	TDZE: 2098	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, ORIG-B 7 JANUARY 2016	SUP:
	AIRPORT NAME: EBENSBURG				AMDT: ORIG-A
					DATED: 04/05/2012

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

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

ARINC SUMMARY - 9G8

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
JST	010	JST	IF	FB										V
JST	020	EXPYR	TF	FO	2.0	048.8						AA 04100		EY
JST	030	EXPYR	HF	FO		245.8			R			AA 04100		EE A
REC	010	REC	IF	FB										V
REC	020	EXPYR	TF	FO	2.0	090.0						AA 04100		EY
REC	030	EXPYR	HF	FO		245.8			R			AA 04100		EE A
	010	EXPYR	IF	FB								AA 04100		E I
	020	DEZZZ	TF	FB	0.5	245.8				RW25		AA 03900		E F
	021	FANDA	TF	FB	0.3	245.7						AA 02720		E S
	030	RW25	TF	FO	0.3	245.7		0.00				AT 02660		GY M
	040		CA	FB		245.7						AA 02499		M
	050	EXPYR	DF	FO					R			AA 04100		EY
	060	EXPYR	HM	FO		245.8			R			AA 04100		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
JST	N401900.22	W0785003.00
REC	N403247.25	W0784449.28
DEZZZ	N403048.24	W0784011.50
EXPYR	N403409.15	W0783329.66
FANDA	N402848.42	W0784410.47

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW25	N402749.04	W0784608.71	02098	



CITY AND STATE EBENSBURG, PA	ELEVATION: 2099 TDZE: 2098	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: EBENSBURG	RNAV	RNAV (GPS) RWY 25, ORIG-B 7 JANUARY 2016	AMDT: ORIG-A
				DATED: 04/05/2012

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

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

ALTERNATE: N A

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

NOTES:

 PROCEDURE CANCELED EFFECTIVE 4 FEBRUARY 2016



CITY AND STATE NOME, AK	ELEVATION: 38 AIRPORT NAME: NOME	TDZE: 25	FACILITY IDENTIFIER: OYN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB/DME RWY 3, AMDT 3, 11/13/2014	SUP
					AMDT 2A
					DATE 09/23/2010

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

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 4 FEBRUARY 2016



CITY AND STATE DECATUR, AL	ELEVATION: 592 TDZE: 592	FACILITY IDENTIFIER: DCU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 18, AMDT 13A, 03/11/2010	SUP
	AIRPORT NAME: PRYOR FIELD RGNL			AMDT 13
				DATE 06/08/2006

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

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 4 FEBRUARY 2016



CITY AND STATE DECATUR, AL	ELEVATION: 592 TDZE: 588 AIRPORT NAME: PRYOR FIELD RGNL	FACILITY IDENTIFIER: DCU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 36, AMDT 5, 10/05/2000	SUP AMDT 4 DATE 10/07/1991
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**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
DEKTE (IAF)	ECUDI (NOPT) (FB)	053.40 / 10.00	7400	LPV: DA LNAV/VNAV: DA LNAV: RW14
CAPVA (IAF)	ECUDI (NOPT) (FB)	233.65 / 10.00	7400	
ECUDI (IF/IAF)	FEPAS (FB)	143.53 / 7.40	6200	CLIMB TO 7400 DIRECT HARPU AND HOLD.
FEPAS (FAF)	GISEY/2.30 NM TO RW14 (FB)	143.58 / 2.64		
GISEY/2.30 NM TO RW14	RW14 (MAP) (FO)	143.58 / 2.30		ADDITIONAL FLIGHT DATA: HOLD SE, RT, 323.71 INBOUND. CHART FAS OBST: 4745 RD (N) 402238N/1035036W CHART VDP AT 1.18 MILES TO RW14* *LNAV ONLY. WAAS CHANNEL # 86330 REFERENCE PATH ID: W14A CHART CIRCLING ICON DISTANCE TO THLD FROM 250 HAT: 0.69 NM. LTP HAE: 1381.2 M
RW14 (MAP)	4845 MSL	143.58		
4845 MSL	HARPU (FO)		7400	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW ECUDI, RT, 143.53 INBOUND, 7400 FT. IN LIEU OF PT (IAF)
3. FAC: 143.58 FAF: FEPAS DIST FAF TO MAP: 4.94 THLD: 4.94
4. MIN. ALT: ECUDI 7400, FEPAS 6200, GISEY/2.30 NM TO RW14 5340*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 6200 GS ALT AT: FEPAS 6200 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 30.0 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 8E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD @					
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	4845	1	250	4845	1	250	4845	1	250	4845	1	250			
LNAV/VNAV DA	4845	1	250	4845	1	250	4845	1	250	4845	1	250			
LNAV MDA	5000	1	405	5000	1	405	5000	1 1/8	405	5000	1 1/8	405			
CIRCLING	5040	1	445	5080	1	485	5120	1 1/2	525	5340	2 1/2	745			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AKRON ALTIMETER SETTING: INCREASE ALL DA TO 4928 FT AND ALL VISIBILITIES 1/8 MILE; INCREASE ALL MDA 100 FT AND ALL CAT C AND D VISIBILITIES 1/4 MILE.
CHART NOTE: NIGHT LANDING: RWY 8, 17, 26, 32, 35 NA.

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



CITY AND STATE FORT MORGAN, CO	ELEVATION: 4595 TDZE: 4595 AIRPORT NAME: FORT MORGAN MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 4 FEBRUARY 2016	SUP: AMDT: ORIG-B DATED 07/24/2014
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TAA	FROM	TO	ALT
1.	054/30 CW 234/30 (NOPT)	054/15 CW 234/15	8000
2.	054/15 CW 234/15	ECUDI (IF/IAF) (FB)	7400
3.	234/30 CW 324/30	CAPVA (IAF) (FB)	7400
4.	324/30 CW 054/30	324/15 CW 054/15	8100
5.	324/15 CW 054/15	DEKTE (IAF) (FB)	7400



CITY AND STATE FORT MORGAN, CO	ELEVATION: 4595	TDZE: 4595	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 4 FEBRUARY 2016	SUP:
	AIRPORT NAME: FORT MORGAN MUNI				AMDT: ORIG-B
					DATED: 07/24/2014

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFMM
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	402041.4650N
LTP/FTP LONGITUDE	1034842.0900W
LTP/FTP ELLIPSOIDAL HEIGHT	+13812
FPAP LATITUDE	401923.0220N
FPAP LONGITUDE	1034746.7010W
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	1000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 6F1D0606

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+14006
FPAP ORTHOMETRIC HEIGHT	+14006



CITY AND STATE FORT MORGAN, CO	ELEVATION: 4595	TDZE: 4595	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 4 FEBRUARY 2016	SUP:
	AIRPORT NAME: FORT MORGAN MUNI				AMDT: ORIG-B
					DATED: 07/24/2014

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

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ARINC SUMMARY - KFMM

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
CAPVA	010	CAPVA	IF	FB										E A
CAPVA	020	ECUDI	TF	FB	1.0	233.7						AA 07400		EE B
DEKTE	010	DEKTE	IF	FB										E A
DEKTE	020	ECUDI	TF	FB	1.0	053.4						AA 07400		EE B
ECUDI	010	ECUDI	HF	FO		143.5			R			AA 07400		EE A
	010	ECUDI	IF	FB								AA 07400		E I
	020	FEPAS	TF	FB	0.5	143.5						AA 06200		E F
	021	GISEY	TF	FB	0.3	143.6						AA 05340 GS 05433		E S
	030	RW14	TF	FO	0.3	143.6		3.00				AT 04625		GY M
	040		CA	FB		143.6						AA 04845		M
	050	HARPU	DF	FO								AA 07400		EY
	060	HARPU	HM	FO		323.7			R			AA 07400		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CAPVA	N403618.75	W1034451.36
DEKTE	N402646.25	W1040754.65
ECUDI	N403133.08	W1035623.81
FEPAS	N402502.56	W1035146.75
GISEY	N402242.98	W1035007.86
HARPU	N400827.51	W1034005.51

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW14	N402041.47	W1034842.09	04595	30

CITY AND STATE FORT MORGAN, CO	ELEVATION: 4595 TDZE: 4595	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: FORT MORGAN MUNI	RNAV	RNAV (GPS) RWY 14, AMDT 1 4 FEBRUARY 2016	AMDT: ORIG-5
				DATED: 07/24/2014



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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW32
KASEC (IAF)	HARPU (NOPT) (FB)	233.83 / 10.00	7400	CLIMB TO 7400 DIRECT ECUDI AND HOLD.
LAYCE (IAF)	HARPU (NOPT) (FB)	053.58 / 10.00	7400	
HARPU (IF/IAF)	JADEK (FB)	323.71 / 7.80	6200	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 143.53 INBOUND. CHART FAS OBST: 4565 ANT 401940N/1034811W DISTANCE TO THLD FROM 250 HAT: 0.74 NM. WAAS CHANNEL # 86438 REFERENCE PATH ID: W32A CHART CIRCLING ICON. LTP HAE: 1355.1 M
JADEK (FAF)	RW32 (MAP) (FO)	323.65 / 5.14		
RW32 (MAP)	4796 MSL	323.65		
4796 MSL	ECUDI (FO)		7400	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE HARPU, RT, 323.71 INBOUND, 7400 FT. IN LIEU OF PT (IAF)
- FAC: 323.65 FAF: JADEK DIST FAF TO MAP: 5.14 THLD: 5.14
- MIN. ALT: HARPU 7400, JADEK 6200
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 6200 GS ALT AT: JADEK 6200 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 52.2 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 8E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD @					
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	4796	1	250	4796	1	250	4796	1	250	4796	1	250			
LNAV/VNAV DA	4796	1	250	4796	1	250	4796	1	250	4796	1	250			
LNAV MDA	4820	1	274	4820	1	274	4820	1	274	4820	1	274			
CIRCLING	5040	1	445	5080	1	485	5120	1 1/2	525	5340	2 1/2	745			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AKRON ALTIMETER SETTING: INCREASE ALL DA TO 4879 FT AND ALL VISIBILITIES 1/8 MILE; INCREASE ALL MDA 100 FT AND ALL CAT C AND D VISIBILITIES 1/4 MILE.
(CONTINUED ON PAGE 2)

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



CITY AND STATE FORT MORGAN, CO	ELEVATION: 4595 TDZE: 4546 AIRPORT NAME: FORT MORGAN MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 4 FEBRUARY 2016	SUP: AMDT: ORIG-A DATED 07/24/2014
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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: NIGHT LANDING: RWY 8, 17, 26, 32, 35, NA.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (VGSI ANGLE {ANGLE} TCH {FEET}).

TAA	FROM	TO	ALT
1.	234/30 CW 054/30 (NOPT)	234/12 CW 054/12 (FB)	9000
2.	234/12 CW 054/12	HARPU (IF/IAF) (FB)	7400
3.	054/30 CW 144/30	LAYCE (IAF) (FB)	7700
4.	144/30 CW 234/30	KASEC (IAF) (FB)	7400



CITY AND STATE FORT MORGAN, CO	ELEVATION: 4595	TDZE: 4546	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 4 FEBRUARY 2016	SUP:
	AIRPORT NAME: FORT MORGAN MUNI				AMDT: ORIG-A
					DATED: 07/24/2014

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFMM
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	401951.6615N
LTP/FTP LONGITUDE	1034806.9200W
LTP/FTP ELLIPSOIDAL HEIGHT	+13551
FPAP LATITUDE	402110.1050N
FPAP LONGITUDE	1034902.3160W
THRESHOLD CROSSING HEIGHT (TCH)	00052.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 2380B41B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+13744
FPAP ORTHOMETRIC HEIGHT	+13744



CITY AND STATE FORT MORGAN, CO	ELEVATION: 4595	TDZE: 4546	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 4 FEBRUARY 2016	SUP:
	AIRPORT NAME: FORT MORGAN MUNI				AMDT: ORIG-A
					DATED: 07/24/2014

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

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ARINC SUMMARY - KFMM

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
HARPU	010	HARPU	HF	FO		323.7			R			AA 07400		EE A
KASEC	010	KASEC	IF	FB										E A
KASEC	020	HARPU	TF	FB	1.0	233.8						AA 07400		EE B
LAYCE	010	LAYCE	IF	FB										E A
LAYCE	020	HARPU	TF	FB	1.0	053.6						AA 07400		EE B
	010	HARPU	IF	FB								AA 07400		E I
	020	JADEK	TF	FB	0.5	323.7						AA 06200		E F
	030	RW32	TF	FO	0.3	323.7		3.00				AT 04562		GY M
	040		CA	FB		323.7						AA 04796		M
	050	ECUDI	DF	FO								AA 07400		EY
	060	ECUDI	HM	FO		143.5			R			AA 07400		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ECUDI	N403133.08	W1035623.81
HARPU	N400827.51	W1034005.51
JADEK	N401519.87	W1034455.30
KASEC	N401311.55	W1032835.81
LAYCE	N400342.33	W1035133.61

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW32	N401951.66	W1034806.92	04509	52.2



CITY AND STATE FORT MORGAN, CO	ELEVATION: 4595 TDZE: 4546	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 4 FEBRUARY 2016	SUP:
	AIRPORT NAME: FORT MORGAN MUNI			AMDT: ORIG-A
				DATED: 07/24/2014

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.
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City, State	Airport	Effective Date	Amdt. No.
FORT MORGAN, CO	FORT MORGAN MUNI	4 FEBRUARY 2016	1

TAKEOFF MINIMUMS:

RWY 17, 35, 8, 26 NA – ENVIRONMENTAL
RWY 14, 32 STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 14, GROUND AND VEHICLE ON ROAD BEGINNING 36 FT FROM DER, 157 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/4528 FT MSL. BUILDINGS BEGINNING 329 FT FROM DER, 577 FT RIGHT OF CENTERLINE, UP TO 25 FT AGL/4527 FT MSL.
NOTE: RWY 32, GROUND BEGINNING 13 FT FROM DER, 271 FT RIGHT OF CENTERLINE, UP TO 4600 FT MSL.

CONTROLLING OBSTACLES:



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

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

City, State	Airport	Effective Date	Amdt. No.
FORT MORGAN, CO	FORT MORGAN MUNI	4 FEBRUARY 2016	1

REMARKS:

FLIGHT INSPECTED BY:

EDWARD W. MESA

Digitally signed by

FICO **LONNIE EVERHART**
Nov 03, 2015

10/29/2015

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

Digitally signed by

STEVEN M BARNETT

STEVEN BARNETT Oct 13, 2015 AJV-5442

08/04/2015

APPROVED BY:

JILL M. OLSON

Digitally signed by

LONNIE EVERHART AJV-544

Nov 03, 2015

COORDINATED WITH:

ALPA, AOPA, NBAA, ZDV, AMGR

CHANGES:

1. IN TAKEOFF MINIMUMS, ADDED RWYS 8, 26 AS NA – ENVIRONMENTAL.
2. CHANGED ALL TAKEOFF OBSTACLE NOTES.

REASONS:

1. RWYS 8, 26 TURF RUNWAYS.
2. NEW RUNWAY/OBSTACLE SURVEY.



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

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____


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

ALTERNATE: N A

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

NOTES:

 PROCEDURE CANCELED EFFECTIVE 4 FEBRUARY 2016

CITY AND STATE REIDSVILLE, GA	ELEVATION: 195	THRE: 165	FACILITY IDENTIFIER: RVJ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 11, AMDT 8A, 07/24/2014	SUP	
	AIRPORT NAME: SWINTON SMITH FLD AT REIDSVILLE MUNI	AMDT			8	
	DATE	07/26/2012				

**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

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

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

ALTERNATE: N A

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

NOTES:

 PROCEDURE CANCELED EFFECTIVE 4 FEBRUARY 2016



CITY AND STATE INDIANAPOLIS, IN	ELEVATION: 822 TDZE: 822 AIRPORT NAME: GREENWOOD MUNI	FACILITY IDENTIFIER: HFY	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 1, AMDT 3, 11/25/2004	SUP AMDT 2B DATE 03/29/1996
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**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GLD VORTAC	DAKKA (FO)	300.96 / 12.73	5600
KURIQ	FAULD (FB)	022.25 / 20.91	5700
MCJEF (IAF)	DAKKA (NOPT) (FB)	162.91 / 34.06	5600
FAULD (IAF)	DAKKA (NOPT) (FB)	077.54 / 6.44	5600
DAKKA (IF/IAF)	TETOY (FB)	125.23 / 7.75	5300
TETOY (FAF)	JEMOX/2.00 NM TO RW12 (FB)	125.31 / 3.07	
(SEE FORM 8260-10)			

LPV: DA
LNAV/VNAV: DA
LNAV: RW12

CLIMB TO 5700 DIRECT FEGIT AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 305.50 INBOUND.
CHART FAS OBST: 3726 TREE 392314N/1014342W
CHART: 3748 ANT 392345N/1014442W
DISTANCE TO THLD FROM 250 HAT: 0.66 NM.
CHART VDP AT 0.92 MILES TO RW12*
*LNAV ONLY.
WAAS CHANNEL # 65838
REFERENCE PATH ID: W12A
CHART CIRCLING ICON.
LTP HAE: 1087.4 M

MAG VAR: 9E EPOCH YEAR: 1985

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW DAKKA, RT, 125.23 INBOUND, 5600 FT. IN LIEU OF PT (IAF)
3. FAC: 125.31 FAF: TETOY DIST FAF TO MAP: 5.07 THLD: 5.07
4. MIN. ALT: DAKKA 5600, TETOY 5300, JEMOX/2.00 NM TO RW12 4320*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 5300 GS ALT AT: TETOY 5300 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR
8. MSA FROM: RW12 5700

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	3897	7/8	250	3897	7/8	250	3897	7/8	250	3897	7/8	250			
LNAV/VNAV DA	3897	7/8	250	3897	7/8	250	3897	7/8	250	3897	7/8	250			
LNAV MDA	3980	1	333	3980	1	333	3980	1	333	3980	1	333			
CIRCLING	4040	1	383	4120	1	463	4120	1 1/2	463	4240	2	583			

NOTES:
CHART NOTE: NIGHT LANDING: RWY 5, 23 NA.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -23C (-9F) OR ABOVE 54C (130F).
CHART NOTE: CIRCLING NA SOUTH OF RWY 5-30.
(CONTINUED ON PAGE 2)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE GOODLAND, KS	ELEVATION: 3657 TDZE: 3647 AIRPORT NAME: RENNER FLD /GOODLAND MUNI/	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, AMDT 2 4 FEBRUARY 2016	SUP: AMDT: 1A DATED 06/26/2014
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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.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
JEMOX/2.00 NM TO RW12	RW12 (MAP) (FO)	125.31 / 2.00	
RW12 (MAP)	3897 MSL	125.31	
3897 MSL	FEGIT (FO)		5700

NOTES, (CONT.):

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING BURLINGTON, CO ALTIMETER SETTING.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MCJEF ON V148 NORTHEAST BOUND, AND V220 WESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON GLD VORTAC AIRWAY RADIALS 273 CW 292.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURLINGTON, CO ALTIMETER SETTING AND INCREASE LPV DA TO 4037 FT AND VISIBILITY 1/2 MILE, LNAV/VNAV DA TO 4037FT AND VISIBILITY 1/2 MILE, ALL MDA 140 FT AND LNAV CATS C/D VISIBILITY 3/8 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE AND CAT D 1/2 MILE.



CITY AND STATE GOODLAND, KS	ELEVATION: 3657 AIRPORT NAME: RENNER FLD /GOODLAND MUNI/	TDZE: 3647	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, AMDT 2 4 FEBRUARY 2016	SUP:
					AMDT: 1A
					DATED: 06/26/2014

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGLD
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	392228.9985N
LTP/FTP LONGITUDE	1014218.2815W
LTP/FTP ELLIPSOIDAL HEIGHT	+10874
FPAP LATITUDE	392126.6405N
FPAP LONGITUDE	1014056.1520W
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	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 01843FFD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+11112
FPAP ORTHOMETRIC HEIGHT	+11112



CITY AND STATE GOODLAND, KS	ELEVATION: 3657	TDZE: 3647	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, AMDT 2 4 FEBRUARY 2016	SUP:
	AIRPORT NAME: RENNER FLD /GOODLAND MUNI/				AMDT: 1A
					DATED: 06/26/2014

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

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ARINC SUMMARY - KGLD

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
GLD	010	GLD	IF	FB										V
GLD	020	DAKKA	TF	FO	2.0	301.0						AA 05600		EY
GLD	030	DAKKA	HF	FO		125.2			R			AA 05600		EE A
KURIQ	010	KURIQ	IF	FB										E
KURIQ	020	FAULD	TF	FB	2.0	022.3						AA 05700		E A
KURIQ	030	DAKKA	TF	FB	1.0	077.5						AA 05600		EE B
MCJEF	010	MCJEF	IF	FB										E A
MCJEF	020	DAKKA	TF	FB	1.0	162.9						AA 05600		EE B
	010	DAKKA	IF	FB								AA 05600		E I
	020	TETOY	TF	FB	0.5	125.2				RW12		AA 05300		E F
	021	JEMOX	TF	FB	0.3	125.3		3.00				AA 04320 GS 04323		E S
	030	RW12	TF	FO	0.3	125.3		3.00				AT 03686		GY M
	040		CA	FB		125.3						AA 03897		M
	050	FEGIT	DF	FO								AA 05700		EY
	060	FEGIT	HM	FO		305.5			R			AA 05700		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
GLD	N392316.33	W1014132.27
DAKKA	N393126.66	W1015409.00
FAULD	N393103.62	W1020227.39
FEGIT	N391233.51	W1012916.54
JEMOX	N392352.96	W1014408.96
KURIQ	N391310.77	W1021628.65
MCJEF	N400511.67	W1020020.47
TETOY	N392601.71	W1014658.90

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW12	N392229.00	W1014218.28	03646	40



CITY AND STATE GOODLAND, KS	ELEVATION: 3657 TDZE: 3647	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: RENNER FLD /GOODLAND MUNI/		RNAV (GPS) RWY 12, AMDT 2	AMDT: 1A
			4 FEBRUARY 2016	DATED: 06/26/2014

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

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

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

ALTERNATE: N A

CATEGORY =====>

MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS

NOTES:

PROCEDURE CANCELED EFFECTIVE 4 FEBRUARY 2016



CITY AND STATE GLASGOW, KY	ELEVATION: 716 AIRPORT NAME: GLASGOW MUNI	THRE: 704	FACILITY IDENTIFIER: BWG	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 8, AMDT 9, 05/31/2012	SUP VOR/DME RWY 7
					AMDT 8
					DATE 06/05/2008

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

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

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

ALTERNATE: N A

CATEGORY =====>

MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS

NOTES:

 PROCEDURE CANCELED EFFECTIVE 4 FEBRUARY 2016

CITY AND STATE PRESTONSBURG, KY	ELEVATION: 1221 AIRPORT NAME: BIG SANDY RGNL	TDZE: ECB	FACILITY IDENTIFIER: ECB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME-A, AMDT 3, 11/13/2014	SUP
					AMDT
					DATE 08/22/2013



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

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
TURVY (IAF)	ILUXY (NOPT) (FB)	256.24 / 7.00	2100	LPV: DA LNAV/VNAV: DA LNAV: RW17
WNZER (IAF)	ILUXY (NOPT) (FB)	076.10 / 7.00	2100	
ILUXY (IF/IAF)	FEARR (FB)	166.17 / 6.92	1600	CLIMB TO 1700 DIRECT IRULE AND HOLD.
FEARR (FAF)	AREDE/1.30 NM TO RW17 (FB)	166.20 / 3.47		
AREDE/1.30 NM TO RW17	RW17 (MAP) (FO)	166.20 / 1.30		
RW17 (MAP)	369 MSL	166.20		ADDITIONAL FLIGHT DATA: HOLD S, RT, 346.28 INBOUND. CHART FAS OBST: 169 POLE 341713N/0775520W DISTANCE TO THLD FROM 337 HAT: 0.90 NM. WAAS CHANNEL # 90499 REFERENCE PATH ID: W17A CHART CIRCLING ICON CHART: ASR LTP HAE: -27.4 M
369 MSL	IRULE (FO)		1700	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD N ILUXY, RT, 166.17 INBOUND, 2100 FT. IN LIEU OF PT (IAF)
3. FAC: 166.20 FAF: FEARR DIST FAF TO MAP: 4.77 THLD: 4.77
4. MIN. ALT: ILUXY 2100, FEARR 1600, AREDE/1.30 NM TO RW17 480*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1600 GS ALT AT: FEARR 1600 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 50.1 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 7W 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	369	1 1/8	337	369	1 1/8	337	369	1 1/8	337	369	1 1/8	337			
LNAV/VNAV DA	405	1 1/4	373	405	1 1/4	373	405	1 1/4	373	405	1 1/4	373			
LNAV MDA	420	1	388	420	1	388	420	1 1/8	388	420	1 1/8	388			
CIRCLING	560	1	528	560	1	528	720	2	688	920	3	888			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7C (20F) OR ABOVE 54C (130F). @ CAT D 900-3
 CHART NOTE: DME/DME RNP-0.3 NA.
 *LNAV ONLY
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.



CITY AND STATE WILMINGTON, NC	ELEVATION: 32 TDZE: 32 AIRPORT NAME: WILMINGTON INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 4 4 FEBRUARY 2016	SUP: AMDT: 3A DATED 06/26/2014
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TAA	FROM	TO	ALT
1.	076/30 CW 256/30 (NOPT)	ILUXY (IF/IAF) (FB)	2100
2.	256/30 CW 346/30	TURVY (IAF) (FB)	2100
3.	346/30 CW 076/30	346/13 CW 076/13	3100
4.	346/13 CW 076/13	WNZER (IAF) (FB)	2100



CITY AND STATE WILMINGTON, NC	ELEVATION: 32 TDZE: 32 AIRPORT NAME: WILMINGTON INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 4 4 FEBRUARY 2016	SUP:
				AMDT: 3A
				DATED: 06/26/2014

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KILM
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	341656.0205N
LTP/FTP LONGITUDE	0775434.6125W
LTP/FTP ELLIPSOIDAL HEIGHT	-00274
FPAP LATITUDE	341532.5705N
FPAP LONGITUDE	0775356.4750W
THRESHOLD CROSSING HEIGHT (TCH)	00050.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0496
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 8A5DA192

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00093
FPAP ORTHOMETRIC HEIGHT	+00093



CITY AND STATE WILMINGTON, NC	ELEVATION: 32	TDZE: 32	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 4 4 FEBRUARY 2016	SUP:
	AIRPORT NAME: WILMINGTON INTL				AMDT: 3A
					DATED: 06/26/2014

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

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

ARINC SUMMARY - KILM

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ILUXY	010	ILUXY	HF	FO		166.2			R			AA 02100		EE A
TURVY	010	TURVY	IF	FB										E A
TURVY	020	ILUXY	TF	FB	1.0	256.2						AA 02100		EE B
WNZER	010	WNZER	IF	FB										E A
WNZER	020	ILUXY	TF	FB	1.0	076.1						AA 02100		EE B
	010	ILUXY	IF	FB								AA 02100		E I
	020	FEARR	TF	FB	0.5	166.2						AA 01600		E F
	021	AREDE	TF	FB	0.3	166.2		3.00				AA 00480 GS 00495		E S
	030	RW17	TF	FO	0.3	166.2		3.00				AT 00081		GY M
	040		CA	FB		166.2						AA 00369		M
	050	IRULE	DF	FO								AA 01700		EY
	060	IRULE	HM	FO		346.3			R			AA 01700		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
AREDE	N341809.07	W0775508.02
FEARR	N342124.12	W0775637.29
ILUXY	N342753.05	W0775935.68
IRULE	N340428.32	W0774853.80
TURVY	N343022.38	W0775140.75
WNZER	N342523.21	W0780730.14

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW17	N341656.02	W0775434.61	00031	50.1



CITY AND STATE WILMINGTON, NC	ELEVATION: 32	TDZE: 32	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: WILMINGTON INTL		RNAV	RNAV (GPS) RWY 17, AMDT 4	AMDT: 3A
				4 FEBRUARY 2016	DATED: 06/26/2014

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

2. _____

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

4. MIN. ALT _____

8. MSA FROM: _____

MAG VAR: _____ EPOCH YEAR: _____

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

ALTERNATE: N A

CATEGORY =====>

MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS

NOTES:

PROCEDURE CANCELED EFFECTIVE 4 FEBRUARY 2016



CITY AND STATE
SIDNEY, NY

ELEVATION: 1027 TDZE: 1027
AIRPORT NAME:
SIDNEY MUNI

FACILITY IDENTIFIER:
RKA

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
VOR RWY 25, AMDT 3A, 12/15/2011

SUP	
AMDT	3
DATE	03/12/2009

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	LP: RW08 LNAV: RW08
HAILS (IAF)	ILVER (FB)	023.43 / 10.06	3600	CLIMBING RIGHT TURN TO 3600 DIRECT ILVER AND HOLD.
DIANO (IAF)	ILVER (FB)	160.85 / 18.60	3600	
ILVER (IF)	FEYJA (FB)	080.76 / 6.10	2500	ADDITIONAL FLIGHT DATA: HOLD W, RT, 080.76 INBOUND. FAS OBST: 1279 AAO 404721N/0755127W FAS OBST: 1339 AAO 404755N/0755000W 1739 AAO 404741N/0755427W 1359 AAO 404650N/0755300W WAAS CHANNEL # 99421 REFERENCE PATH ID: W08A LTP HAE: 128.2 M
FEYJA (FAF)	RW08 (MAP) (FO)	080.84 / 6.05		
RW08 (MAP)	934 MSL	080.84		
934 MSL	ILVER (FO)		3600	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT ILVER
3. FAC: 080.84 FAF: FEYJA DIST FAF TO MAP: 6.05 THLD: 6.05
4. MIN. ALT: ILVER 3600, FEYJA 2500
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW08 4000

MAG VAR: 12W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>	ALTERNATE: <u>NA</u>	@ <u> </u>													
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1540	1 1/4	1006	1540	1 1/2	1006		NA			NA				
LNAV MDA	1600	1 1/4	1066	1600	1 1/2	1066		NA			NA				
CIRCLING	1600	1 1/4	1066	1600	1 1/2	1066		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HAILS ON V93 SOUTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DIANO ON V164 NORTHWEST BOUND AND V499 NORTHBOUND.
(CONTINUED ON PAGE 2)

@ CAT A, B 1100-2


CITY AND STATE LEHIGHTON, PA	ELEVATION: 534 TDZE: 534 AIRPORT NAME: JAKE ARNER MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1B 4 FEBRUARY 2016	SUP: 4 AMDT: 1A DATED 06/30/2011
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

NOTES, (CONT.):
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LEHIGH VALLEY INTL ALTIMETER SETTING AND INCREASE ALL MDA 60 FT.
 CHART NOTE: NIGHT LANDING: RWY 26 NA.
 CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES..
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CITY AND STATE LEHIGHTON, PA	ELEVATION: 534	TDZE: 534	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1B 4 FEBRUARY 2016	SUP: 
	AIRPORT NAME: JAKE ARNER MEMORIAL				AMDT: 1A
					DATED: 06/30/2011

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	22N
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	404828.9370N
LTP/FTP LONGITUDE	0754559.5630W
LTP/FTP ELLIPSOIDAL HEIGHT	+01282
FPAP LATITUDE	404900.9900N
FPAP LONGITUDE	0754410.0700W
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	1840
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER 90ABBF33

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01622
FPAP ORTHOMETRIC HEIGHT	+01622



CITY AND STATE LEHIGHTON, PA	ELEVATION: 534	TDZE: 534	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1B 4 FEBRUARY 2016	SUP: 4
	AIRPORT NAME: JAKE ARNER MEMORIAL				AMDT: 1A
					DATED: 06/30/2011

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

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ARINC SUMMARY - 22N

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
DIANO	010	DIANO	IF	FB										E A
DIANO	020	ILVER	TF	FB	1.0	160.9						AA 03600		EE B
HAILS	010	HAILS	IF	FB										E A
HAILS	020	ILVER	TF	FB	1.0	023.4						AA 03600		EE B
	010	ILVER	IF	FB								AA 03600		E I
	020	FEYJA	TF	FB	0.5	080.8				RW08		AA 02500		E F
	030	RW08	TF	FO	0.3	080.8		3.00				AT 00572		GY M
	040		CA	FB		080.8						AA 00934		M
	050	ILVER	DF	FO					R			AA 03600		EY
	060	ILVER	HM	FO		080.8			R			AA 03600		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
DIANO	N410001.99	W0761333.78
FEYJA	N404617.97	W0755325.68
HAILS	N403413.43	W0760331.77
ILVER	N404405.61	W0760054.38

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW08	N404828.94	W0754559.56	00532	40

CITY AND STATE LEHIGHTON, PA	ELEVATION: 534 TDZE: 534	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1B 4 FEBRUARY 2016	SUP: 4
	AIRPORT NAME: JAKE ARNER MEMORIAL			AMDT: 1A
	DATED: 06/30/2011			

QUALITY
4
CHECKED

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ETX VOR/DME	FIENE (FB)	051.04 / 16.29	3800	LP: RW26 LNAV: RW26
FIENE (IAF)	OCCEZ (FB)	342.06 / 6.00	3700	
RACKI (IAF)	OCCEZ (FB)	175.48 / 8.36	3700	CLIMB TO 3600 DIRECT ILVER AND HOLD.
OCCEZ (IF)	EJEBA (FB)	261.08 / 6.11	2200	
EJEBA (FAF)	WASIG/3.50 NM TO RW26 (FB)	261.00 / 1.69		
WASIG/3.50 NM TO RW26 (SEE FORM 8260-10)	RW26 (MAP) (FO)	261.00 / 3.50		ADDITIONAL FLIGHT DATA: HOLD W, RT, 080.76 INBOUND. FAS OBST: 1119 AAO 404841N/0754313W FAS OBST: 1119 AAO 404907N/0754238W CHART 1350 TOWER 404943N/0753906W. WAAS CHANNEL # 53421 REFERENCE PATH ID: W26A LTP HAE: 120.6 M

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT OCCEZ
- FAC: 261.00 FAF: EJEBA DIST FAF TO MAP: 5.19 THLD: 5.19
- MIN. ALT: OCCEZ 3700, EJEBA 2200, WASIG/3.50 NM TO RW26 1660
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW26 4000

MAG VAR: 12W EPOCH YEAR: 2000

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	1380	1	846	1380	1 1/4	846		NA			NA				
LNAV MDA	1380	1	846	1380	1 1/4	846		NA			NA				
CIRCLING	1460	1 1/4	926	1520	1 1/2	986		NA			NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA. @ CAT A 1000-2, CAT B 1000-2
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RACKI ON V613 NORTH BOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON ETX VOR/DME AIRWAY RADIALS 324 CW 133.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LEHIGH VALLEY INTL ALTIMETER SETTING
 (CONTINUED ON PAGE 2)

CITY AND STATE LEHIGHTON, PA	ELEVATION: 534 TDZE: 534 AIRPORT NAME: JAKE ARNER MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, AMDT 1B 4 FEBRUARY 2016	SUP: 4 AMDT: 1A DATED 06/30/2011
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QUALITY
4
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, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
RW26 (MAP)	934 MSL	261.00	
934 MSL	ILVER (FO)		3600

NOTES, (CONT.):

AND INCREASE ALL MDA 60 FT AND LP AND LNAV CAT A VISIBILITY 1/4 MILE.
 CHART NOTE: HELICOPTER VISIBILITY BELOW 1 SM NOT AUTHORIZED.
 CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.

CITY AND STATE LEHIGHTON, PA	ELEVATION: 534 AIRPORT NAME: JAKE ARNER MEMORIAL	TDZE: 534	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, AMDT 1B 4 FEBRUARY 2016	SUP: 4
					AMDT: 1
					DATED: 06/30/2011

QUALITY
4
CHECKED

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	22N
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	404839.5970N
LTP/FTP LONGITUDE	0754523.1550W
LTP/FTP ELLIPSOIDAL HEIGHT	+01206
FPAP LATITUDE	404807.5300N
FPAP LONGITUDE	0754712.6400W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1840
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER BC1513A7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01545
FPAP ORTHOMETRIC HEIGHT	+01545

CITY AND STATE LEHIGHTON, PA	ELEVATION: 534	TDZE: 534	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, AMDT 1B 4 FEBRUARY 2016	SUP: 4
	AIRPORT NAME: JAKE ARNER MEMORIAL				AMDT: 1
					DATED: 06/30/2011

QUALITY
4
CHECKED

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

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

ARINC SUMMARY - 22N

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ETX	010	ETX	IF	FB										V
ETX	020	FIENE	TF	FB	2.0	051.0						AA 03800		E A
ETX	030	OCCEZ	TF	FB	1.0	342.1						AA 03700		EE B
RACKI	010	RACKI	IF	FB										E A
RACKI	020	OCCEZ	TF	FB	1.0	175.5						AA 03700		EE B
	010	OCCEZ	IF	FB								AA 03700		E I
	020	EJEB A	TF	FB	0.5	261.1				RW26		AA 02200		E F
	021	WASIG	TF	FB	0.3	261.0		3.00				AA 01660 GS 01662		E S
	030	RW26	TF	FO	0.3	261.0		3.00				AT 00547		GY M
	040		CA	FB		261.0						AA 00934		M
	050	ILVER	DF	FO								AA 03600		EY
	060	ILVER	HM	FO		080.8			R			AA 03600		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ETX	N403451.73	W0754102.52
EJEB A	N405031.46	W0753900.24
FIENE	N404730.36	W0752732.11
ILVER	N404405.61	W0760054.38
OCCEZ	N405242.66	W0753129.10
RACKI	N410043.80	W0753437.05
WASIG	N404955.06	W0754105.00

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW26	N404839.60	W0754523.16	00507	40

CITY AND STATE
LEHIGHTON, PA

ELEVATION: 534 TDZE: 534
AIRPORT NAME:
JAKE ARNER MEMORIAL

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 26, AMDT 1B
4 FEBRUARY 2016

SUP: 4
AMDT: 1B
DATED: 06/30/2011

QUALITY
CHECKED

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

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

ALTERNATE: N A

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

NOTES:

 PROCEDURE CANCELED EFFECTIVE 4 FEBRUARY 2016

CITY AND STATE PORTLAND, TN	ELEVATION: 818 AIRPORT NAME: PORTLAND MUNI	TDZE: 811	FACILITY IDENTIFIER: BWG	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 19, AMDT 3A, 05/08/2002	SUP
					AMDT
					DATE 06/22/1995



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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

2. _____

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

4. MIN. ALT _____

8. MSA FROM: _____

MAG VAR: _____ EPOCH YEAR: _____

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

ALTERNATE: N A

CATEGORY =====>

MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS	MDA	VIS

NOTES:

PROCEDURE CANCELED EFFECTIVE 4 FEBRUARY 2016

CITY AND STATE TRENTON, TN	ELEVATION: 359	TDZE: GIBSON COUNTY	FACILITY IDENTIFIER: DYR	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME-A, AMDT 6A, 04/03/2014	SUP
	AIRPORT NAME:				4
	DATE 12/20/2007				CHECKED

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.61 MILES AFTER WUGUT INT/I-BLI 6.86 DME OR AT I-BLI 1.25 DME FIX
HUH VORTAC	SECOG INT/I-BLI 12.86 DME	008.34 / 3.41	2500	CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 2000 ON HEADING 275 AND ON YVR VOR/DME R-135 TO TECUV INT/YVR 15.27 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 3000 DIRECT HUH VORTAC.
SECOG INT/I-BLI 12.86 DME (IF/IAF)	WUGUT INT/I-BLI 6.86 DME	163.85 / 6.00 (I-BLI)	2000	

ADDITIONAL FLIGHT DATA:
 HOLD NW, RT, 134.90 INBOUND.
 CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW HUH VORTAC, RT, 149.00 INBOUND.
 CHART FAS OBST: 246 TREE 484833N/1223201W
 CHART IN PLANVIEW: HUH VORTAC.
 CHART CIRCLING ICON

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD N SECOG, RT, 163.85 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 163.85 FAF: WUGUT INT/I-BLI 6.86 DME DIST FAF TO MAP: 5.61 THLD: 5.61
4. MIN. ALT: SECOG 2000, WUGUT 2000, CEPUM/I-BLI 2.45 DME 580*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: 1891 100 HAT: - GS ANT: 1058
6. MIN GS INCPT: 2000 GS ALT AT: WUGUT 2000 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 51.4
8. MSA FROM: HUH VORTAC 050-140 8300, 140-230 3900, 230-320 5500, 320-050 6600

MAG VAR: 16E EPOCH YEAR: 2020

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 16**	363	2400	200	363	2400	200	363	2400	200	363	2400	200			
S-LOC 16	580	2400	417	580	2400	417	580	4000	417	580	4000	417			
CIRCLING	620	1	450	620	1	450	900	2	730	1160	3	990			

CEPUM FIX MINIMUMS (DME REQUIRED)

S-LOC 16	500	2400	337	500	2400	337	500	2600	337	500	2600	337			
CIRCLING	620	1	450	620	1	450	900	2	730	1160	3	990			

NOTES:
 SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 16: CAT A, B, C, D, RA
 244, RVR 1400, HAT 150, DA 313 MSL.

#@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 # CAT C 800-2, CAT D 1000-3
 @ CAT D 1000-3

CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
 CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.
 (CONTINUED ON PAGE 2)



CITY AND STATE BELLINGHAM, WA	ELEVATION: 170 TDZE: 163 AIRPORT NAME: BELLINGHAM INTL	FACILITY IDENTIFIER: I-BLI	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 16, AMDT 8 ILS RWY 16 (SA CAT I) 4 FEBRUARY 2016	SUP: AMDT: 7B DATED 05/29/2014
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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

NOTES, (CONT.):

***LOC ONLY**

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

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FRIDAY HARBOR ALTIMETER SETTING; INCREASE DA TO 430 FEET; INCREASE ALL MDA 80 FEET AND INCREASE S-LOC 16 CATS C,D VISIBILITY TO RVR 5000; INCREASE CEPUM FIX MINIMUMS S-LOC 16 CATS C,D VISIBILITY TO RVR 4000; INCREASE S-LOC CIRCLING AND CEPUM FIX MINIMUMS CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 16 CATS C/D VISIBILITY TO RVR 6000 AND INCREASE CEPUM FIX MINIMUMS CATS C,D VISIBILITY RVR TO 5000.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING FRIDAY HARBOR ALTIMETER SETTING INCREASE S-ILS 16 ALL CATS VISIBILITY TO RVR 4500, INCREASE S-LOC 16 CAT C/D VISIBILITY TO 1 3/8 MILE, INCREASE CEPUM FIX MINIMUMS S-LOC 16 CATS C/D VISIBILITY TO RVR 6000.

QUALITY
10
CHECKED

CITY AND STATE BELLINGHAM, WA	ELEVATION: 170 AIRPORT NAME: BELLINGHAM INTL	TDZE: 163	FACILITY IDENTIFIER: I-BLI	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 16, AMDT 8 ILS RWY 16 (SA CAT I) 4 FEBRUARY 2016	SUP: 7B
					AMDT: 7B
					DATED: 05/29/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KBLI

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
HUH	010	HUH	IF	FB										V
HUH	020	SECOG	TF	FO								AA 02500		EY
HUH	030	SECOG	HF	FO		163.9	IBLI		R			AA 02000		EE A
	010	SECOG	IF	FB			IBLI					AA 02000 GI 02000		E I
	020	WUGUT	CF	FB		164.0	IBLI	3.00		HUH		GI 02000 GS 02000		E F
	030	RW16	CF	FO		164.0	IBLI	3.00				AT 00214		GY M
	040		CA	FB		163.9						AA 00700		M
	050		VI	FB		275.0			R					
	060	TECUV	CF	FO		314.9	YVR					AA 02000		EY
	070	TECUV	HM	FO		134.9			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
YVR	N490438.35	W1230856.66
HUH	N485643.03	W1223445.32
IBLI (DME)	N484651.97	W1223208.08
TECUV	N485110.03	W1225803.19
SECOG	N485942.80	W1223217.97
WUGUT	N485343.01	W1223216.53
IBLI (LOC)	N484650.67	W1223214.89

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW16	N484806.75	W1223215.20	00163	51



CITY AND STATE BELLINGHAM, WA	ELEVATION: 170 TDZE: 163	FACILITY IDENTIFIER: I-BLI	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BELLINGHAM INTL		ILS OR LOC RWY 16, AMDT 8	AMDT: 7B
			ILS RWY 16 (SA CAT I)	DATED: 05/29/2014
			4 FEBRUARY 2016	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KBLI

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
HUH	010	HUH	IF	FB										V
HUH	020	SECOG	TF	FO								AA 02500		EY
HUH	030	SECOG	HF	FO		163.9	IBLI		R			AA 02000		EE A
	010	SECOG	IF	FB			IBLI					AA 02000		E I
	020	WUGUT	CF	FB		164.0	IBLI			HUH		AA 02000		E F
	021	CEPUM	CF	FB		164.0	IBLI	3.01				AA 00580		E S
	030	RW16	CF	FO		164.0	IBLI	3.01				AT 00214		GY M
	040		CA	FB		163.9						AA 00700		M
	050		VI	FB		275.0			R					
	060	TECUV	CF	FO		314.9	YVR					AA 02000		EY
	070	TECUV	HM	FO		134.9			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
YVR	N490438.35	W1230856.66
HUH	N485643.03	W1223445.32
IBLI (DME)	N484651.97	W1223208.08
TECUV	N485110.03	W1225803.19
CEPUM	N484918.69	W1223215.49
SECOG	N485942.80	W1223217.97
WUGUT	N485343.01	W1223216.53
IBLI (LOC)	N484650.67	W1223214.89

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW16	N484806.75	W1223215.20	00163	51



CITY AND STATE BELLINGHAM, WA	ELEVATION: 170 TDZE: 163	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BELLINGHAM INTL	I-BLI	ILS OR LOC RWY 16, AMDT 8	AMDT: 7B
			ILS RWY 16 (SA CAT I) 4 FEBRUARY 2016	DATED: 05/29/2014

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
HUH VORTAC	SECOG (FO)	012.34 / 3.41	2500	LPV: DA LNAV/VNAV: DA LNAV: RW16
SECOG (IF/IAF)	WUGUT (FB)	163.85 / 6.00	2000	
WUGUT (FAF)	RW16 (MAP) (FO)	163.85 / 5.61		CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 2000 DIRECT TECUV AND HOLD.
RW16 (MAP)	700 MSL	163.85	700	
700 MSL	TECUV (FO)		2000	

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 135.90 INBOUND.
FAS OBST: 299 AAO 485139N/1223209W
DISTANCE TO THLD FROM 200 HAT: 0.47 NM.
CHART VDP AT 1.09 MILES TO RW16*
*LNAV ONLY.
WAAS CHANNEL # 45999
REFERENCE PATH ID: W16A
CHART CIRCLING ICON
LTP HAE: 28 M

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD N SECOG, RT, 163.85 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 163.85 FAF: WUGUT DIST FAF TO MAP: 5.61 THLD: 5.61
4. MIN. ALT: SECOG 2000, WUGUT 2000
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2000 GS ALT AT: WUGUT 2000 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 51.4 34:1 IS CLEAR
8. MSA FROM: RW16 12000

MAG VAR: 16E EPOCH YEAR: 2020

MINIMUMS

TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD @					
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	363	2400	200	363	2400	200	363	2400	200	363	2400	200			
LNAV/VNAV DA	491	3000	328	491	3000	328	491	3000	328	491	3000	328			
LNAV MDA	560	2400	397	560	2400	397	560	3500	397	560	3500	397			
CIRCLING	620	1	450	620	1	450	900	2	730	1160	3	990			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -10C (14F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON HUH VORTAC AIRWAY RADIALS 344 CW 021.
(CONTINUED ON PAGE 2)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.
@ CAT D 1000-3



CITY AND STATE BELLINGHAM, WA	ELEVATION: 170 TDZE: 163 AIRPORT NAME: BELLINGHAM INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 16, AMDT 3 4 FEBRUARY 2016	SUP: AMDT: 2B DATED 05/29/2014
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

NOTES, (CONT.):

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING FRIDAY HARBOR ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FRIDAY HARBOR ALTIMETER SETTING AND INCREASE ALL DA 67 FEET AND ALL MDA 80 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500, LNAV CATS C,D VISIBILITY TO RVR 5000 AND CIRCLING CAT C VISIBILITY TO 2 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING FRIDAY HARBOR ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, LNAV/VNAV ALL CATS VISIBILITY TO 1 1/4 MILE AND LNAV CAT C,D VISIBILITY TO 1 3/8 MILE.



CITY AND STATE BELLINGHAM, WA	ELEVATION: 170 TDZE: 163 AIRPORT NAME: BELLINGHAM INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 16, AMDT 3 4 FEBRUARY 2016	SUP:
				AMDT: 2B
				DATED: 05/29/2014

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBLI
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	484806.7495N
LTP/FTP LONGITUDE	1223215.1990W
LTP/FTP ELLIPSOIDAL HEIGHT	+00280
FPAP LATITUDE	484637.7190N
FPAP LONGITUDE	1223214.8470W
THRESHOLD CROSSING HEIGHT (TCH)	00051.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0704
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER F9083022

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+00495
FPAP ORTHOMETRIC HEIGHT	+00495



CITY AND STATE BELLINGHAM, WA	ELEVATION: 170	TDZE: 163	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 16, AMDT 3 4 FEBRUARY 2016	SUP:
	AIRPORT NAME: BELLINGHAM INTL				AMDT: 2B
					DATED: 05/29/2014

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

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

ARINC SUMMARY - KBLI

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
HUH	010	HUH	IF	FB										V
HUH	020	SECOG	TF	FO	2.0	012.3						AA 02500		EY
HUH	030	SECOG	HF	FO		163.9			R			AA 02000		EE A
	010	SECOG	IF	FB								AA 02000		E I
	020	WUGUT	TF	FB	0.5	163.9				RW16		AA 02000		E F
	030	RW16	TF	FO	0.3	163.9		3.00				AT 00214		GY M
	040		CA	FB		163.9						AA 00700		M
	050	TECUV	DF	FO					R			AA 02000		EY
	060	TECUV	HM	FO		135.9			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
HUH	N485643.03	W1223445.32
SECOG	N485942.80	W1223217.97
TECUV	N485110.03	W1225803.19
WUGUT	N485343.01	W1223216.53

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW16	N484806.75	W1223215.20	00163	51

CITY AND STATE BELLINGHAM, WA	ELEVATION: 170 TDZE: 163	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 16, AMDT 3 4 FEBRUARY 2016	SUP: 10
	AIRPORT NAME: BELLINGHAM INTL			AMDT: 2B
				DATED: 05/29/2014



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

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

TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
SECOG (IF)	WUGUT (TF) (FB) (RNP 1.00)	163.85 / 6.00	2000
WUGUT (FAF)	RW16 (MAP) (TF) (FO)	163.85 / 5.61	
RW16 (MAP)	700 MSL (CA)	163.85	700
700 MSL	TECUV (DF) (FO)		2000

NOTES, (CONT.):

- CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
- CHART PLANVIEW NOTE ADJACENT TO UCAKI: RF REQUIRED.
- CHART PLANVIEW NOTE ADJACENT TO TECUV: RF REQUIRED.
- CHART SPEED ICON IN PLANVIEW AT CUSEL: MAX 180 KIAS.
- CHART SPEED ICON IN PLANVIEW AT HONUV: MAX 180 KIAS.
- CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.27 ALL CATS VISIBILITY TO RVR 4500.
- CHART PLANVIEW NOTE AT SECOG: RADAR REQUIRED FOR ARRIVALS AT SECOG.



CITY AND STATE BELLINGHAM, WA	ELEVATION: 170 TDZE: 163 AIRPORT NAME: BELLINGHAM INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 16, AMDT 1 4 FEBRUARY 2016	SUP:
				AMDT: ORIG-A
				DATED: 05/29/2014

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

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

ARINC SUMMARY - KBLI

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
SECOG	010	SECOG	IF	FB										E B
SECOG	020	WUGUT	TF	FB	1.0							AA 02000		EE
TECUV	010	TECUV	IF	FB										E A
TECUV	020	APDON	TF	FB	1.0							AA 02000		E B
TECUV	030	HONUV	TF	FB	1.0							AA 02000	AB 180	E
TECUV	040	WUGUT	RF	FB	1.0				R	CFFVP	02.01	AA 02000		EE
UCAKI	010	UCAKI	IF	FB										E A
UCAKI	020	CUSEL	TF	FB	1.0							AA 02000	AB 180	E B
UCAKI	030	HONUV	RF	FB	1.0				R	CFFVP	02.01	AA 02000	AB 180	E
UCAKI	040	WUGUT	RF	FB	1.0				R	CFFVP	02.01	AA 02000		EE
	020	WUGUT	IF	FB						RW16		AA 02000		E F
	030	RW16	TF	FO	0.3			3.00				AT 00214		GY M
	040	CA	FB			163.9						AA 00700		M
	050	TECUV	DF	FO					R			AA 02000		EY
	060	TECUV	HM	FO		135.9			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
TECUV	N485110.03	W1225803.19
UCAKI	N484733.45	W1223948.81
APDON	N485420.99	W1224444.60
CFFVP	N485342.65	W1223519.29
CUSEL	N485400.75	W1223819.97
HONUV	N485540.14	W1223559.89
SECOG	N485942.80	W1223217.97
WUGUT	N485343.01	W1223216.53

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW16	N484806.75	W1223215.20	00163	51



CITY AND STATE BELLINGHAM, WA	ELEVATION: 170 TDZE: 163	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 16, AMDT 1 4 FEBRUARY 2016	SUP:
	AIRPORT NAME: BELLINGHAM INTL			AMDT: ORIG-A
				DATED: 05/29/2014

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

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

TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
UPEKE (FAF)	RW34 (MAP) (TF) (FO)	343.85 / 3.39	
RW34 (MAP)	700 MSL	343.85	700
700 MSL	HUH VORTAC (DF) (FO)		3000

NOTES, (CONT.):

- CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
- CHART PLANVIEW NOTE AT IWANY: (RNP 0.50).
- CHART PLANVIEW NOTE AT ZEJYA: (RNP 0.30)
- CHART PLANVIEW NOTE ADJACENT TO ZEJYA: RF REQUIRED.
- CHART PLANVIEW NOTE AT ZEJYA: RADAR REQUIRED FOR ARRIVALS AT ZEJYA.
- CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IWANY ON V23 SOUTHBOUND.
- CHART SPEED ICON IN PLANVIEW AT ISUWU: MAX 180 KIAS.



CITY AND STATE BELLINGHAM, WA	ELEVATION: 170 TDZE: 170 AIRPORT NAME: BELLINGHAM INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 34, AMDT 1 4 FEBRUARY 2016	SUP:
				AMDT: ORIG-A
				DATED: 05/29/2014

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

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ARINC SUMMARY - KBLI

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
IWANY	010	IWANY	IF	FB										E A
IWANY	020	TUBTY	TF	FB	1.0							AA 03000		E B
IWANY	030	OHADO	TF	FB	1.0							AA 02200		E
IWANY	040	UPEKE	TF	FB	0.5							AA 01300		EE
ZEJYA	010	ZEJYA	IF	FB										E A
ZEJYA	020	ISUWU	TF	FB	0.3							AA 01900	AB 180	E B
ZEJYA	030	UPEKE	RF	FB	0.3				L	CFFVN	02.29	AA 01300		EE
	020	UPEKE	IF	FB						RW34		AA 01300		E F
	030	RW34	TF	FO	0.3			3.00				AT 00220		GY M
	040		CA	FB		343.9						AA 00700		M
	050	HUH	DF	FO								AA 03000		VY
	060	HUH	HM	FO		149.0			R			AA 03000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
HUH	N485643.03	W1223445.32
IWANY	N482718.19	W1222601.02
TUBTY	N483412.18	W1223211.90
CFFVN	N484336.91	W1223541.26
ISUWU	N484145.91	W1223742.69
OHADO	N484047.88	W1223213.46
UPEKE	N484337.32	W1223214.13
ZEJYA	N484540.56	W1224553.77

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW34	N484700.63	W1223214.93	00170	50



CITY AND STATE BELLINGHAM, WA	ELEVATION: 170 TDZE: 170	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 34, AMDT 1 4 FEBRUARY 2016	SUP:
	AIRPORT NAME: BELLINGHAM INTL		AMDT: ORIG-A	
			DATED: 05/29/2014	

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

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City, State	Airport	Effective Date	Amdt. No.
BELLINGHAM, WA	BELLINGHAM INTL	4 FEBRUARY 2016	6

TAKEOFF MINIMUMS:

RWY 16, 34, STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 16, CLIMB HEADING 163.85 TO 600 THEN CLIMBING RIGHT TURN DIRECT HUH VORTAC. DO NOT EXCEED 210 KIAS UNTIL ESTABLISHED NORTHBOUND.

RWY 34 CLIMB HEADING 343.85 TO 600 THEN CLIMBING LEFT TURN TO INTERCEPT HUH R-145 TO HUH VORTAC. CONTINUE CLIMB IN HUH HOLDING PATTERN (NORTHWEST, RIGHT TURNS, 149.00 INBOUND) TO MEA AS APPROPRIATE FOR DIRECTION OF FLIGHT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16, TREE AND WINDSOCK BEGINNING ABEAM DER, 258 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/187 FT MSL. TREES BEGINNING 180 FT FROM DER, 534 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/199 FT MSL. TREES BEGINNING 747 FT FROM DER, 404 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/213 FT MSL. TREES BEGINNING 1128 FT FROM DER, 56 FT LEFT OF CENTERLINE, UP TO 75 FT AGL/249 FT MSL.

NOTE: RWY 34, WINDSOCK 92 FT FROM DER, 516 FT RIGHT OF CENTERLINE, 19 FT AGL/169 FT MSL. TREES BEGINNING 1372 FT FROM DER, 698 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/208 FT MSL. TREES BEGINNING 2682 FT FROM DER, 966 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/246 FT MSL. TREES BEGINNING 3079 FT FROM DER, 619 FT RIGHT OF CENTERLINE, UP TO 85 FT AGL/246 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ROUTE DEVELOPMENT: RWY 16, 1865 FT MSL AAO 484009.62N/1223829.84W (210KIAS); RWY 16, 34, 11000 FT MSL AAO 484633.28N/1214912.59W



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

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City, State	Airport	Effective Date	Amdt. No.
PORT ANGELES, WA	WILLIAM R FAIRCHILD INTL	4 FEBRUARY 2016	3

TAKEOFF MINIMUMS:

TEXTUAL DEPARTURE PROCEDURES:

USE WATTR DEPARTURE

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

CONTROLLING OBSTACLES:



**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)**

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Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
WATTR	SIX	WATTR6.WATTR	FIVE	10/25/2007	4 FEBRUARY 2016

TYPE: OBSTACLE

DP ROUTE DESCRIPTION:

TAKEOFF RWY 8, 13: CLIMBING LEFT TURN THENCE...
TAKEOFF RWY 26, 31: CLIMBING RIGHT TURN THENCE...

...ON 075 BEARING FROM CL LOM TO WATTR INT. MAINTAIN 5400.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

RWY 26, 31: STANDARD
RWY 13: STANDARD WITH MINIMUM CLIMB OF 460 FT PER NM TO 1100, OR 3300-3 FOR VCOA.
RWY 8, 300-1

VISUAL CLIMB OVER AIRPORT:

RWY 13: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS WILLIAM R FAIRCHILD INTL AIRPORT ON HEADING 045 AT OR ABOVE 3400, CONTINUE CLIMB TO 5400 ON 075 BEARING FROM CL LOM TO WATTR INT. MAINTAIN 5400.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 8, BLDG AND HANGER BEGINNING 100 FT FROM DER, 499 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/314 FT MSL. BLDG AND TREE BEGINNING 130 FT FROM DER, 258 FT LEFT OF CENTERLINE, UP TO 20 FT AGL/311 FT MSL. NAVAID 303 FT FROM DER, ON CENTERLINE, 8 FT AGL/300 FT MSL. POWERLINES BEGINNING 922 FT FROM DER, FROM 343 FT LEFT OF CENTERLINE TO 650 FT RIGHT OF CENTERLINE, UP TO 62 FT AGL/362 FT MSL. TREES BEGINNING 1218 FT FROM DER, 305 FT LEFT OF CENTERLINE, UP TO 85 FT AGL/388 FT MSL. TREES BEGINNING 1270 FT FROM DER, 146 FT RIGHT OF CENTERLINE, UP TO 102 FT AGL/402 FT MSL. TREES BEGINNING 1304 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 156 FT AGL/456 FT MSL. TREES BEGINNING 4375 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 170 FT AGL/495 FT MSL.
NOTE: RWY 13, SIGN 77 FT FROM DER, 229 FT LEFT OF CENTERLINE, 7 FT AGL/276 FT MSL. POLE AND TREES BEGINNING 614 FT FROM DER, 194 FT RIGHT OF CENTERLINE, UP TO 42 FT AGL/318 FT MSL. TREE AND AIRPORT BEACON BEGINNING 1722 FT FROM DER, 355 FT LEFT OF CENTERLINE, UP TO 49 FT AGL/345 FT MSL. TREES BEGINNING 2219 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 102 FT AGL/402 FT MSL.
NOTE: RWY 26, TREES BEGINNING 2940 FT FROM DER, 914 FT LEFT OF CENTERLINE, UP TO 128 FT AGL/378 FT MSL. TREE 3987 FT FROM DER, 519 FT RIGHT OF CENTERLINE, 186 FT AGL/386 FT MSL.
NOTE: RWY 31, TREES BEGINNING 470 FT FROM DER, 39 FT LEFT OF CENTERLINE, UP TO 98 FT AGL/298 FT MSL. TREES BEGINNING 640 FT FROM DER, 112 FT RIGHT OF CENTERLINE, UP TO 127 FT AGL/290 FT MSL.

**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)**

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
WATTR	SIX	WATTR6.WATTR	FIVE	10/25/2007	4 FEBRUARY 2016

CONTROLLING OBSTACLES:

RWY 8, 456 MSL TREE 480648.74N/1232855.41W (CG) (CTA), 495 MSL TREE 480642.30N/1232811.16W (CEILING), 446 MSL TREE 480646.84N/1232802.14W (VISIBILITY)
RWY 13, 586 MSL TREE 480623.68N/1232906.54W (CG), 883 MSL TREE 480529.47N/1232839.60W (CTA)
VCOA: 1024 MSL AAO 480457.40N/1232734.80W, 3100 MSL AAO 480231.90N/1233114.15W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 8,13, 26, 31 6654 MSL AAO 475934.40N/1232748.30W

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KCLM 16E EPOCH YEAR 2020

AIRPORTS SERVED:

WILLIAM R FAIRCHILD INTL

PORT ANGELES, WA

COMMUNICATIONS:

NUW DEP CON, SEA FSS, CTAF

FIXES AND/OR NAVAIDS:

YYJ VOR/DME, SEA VORTAC



**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)**

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
WATTR	SIX	WATTR6.WATTR	FIVE	10/25/2007	4 FEBRUARY 2016

REMARKS:

RWY 8, AFS DISAPPROVED APPROVAL REQUEST FOR A CLIMB GRADIENT OF 954 FT PER NM, 300-1 MINS REQUESTED BY FLIGHT CHECK.

FLIGHT INSPECTED BY:

THOMAS E MOLOKIE

FICO

Digitally signed by
LONNIE EVERHART

10/21/2015

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

HERMAN ROGERS

AJV-5433

Oct 26, 2015

09/11/2015

Digitally signed by
HERMAN C ROGERS

Sep 30, 2015

APPROVED BY:

JILL OLSON

AJV-5430

Digitally signed by
LONNIE EVERHART

Oct 26, 2015

COORDINATED WITH:

APA, ALPA, AOPA, NBAA, ARPT MGR, NUW APP CON, SEA FSS, ZEA

CHANGES:

1. UPDATE MAGVAR FROM 22E TO 16E/2020.
2. CHANGED DP ROUTE DESCRIPTION FROM ON BEARING 069 TO WATTR INT TO ON BEARING 075 TO WATTR.
3. CHANGED RWY 13 CLIMB GRADIENT FROM 454 FT PER NM TO 460 FT PER NM.
4. UPDATE TAKEOFF OBSTACLE NOTES AND CONTROLLING OBSTACLES.
5. ADDED OBSTACLES MANDATING ODP ROUTE DEVELOPMENT.
6. ADDED VCOA TO RWY 13 MINIMUMS.

REASONS:

1. PER FPT.
2. MAGVAR UPDATED FROM 22E TO 16E.
- 3/4. NEW SURVEY AND OBSTACLE DATA.
5. IAW 8260.46E, APPENDIX D, PARA 10 (c.).
6. IAW 8260.46E, PARA 2-1-1 b (13).



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
WATTR	SIX	WATTR6 .WATTR	FIVE	10/25/2007	4 FEBRUARY 2016

ARINC SUMMARY - KCLM

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
RW08	010		CA	FB		088.6						AA 00691		
RW08	020	WATTR	CF	FB		075.0	SKA							EE
RW13	010		CA	FB		131.6						AA 00691		
RW13	020	WATTR	CF	FB		075.0	SKA							EE
RW26	010		CA	FB		268.6						AA 00691		
RW26	020	WATTR	CF	FB		075.0	SKA		R					EE
RW31	010		CA	FB		311.6						AA 00691		
RW31	020	WATTR	CF	FB		075.0	SKA		R					EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
SKA (DME)	N473636.43	W1173943.45
WATTR	N480821.35	W1225627.97

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION
RW08	N480715.73	W1233041.46	00284
RW13	N480735.64	W1233017.13	00228
RW26	N480703.33	W1232930.23	00281
RW31	N480708.62	W1232951.47	00271



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

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City, State	Airport	Effective Date	Amdt. No.
CHARLESTON, WV	YEAGER	4 FEBRUARY 2016	9

TAKEOFF MINIMUMS:

RWY 5: 400-2 ¼ OR STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 1400.
RWY 23: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

RWY 23: CLIMB HEADING 233.14 TO 1400 BEFORE TURNING LEFT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5: TREES BEGINNING 3781 FEET FROM DER, 736 FEET LEFT OF CENTERLINE, UP TO 150 FEET AGL/1217 FEET MSL. TREE 5848 FEET FROM DER, 1055 FEET RIGHT OF CENTERLINE, 104 FEET AGL/1062 FEET MSL. TOWER 1.9 NM FROM DER, 2764 FEET LEFT OF CENTERLINE, 184 FEET AGL/1235 FEET MSL.

CONTROLLING OBSTACLES:

RWY 5: 1217 FEET MSL TREE 382417.19N/0813334.87W (CLIMB GRADIENT, CLIMB-TO ALTITUDE), 1235 FEET MSL TOWER 382433.00N/0813342.00W (CEILING, VISIBILITY)
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 23: 1446 FEET MSL TOWER 381921.00/0813631.00W.



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

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City, State	Airport	Effective Date	Amdt. No.
CHARLESTON, WV	YEAGER	4 FEBRUARY 2016	9

REMARKS:

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

Digitally signed by
BOB S PRESSLER **JULIE A MORGAN**^{FICO} 10/27/2015
Nov 04, 2015

ROUTINE

DEVELOPED BY:

ROBERT HAMILTON AJV-5410 09/03/2015

Digitally signed by
ROBERT G HAMILTON
Sep 21, 2015

APPROVED BY:

GEORGE GONZALEZ *Digitally signed by*
JULIE A MORGAN^{AJV-5410}
Nov 04, 2015

COORDINATED WITH: Nov 04, 2015

ALPA, AOPA, NBAA, ATC, AMGR, ATA, ZID

CHANGES:

1. RWY 23 TAKEOFF MINIMUMS CHANGED FROM 300-1 OR STD. W/
MIN. CLIMB OF 399' PER NM TO 1400 TO STANDARD.
2. TAKEOFF OBSTACLE NOTES AND CONTROLLING OBSTACLES UPDATED

REASONS:

1,2. AIRPORT HAS REMOVED A LARGE HILL AND NUMEROUS OBSTACLES OFF THE DEPARTURE END OF RWY 23, THEY ALSO DISPLACED RWY 5 THLD 577 FEET.



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

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 6.93 MILES AFTER LIMNY INT/RIW VOR/DME 7.50 DME OR AT RIW VOR/DME 0.58 DME FIX
RIW VOR/DME	DONVY INT/RIW VOR/DME 14.00 DME	104.72 / 14.00	8600	CLIMB TO 6800 THEN CLIMBING RIGHT TURN TO 7700 DIRECT RIW VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7700. ALTERNATE MA (DO NOT CHART): CLIMB TO 6000 THEN CLIMBING RIGHT TURN TO 9600 ON HEADING 050 AND BOY VOR/DME R-180 TO FETIK/BOY 10.80 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9600. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD W, RT, 101.01 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S FETIK/BOY 10.80 DME, RT, 000.04 INBOUND. CHART VDP AT 1.79 DME* DISTANCE VDP TO THLD 1.21 MILES. *LOC ONLY. CHART RIW R-006 AT FETIK. CHART RIW R-170 AT HONOX. CHART CIRCLING ICON.
BOY VOR/DME	DONVY INT/RIW VOR/DME 14.00 DME	152.85 / 30.28	9700	
FETIK/RIW 14.00 DME CW (IAF)	DONVY INT/RIW VOR/DME 14.00 DME (NO PT)	14.00 DME ARC (RIW LR-096)	8600	
HONOX/RIW 14.00 DME CCW (IAF)	DONVY INT/RIW VOR/DME 14.00 DME (NO PT)	14.00 DME ARC (RIW LR-113)	8600	
DONVY INT/RIW VOR/DME 14.00 DME (IF/IAF)	LIMNY INT/RIW VOR/DME 7.50 DME	284.32 / 6.50 (I-RIW)	7700	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD E DONVY, RT, 284.32 INBOUND, 8600 FT. IN LIEU OF PT (IAF)
3. FAC: 284.32 FAF: LIMNY INT/RIW VOR/DME 7.50 DME DIST FAF TO MAP: 6.93 THLD: 6.93
4. MIN. ALT: DONVY 8600, LIMNY 7700
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 829
6. MIN GS INCPT: 7700 GS ALT AT: LIMNY 7700 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 49.6
8. MSA FROM: RIW VOR/DME 076-166 8700, 166-256 11900, 256-076 9700

MAG VAR: 10E EPOCH YEAR: 2020

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 28	5659	1/2	200	5659	1/2	200	5659	1/2	200	5659	1/2	200			
S-LOC 28	5880	1/2	421	5880	1/2	421	5880	3/4	421	5880	3/4	421			
CIRCLING	6000	1	484	6000	1	484	6000	1 1/2	484	6120	2	604			

NOTES:
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LANDER ALTIMETER SETTING: INCREASE DA TO 5713 FT; INCREASE ALL MDA 60 FT AND S-LOC 28 CAT C AND D VISIBILITY 1/4 MILE.
 CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING LANDER ALTIMETER SETTING, INCREASE S-ILS 28 ALL CATS VISIBILITY TO 7/8 MILE AND S-LOC 28 CAT C AND D VISIBILITY TO 1 3/8 MILE.
 CHART NOTE: VDP NA WHEN USING LANDER ALTIMETER SETTING.



CITY AND STATE RIVERTON, WY	ELEVATION: 5516 TDZE: 5459	FACILITY IDENTIFIER: I-RIW	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 28, AMDT 3, 2/4/2016	SUP:
	AIRPORT NAME: RIVERTON RGNL			AMDT: 2A
				DATED 01/08/2015

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.

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CITY AND STATE RIVERTON, WY	ELEVATION: 5516 TDZE: 5459	FACILITY IDENTIFIER: I-RIW	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 28, AMDT 3, 2/4/2016	SUP:
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

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CITY AND STATE RIVERTON, WY	ELEVATION: 5516	TDZE: 5459	FACILITY IDENTIFIER: I-RIW	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 28, AMDT 3, 2/4/2016	SUP:
	AIRPORT NAME: RIVERTON RGNL				AMDT: 2A
					DATED: 01/08/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KRIW

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
BOY	010	BOY	IF	FB										V
BOY	020	DONVY	TF	FO								AA 09700		EY
BOY	030	DONVY	HF	FO		284.3	RIW		R			AA 08600		EE A
FETIK	010	FETIK	IF	FB			RIW							E A
FETIK	020	DONVY	AF	FB		005.9	RIW		R			AA 08600		EE B
HONOX	010	HONOX	IF	FB			RIW							E A
HONOX	020	DONVY	AF	FB		169.8	RIW		L			AA 08600		EE B
RIW	010	RIW	IF	FB										V
RIW	020	DONVY	TF	FO								AA 08600		EY
RIW	030	DONVY	HF	FO		284.3	RIW		R			AA 08600		EE A
	010	DONVY	IF	FB			IRIW					AA 08600 GI 07700		E I
	020	LIMNY	CF	FB		284.0	IRIW	3.00		RIW		GI 07700 GS 07700		E F
	030	RW28	CF	FO		284.0	IRIW	3.00				AT 05493		GY M
	040		CA	FB		284.3						AA 06800		M
	050	RIW	DF	FO					R			AA 07700		VY
	060	RIW	HM	FO		101.0			R			AA 07700		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BOY	N432747.35	W1081758.96
RIW	N430356.63	W1082719.92
FETIK	N431724.59	W1082203.98
HONOX	N424956.42	W1082716.33
DONVY	N425803.91	W1081000.36
LIMNY	N430045.45	W1081804.02
IRIW (LOC)	N430414.51	W1082833.57

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW28	N430337.06	W1082640.50	05443	49.6



CITY AND STATE RIVERTON, WY	ELEVATION: 5516 TDZE: 5459	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: RIVERTON RGNL	I-RIW	ILS OR LOC RWY 28, AMDT 3, 2/4/2016	AMDT: 2A
				DATED: 01/08/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KRIW

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
BOY	010	BOY	IF	FB										V
BOY	020	DONVY	TF	FO								AA 09700		EY
BOY	030	DONVY	HF	FO		284.3	RIW		R			AA 08600		EE A
FETIK	010	FETIK	IF	FB			RIW							E A
FETIK	020	DONVY	AF	FB		005.9	RIW		R			AA 08600		EE B
HONOX	010	HONOX	IF	FB			RIW							E A
HONOX	020	DONVY	AF	FB		169.8	RIW		L			AA 08600		EE B
RIW	010	RIW	IF	FB										V
RIW	020	DONVY	TF	FO								AA 08600		EY
RIW	030	DONVY	HF	FO		284.3	RIW		R			AA 08600		EE A
	010	DONVY	IF	FB			IRIW					AA 08600		E I
	020	LIMNY	CF	FB		284.0	IRIW			RIW		AA 07700		E F
	030	RW28	CF	FO		284.0	IRIW	3.01				AT 05493		GY M
	040		CA	FB		284.3						AA 06800		M
	050	RIW	DF	FO					R			AA 07700		VY
	060	RIW	HM	FO		101.0			R			AA 07700		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BOY	N432747.35	W1081758.96
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IRIW (LOC)	N430414.51	W1082833.57

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW28	N430337.06	W1082640.50	05443	49.6



CITY AND STATE RIVERTON, WY	ELEVATION: 5516 TDZE: 5459	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: RIVERTON RGNL	I-RIW	ILS OR LOC RWY 28, AMDT 3, 2/4/2016	AMDT: 2A
				DATED: 01/08/2015

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31050](#); Amdt. No. [3672](#)]

**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 removes 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 for the 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. U.S. Department of Transportation, Docket Ops-M30, 1200 New Jersey Avenue SE, West Bldg., Ground Floor, Washington, D.C., 20590-0001;

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

3. The office of Aeronautical Navigation Products, 6500 South MacArthur Blvd., Oklahoma City, OK 73169 or,

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

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

Availability

All SIAPs and Takeoff Minimums and ODPs are available online free of charge. Visit the National Flight Data Center online at nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from the FAA Air Traffic Organization Service Area in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Richard A. Dunham III,
Flight Procedure Standards Branch (AFS-420) Flight Technologies
and Procedures 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 (NFDC)/Permanent Notice to Airmen (P-
NOTAM), and is incorporated by reference under 5 U.S.C.
552(a), 1 CFR part 51, and 14 CFR §97.20. 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 on FAA form documents is unnecessary.

This amendment provides the affected CFR sections, and specifies the SIAPs and Takeoff Minimums and ODPs with their applicable effective dates. This amendment also identifies the airport and its location, the procedure and the amendment number.

Availability and Summary of Material Incorporated by Reference

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

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

The Rule

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

The SIAPs and Takeoff Minimums and ODPs, as modified by FDC permanent 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 and Takeoff Minimums and ODPs, 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 that created the need for these SIAP and Takeoff Minimums and ODP amendments require making them effective in less than 30 days.

Because of the close and immediate relationship between these SIAPs, Takeoff Minimums and ODPs, and safety in air commerce, I find that notice and public procedure under 5 U.S.C. 553(b) are impracticable and contrary to the public interest and, where applicable, under 5 U.S.C. 553(d), good cause exists for making these SIAPs effective in less than 30 days.

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

List of Subjects in 14 CFR part 97:

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

Issued in Washington, DC on [NOVEMBER 20, 2015](#)



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 and Takeoff Minimums and ODPs, 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
7-Jan-16	TX	Houston	William P Hobby	5/0182	11/17/15	VOR/DME RWY 35, Amdt 3
7-Jan-16	TX	Houston	William P Hobby	5/0184	11/17/15	VOR/DME RWY 4, Amdt 18
7-Jan-16	CA	Lakeport	Lampson Field	5/1798	11/03/15	RNAV (GPS)-A, Orig-A
7-Jan-16	CA	Fresno	Fresno Chandler Executive	5/3572	11/02/15	GPS RWY 12, Orig-B
7-Jan-16	CA	Fresno	Fresno Chandler Executive	5/3574	11/02/15	GPS RWY 30, Orig-C
7-Jan-16	FL	Tallahassee	Tallahassee Intl	5/3607	11/02/15	ILS OR LOC/DME RWY 36, Amdt 25B
7-Jan-16	FL	Tallahassee	Tallahassee Intl	5/3620	11/02/15	ILS OR LOC RWY 27, ILS RWY 27 (CAT II), Amdt 10
7-Jan-16	CA	Chino	Chino	5/4191	11/02/15	ILS OR LOC RWY 26R, Amdt 8
7-Jan-16	WA	Everett	Snohomish County (Paine Fld)	5/4281	11/02/15	ILS or LOC/DME Z RWY 16R, ILS Z RWY 16R (SA CAT II), Orig-A
7-Jan-16	AZ	Mesa	Falcon Fld	5/4921	11/02/15	RNAV (GPS) RWY 4R, Amdt 1D
7-Jan-16	SC	Charleston	Charleston Executive	5/6365	11/02/15	ILS OR LOC RWY 9, Amdt 2A
7-Jan-16	MD	Westminster	Clearview Airpark	5/8975	11/17/15	VOR-A, Amdt 4

AIRAC Date: 7 JANUARY 2016

FDC **5/0182** HOU IAP WILLIAM P HOBBY, HOUSTON, TX. VOR/DME RWY 35, AMDT 3... CHANGE MISSED APPROACH INSTRUCTIONS TO READ: CLIMBING RIGHT TURN TO 1700 ON HUB VOR/DME R-040 TO RAYCI/HUB 15 DME AND HOLD. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM MILE NOT AUTHORIZED. THIS IS VOR/DME RWY 35, AMDT 3A. 1511091404-PERM

FDC **5/0184** HOU IAP WILLIAM P HOBBY, HOUSTON, TX. VOR/DME RWY 4, AMDT 18... CHANGE MISSED APPROACH INSTRUCTIONS TO READ: CLIMB TO 1700 ON HUB VOR/DME R-040 TO RAYCI/HUB 15 DME AND HOLD. THIS IS VOR/DME RWY 4, AMDT 18A. 1511091404-PERM

FDC **5/1798** 102 IAP LAMPSON FIELD, LAKEPORT, CA. RNAV (GPS)-A, ORIG-A... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. AIRPORT ELEVATION 1380. CIRCLING CAT A/B HAA 1200. THIS IS RNAV (GPS)-A, ORIG-B. 1510231342-PERM

FDC **5/3572** FCH IAP FRESNO CHANDLER EXECUTIVE, FRESNO, CA. GPS RWY 12, ORIG-B... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BEREN ON V23 NORTHBOUND AND FOR ARRIVALS AT BLEAR ON V230-585 WESTBOUND. TDZE 280. S-12 MDA 820/HAT 540 ALL CATS. THIS IS GPS RWY 12 ORIG-C. 1510271753-PERM

FDC **5/3574** FCH IAP FRESNO CHANDLER EXECUTIVE, FRESNO, CA. GPS RWY 30, ORIG-C... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. TDZE 280. S-30 MDA 900/HAT 620 ALL CATS. THIS IS GPS RWY 30 ORIG-D. 1510271753-PERM

FDC **5/3607** TLH IAP TALLAHASSEE INTL, TALLAHASSEE, FL. ILS OR LOC/DME RWY 36, AMDT 25B... S-ILS 36** DA 262/HAT 200, VISIBILITY RVR 2400 ALL CATS. NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. DELETE NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 36 ALL CATS VISIBILITY TO RVR 5000. DELETE NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE BAINBRIDGE ALTIMETER SETTING AND INCREASE DA 95 FEET AND ALL MDA 100 FEET, INCREASE S-ILS 36 ALL CATS VISIBILITY TO RVR 4500 AND S-LOC 36 CAT C/D VISIBILITY TO RVR 5000. DELETE NOTE: FOR INOPERATIVE MALSR, WHEN USING BAINBRIDGE ALTIMETER SETTING, INCREASE S-ILS 36 ALL CATS AND S-LOC 36 CAT C/D VISIBILITY TO 1 3/8. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BAINBRIDGE ALTIMETER SETTING AND INCREASE ALL DA 95 FEET, AND ALL MDA 100 FEET, INCREASE S-LOC 36 CATS C AND D VISIBILITY TO RVR 5000. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING BAINBRIDGE ALTIMETER SETTING, INCREASE S-ILS 36 VISIBILITY TO RVR 5000. THIS IS ILS OR LOC/DME RWY 36, AMDT 25C. 1510271845-PERM

FDC **5/3620** TLH IAP TALLAHASSEE INTL, TALLAHASSEE, FL. ILS OR LOC RWY 27, AMDT 10... ILS RWY 27 (CAT II), AMDT 10... CHART NOTE: DME REQUIRED. CHART IN PLANVIEW AND PROFILE AT GACED: SZW 12.37 DME. CHANGE MISSED APPROACH TO READ: CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 090 AND ON SZW VORTAC R-140 TO GACED INT/SZW 12.37 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. THIS IS ILS OR LOC RWY 27, AMDT 10A; ILS RWY 27 (CAT II), AMDT 10A. 1510271850-PERM

FDC **5/4191** CNO IAP CHINO, CHINO, CA. ILS OR LOC RWY 26R, AMDT 8... CIRCLING CATS C/D MDA 1240/HAA 590. CHANGE ALTIMETER NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ONTARIO ALTIMETER SETTING AND INCREASE ALL DA 54 FEET AND ALL MDA 60 FEET, INCREASE S-ILS 26R ALL CATS, S-LOC 26R CAT D AND CIRCLING CAT C VISIBILITY 1/4 MILE. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS ILS OR LOC RWY 26R, AMDT 8A. 1510281537-PERM

FDC **5/4281** PAE IAP SNOHOMISH COUNTY (PAINE FLD), EVERETT, WA. ILS OR LOC/DME Z RWY 16R, ORIG-A; ILS Z RWY 16R (SA CAT II), ORIG-A ... SA CATEGORY II ILS VIS RVR 1200 ALL CATS. THIS IS ILS Z OR LOC/DME Z RWY 16R, ORIG-B; ILS Z RWY 16R (SA CAT II), ORIG-B. 1510281701-PERM

FDC **5/4921** FFZ IAP FALCON FLD, MESA, AZ. RNAV (GPS) RWY 4R, AMDT 1D... DELETE NOTE: CIRCLING TO RWY 22R NA AT NIGHT. DELETE NOTE: WHEN RWY 4L VGS I INOP, CIRCLING RWY 4L NA AT NIGHT. THIS IS RNAV (GPS) RWY 4R, AMDT 1E. 1510291526-PERM

FDC **5/6365** JZI IAP CHARLESTON EXECUTIVE, CHARLESTON, SC. ILS OR LOC RWY 9, AMDT 2A... S-ILS 9 DA 275/HAT 256 ALL CATS. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS ILS OR LOC RWY 9, AMDT 2B. 1508201902-PERM

FDC **5/8975** 2W2 IAP CLEARVIEW AIRPARK, WESTMINSTER, MD. VOR-A, AMDT 4... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR-A, AMDT 4A. 1510191935-PERM