

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 15-25

October 23, 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.**

**The following is a corrected copy of a procedure previously published in TL 15-23 on
September 25, 2015.**

Toccoa, GA, Toccoa RG Letourneau Field, RNAV (GPS) RWY 21, Amdt 2

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.						
TERMINAL ROUTES														MISSED APPROACH						
FROM				TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW21							
DAYEL (IAF)				EBANE (NOPT) (FB)			116.86 / 7.24				6400		CLIMB TO 5800 DIRECT ZIGIP AND ON TRACK 294.53 TO TALLE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5800.							
CALOK (IAF)				EBANE (NOPT) (FB)			297.01 / 6.61				6400									
EBANE (IF/IAF)				WASTO (FB)			206.94 / 6.25				5400									
WASTO				JAPON (FB)			206.91 / 5.63				3700									
JAPON				GAGEY (FB)			206.89 / 3.00				3100									
GAGEY (FAF)				NARIE/2.90 NM TO RW21 (FB)			206.88 / 3.69						ADDITIONAL FLIGHT DATA: HOLD NW, RT, 114.33 INBOUND. CHART FAS OBST: 1079 TREE 343639N/0831703W 1980 AAO 344200N/0831549W. DISTANCE TO THLD FROM 262 HAT: 0.72 NM. CHART VDP AT 1.75 MILES TO RW21* *LNAV ONLY. WAAS CHANNEL # 61005 REFERENCE PATH ID: W21A CHART CIRCLING ICON LTP HAE: 264.8 M							
(SEE FORM 8260-10)																				
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 15-23																				
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)																				
2. HOLD NE EBANE, LT, 206.94 INBOUND, 6400 FT. IN LIEU OF PT (IAF)																				
3. FAC: 206.88 FAF: GAGEY DIST FAF TO MAP: 6.59 THLD: 6.59																				
4. MIN. ALT: EBANE 6400, WASTO 5400, JAPON 3700, GAGEY 3100, NARIE/2.90 NM TO RW21 1920*																				
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:																				
6. MIN GS INCPT: 3100 GS ALT AT: GAGEY 3100, GAGEY OM: MM: IM:																				
7. GS ANGLE: 3.00 TCH: 32.7 34:1 IS NOT CLEAR																				
8. MSA FROM: RW21 6800																				
MAG VAR: 6W EPOCH YEAR: 2015																				
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A X		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	1230	1	250	1230	1	250	1230	1	250	1230	1	250								
LNAV/VNAV DA	1395	1 1/2	415	1395	1 1/2	415	1395	1 1/2	415	1395	1 1/2	415								
LNAV MDA	1560	1	580	1560	1	580	1560	1 5/8	580	1560	1 5/8	580								
CIRCLING																				
	1720	1	724	1720	1	724	1760	2 1/4	764	2480	3	1484								
NOTES: CHART NOTE: BARO-VNAV AND VDP NA WHEN USING GAINESVILLE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8C (18F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DAYEL ON V222 NORTHEAST BOUND. (SEE FORM 8260-10)																				
CITY AND STATE TOCCOA, GA				ELEVATION: 996 TDZE: 980 AIRPORT NAME: TOCCOA RG LETOURNEAU FIELD				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 2 10 DECEMBER 2015				SUP: RNAV (GPS) RWY 21 AMDT: 1B DATED 09/18/2014						

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																										
RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33																													
TERMINAL ROUTES, (CONT.):																													
<table><thead><tr><th>FROM</th><th>TO</th><th>COURSE AND DISTANCE</th><th colspan="2">ALTITUDE</th></tr></thead><tbody><tr><td>NARIE/2.90 NM TO RW21</td><td>RW21 (MAP) (FO)</td><td>206.88 / 2.90</td><td colspan="2"></td></tr><tr><td>RW21 (MAP)</td><td>1230 MSL</td><td>206.88</td><td colspan="2"></td></tr><tr><td>1230 MSL</td><td>ZIGIP (FB)</td><td></td><td colspan="2"></td></tr><tr><td>ZIGIP</td><td>TALLE (FO)</td><td>294.53 / 18.53</td><td colspan="2">5800</td></tr></tbody></table>					FROM	TO	COURSE AND DISTANCE	ALTITUDE		NARIE/2.90 NM TO RW21	RW21 (MAP) (FO)	206.88 / 2.90			RW21 (MAP)	1230 MSL	206.88			1230 MSL	ZIGIP (FB)				ZIGIP	TALLE (FO)	294.53 / 18.53	5800	
FROM	TO	COURSE AND DISTANCE	ALTITUDE																										
NARIE/2.90 NM TO RW21	RW21 (MAP) (FO)	206.88 / 2.90																											
RW21 (MAP)	1230 MSL	206.88																											
1230 MSL	ZIGIP (FB)																												
ZIGIP	TALLE (FO)	294.53 / 18.53	5800																										
NOTES, (CONT.): CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CALOK ON V54 WESTBOUND. *LNAV ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE GAINESVILLE ALTIMETER SETTING AND INCREASE LPV DA TO 1345 FEET, LNAV/VNAV DA TO 1510 FEET , AND ALL MDA 120 FEET, INCREASE LPV AND LNAV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE. INCREASE CIRCLING CATS A/B/C VISIBILITY 1/4 MILE.																													
QUALITY 4 REC'D																													
CITY AND STATE TOCCOA, GA	ELEVATION: 996 AIRPORT NAME: TOCCOA RG LETOURNEAU FIELD	TDZE: 980	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 2 10 DECEMBER 2015																									
				SUP: RNAV (GPS) RWY 20																									
				AMDT: 1B																									
				DATED: 09/18/2014																									

**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	KTOC
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	343551.8205N
LTP/FTP LONGITUDE	0831742.2255W
LTP/FTP ELLIPSOIDAL HEIGHT	+02648
FPAP LATITUDE	343428.4140N
FPAP LONGITUDE	0831820.6295W
THRESHOLD CROSSING HEIGHT (TCH)	00032.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 7586655B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02951
FPAP ORTHOMETRIC HEIGHT	+02951

QUALITY
4
CHECKED

CITY AND STATE TOCCOA, GA	ELEVATION: 996 TDZE: 980 AIRPORT NAME: TOCCOA RG LETOURNEAU FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 2 10 DECEMBER 2015	SUP: RNAV (GPS) RWY 20
				AMDT: 1B
				DATED: 09/18/2014

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 - KTOC

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
CALOK	010	CALOK	IF	FB										E A
CALOK	020	EBANE	TF	FB	1.0	297.0						AA 06400		EE B
DAYEL	010	DAYEL	IF	FB										E A
DAYEL	020	EBANE	TF	FB	1.0	116.9						AA 06400		EE B
EBANE	010	EBANE	HF	FO		206.9			L			AA 06400		EE A
	010	EBANE	IF	FB								AA 06400		E I
	011	WASTO	TF	FB	0.5	206.9						AA 05400		E
	012	JAPON	TF	FB	0.5	206.9						AA 03700		E
	020	GAGEY	TF	FB	0.5	206.9				RW21		AA 03100		E F
	021	NARIE	TF	FB	0.3	206.9		3.00				AA 01920 GS 01932		E S
	030	RW21	TF	FO	0.3	206.9		3.00				AT 01001		GY M
	040		CA	FB		206.9						AA 01242		M
	050	ZIGIP	DF	FB										E
	060	TALLE	TF	FO	1.0	294.5						AA 05800		EY
	070	TALLE	HM	FO		114.3			R			AA 05800		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CALOK	N345335.17	W0830054.50
DAYEL	N345832.45	W0831638.04
EBANE	N345557.30	W0830824.58
GAGEY	N344201.96	W0831451.52
JAPON	N344450.41	W0831333.67
NARIE	N343834.69	W0831627.17
TALLE	N343748.05	W0834048.64
WASTO	N345006.46	W0831107.38
ZIGIP	N343155.96	W0831930.94

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW21	N343551.82	W0831742.23	00968	33

CITY AND STATE TOCCOA, GA	ELEVATION: 996 TDZE: 980 AIRPORT NAME: TOCCOA RG LETOURNEAU FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 2 10 DECEMBER 2015	SUP: RNAV (GPS) RWY 20
				AMDT: 1B
				DATED: 09/18/2014

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31044](#); Amdt. No. [3667](#)]

**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 [OCTOBER 23, 2015](#)

A handwritten signature in black ink, appearing to read "John Duncan", with a long, sweeping horizontal line extending to the right.

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 10 DECEMBER 2015

Atqasuk, AK, Atqasuk Edward Burnell Sr Memorial, NDB RWY 24, Amdt 2A, CANCELED
 Cold Bay, AK, Cold Bay, VOR/DME OR TACAN-A, Amdt 4, CANCELED
 Fairbanks, AK, Fairbanks Intl, ILS OR LOC RWY 2L, ILS RWY 2L (SA CAT I), ILS RWY 2L (CAT II), ILS RWY 2L (CAT III), Amdt 10
 Fairbanks, AK, Fairbanks Intl, RNAV (GPS) RWY 2R, Amdt 1
 Fairbanks, AK, Fairbanks Intl, RNAV (GPS) RWY 20L, Amdt 1
 Fairbanks, AK, Fairbanks Intl, RNAV (GPS) Y RWY 2L, Amdt 1
 Fairbanks, AK, Fairbanks Intl, RNAV (GPS) Y RWY 20R, Amdt 1A
 Fairbanks, AK, Fairbanks Intl, Takeoff Minimums and Obstacle DP, Amdt 6
 Koyuk, AK, Koyuk Alfred Adams, NDB/DME RWY 1, Amdt 1B, CANCELED
 Los Angeles, CA, Los Angeles Intl, RNAV (GPS) Y RWY 7L, Amdt 2D
 Los Angeles, CA, Los Angeles Intl, RNAV (GPS) Y RWY 24L, Amdt 3
 South Lake Tahoe, CA, Lake Tahoe, VOR/DME OR GPS-A, Amdt 3C, CANCELED
 Boise, ID, Boise Air Terminal/Gowen Fld, LOC BC RWY 28L, Amdt 1A, CANCELED
 Boise, ID, Boise Air Terminal/Gowen Fld, RNAV (GPS) Y RWY 10L, Amdt 3
 Boise, ID, Boise Air Terminal/Gowen Fld, RNAV (GPS) Y RWY 10R, Amdt 2
 Boise, ID, Boise Air Terminal/Gowen Fld, RNAV (GPS) Y RWY 28L, Amdt 5
 Boise, ID, Boise Air Terminal/Gowen Fld, RNAV (GPS) Y RWY 28R, Amdt 6
 Chicago/West Chicago, IL, DuPage, VOR RWY 10, Amdt 12C, CANCELED
 Elkhart, IN, Elkhart Muni, VOR RWY 27, Amdt 15A, CANCELED
 Elkhart, IN, Elkhart Muni, VOR/DME RWY 36, Amdt 4A, CANCELED
 Gary, IN, Gary/Chicago Intl, RNAV (GPS) RWY 2, Orig
 Gary, IN, Gary/Chicago Intl, VOR/DME OR GPS RWY 2, Amdt 7, CANCELED
 Wabash, IN, Wabash Muni, Takeoff Minimums and Obstacle DP, Orig
 Wabash, IN, Wabash Muni, VOR-A, Amdt 11
 Portland, ME, Portland Intl Jetport, ILS OR LOC RWY 11, ILS RWY 11 (SA CAT I), ILS RWY 11 (CAT II), ILS RWY 11 (CAT III), Amdt 4
 Portland, ME, Portland Intl Jetport, RNAV (GPS) RWY 11, Amdt 4
 Portland, ME, Portland Intl Jetport, RNAV (GPS) RWY 18, Amdt 2
 Portland, ME, Portland Intl Jetport, RNAV (GPS) RWY 29, Amdt 3
 Portland, ME, Portland Intl Jetport, Takeoff Minimums and Obstacle DP, Amdt 7
 Baudette, MN, Baudette Intl, VOR RWY 30, Amdt 10, CANCELED
 Thief River Falls, MN, Thief River Falls Rgnl, NDB RWY 31, Amdt 2A, CANCELED
 Poplarville, MS, Poplarville-Pearl River County, RNAV (GPS)-A, Orig
 Poplarville, MS, Poplarville-Pearl River County, RNAV (GPS)-B, Orig
 Poplarville, MS, Poplarville-Pearl River County, Takeoff Minimums and Obstacle DP, Orig
 Asheville, NC, Asheville Rgnl, RADAR-1, Amdt 5A, CANCELED
 Asheville, NC, Asheville Rgnl, Takeoff Minimums and Obstacle DP, Orig
 Asheville, NC, Asheville Rgnl, Takeoff Minimums and Obstacle DP, Amdt 9, CANCELED
 New Bern, NC, Coastal Carolina Regional, ILS OR LOC RWY 4, Amdt 1
 New Bern, NC, Coastal Carolina Regional, RNAV (GPS) RWY 4, Amdt 1

Wilmington, NC, Wilmington Intl, TACAN-A, Amdt 1
Jamestown, ND, Jamestown Rgnl, NDB RWY 31, Amdt 6C, CANCELED
Charleston, SC, Charleston Executive, RNAV (GPS) RWY 27, Amdt 2B
Aberdeen, SD, Aberdeen Rgnl, NDB RWY 31, Amdt 10A, CANCELED
Dyersburg, TN, Dyersburg Rgnl, VOR/DME RWY 4, Amdt 4, CANCELED
Richfield, UT, Richfield Muni, RNAV (GPS) RWY 19, Amdt 1A
Roanoke, VA, Roanoke-Blacksburg Rgnl/Woodrum Field, Takeoff Minimums and Obstacle DP, Amdt 11

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HATh, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE											
										ADDITIONAL FLIGHT DATA:									
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)																			
2. _____																			
3. FAC ____ FAF _____ DIST FAF TO MAP ____ THLD ____																			
4. MIN. ALT _____																			
8. MSA FROM: _____										MAG VAR: _____ EPOCH YEAR: _____									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 10 DECEMBER 2015																			
CITY AND STATE COLD BAY, AK				ELEVATION: 101 AIRPORT NAME: COLD BAY				TDZE:		FACILITY IDENTIFIER: CDB		PROCEDURE NO./AMD T NO./EFFECTIVE DATE: VOR/DME OR TACAN-A, AMD T 4 1/10/13				SUP AMD T 3 DATE 03/15/2007			



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.				
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION								
TERMINAL ROUTES				MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.05 MILES AFTER CACHE INT/I-CNA 7.02 DME OR AT I-CNA 1.98 DME FIX CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 170 AND FAI VORTAC R-107 TO KRNL/FAI 13.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000, OR AS DIRECTED BY ATC. ALTERNATE MA: (DO NOT CHART) CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO (SEE FORM 8260-10) ADDITIONAL FLIGHT DATA: HOLD E, RT, 286.67 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E CUN NDB, LT, 247.97 INBOUND. CHART FAS OBST: 535 TREE 644735N/1475418W CHART (CFNRQ) AT INTERSECTION OF GLOWS DR LEG AND INTERMEDIATE COURSE. CHART IN PLANVIEW: CUN NDB. CHART MAXIMUM 6000 AT CACHE CHART 3000 PRIOR TO CACHE IN PROFILE. CHART CIRCLING ICON.				
FAI VORTAC	CACHE INT/I-CNA 7.02 DME	155.82 / 3.73	3200					
CUN NDB	CACHE INT/I-CNA 7.02 DME	224.39 / 14.40	3800					
GLOWS INT (IAF)	CILAX/I-CNA 17.28 DME (NOPT)	325.00 / 7.27 (HDG) & 020.05 / 3.85 (I-CNA)	2600					
CILAX/I-CNA 17.28 DME (IF)	CACHE INT/I-CNA 7.02 DME	020.05 / 10.25 (I-CNA)	2100					
1. PT <u> L </u> SIDE OF COURSE <u>200.05</u> OUTBOUND <u>2600</u> FT WITHIN <u>15</u> MILES OF <u>CACHE</u> (IAF) 2. _____ 3. FAC: <u>020.05</u> FAF: <u>CACHE INT/I-CNA 7.02 DME</u> DIST FAF TO MAP: <u>5.05</u> THLD: <u>5.05</u> 4. MIN. ALT: <u>CACHE 2100, WOBEM INT/I-CNA 3.28 DME 900*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u>985</u> 150 HAT: <u>1850</u> 100 HAT: <u>897</u> GS ANT: <u>1050</u> 6. MIN GS INCPT: <u>2100</u> GS ALT AT: <u>CACHE 2100</u> OM: <u> </u> MM: <u> </u> IM: <u>583</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.9</u> 8. MSA FROM: <u>FAI VORTAC 4500</u>				MAG VAR: 18E 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	
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 02L	639	1800	200	639	1800	200	639	1800
S-LOC 02L	900	2400	461	900	2400	461	900	5000
CIRCLING	900	1	461	900	1	461	900	1 1/2
WOBEM FIX MINIMUMS (DUAL VOR RECEIVER OR DME REQUIRED)								
S-LOC 02L	800	2400	361	800	2400	361	800	3500
CIRCLING	880	1	441	900	1	461	900	1 1/2
NOTES: SA CATEGORY I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 2L: CAT A, B, C, D, RA 139, RVR 1400, HAT 150, DA 589 MSL. CATEGORY II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 2L: CAT A, B, C, D, RA 104, RVR 1200, HAT 100, DA 539 MSL. (SEE FORM 8260-10)								
CITY AND STATE		ELEVATION: 439 TDZE: 439		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:
FAIRBANKS, AK		AIRPORT NAME:		I-CNA		ILS OR LOC RWY 2L, AMDT 10 12/10/2015		AMDT: 9A
		FAIRBANKS INTL				ILS RWY 2L (SA CAT I)		DATED 11/13/2014
						ILS RWY 2L (CAT II), ILS RWY 2L (CAT III)		



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.	
MISSED APPROACH INSTRUCTIONS, (CONT.): 4000 DIRECT CUN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. (ADF REQUIRED).				
NOTES, (CONT.): <u>CATEGORY III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED.</u> S-ILS- 2L: CAT III CAT A,B,C,D, RVR 600. CHART NOTE: CIRCLING NA W OF RWY 2L-20R. CHART NOTE: DME REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI Angle {angle} TCH {feet}).				
*LOC ONLY SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH. CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE S-ILS 2L CAT E VISIBILITY TO RVR 4000 AND S-LOC 2L CAT C/D/E VISIBILITY TO 1 3/8 MILE. CAT II CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN. CHART NOTE: FOR INOPERATIVE ALSF-2 WHEN USING WOBEM FIX MINIMUMS, INCREASE S-LOC 2L VISIBILITY CAT C/D/E TO RVR 5500.				
QUALITY 16 CHECKED				
CITY AND STATE FAIRBANKS, AK	ELEVATION: 439 AIRPORT NAME: FAIRBANKS INTL	TDZE: 439	FACILITY IDENTIFIER: I-CNA	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 2L, AMDT 10 12/10/2015 ILS RWY 2L (SA CAT I) ILS RWY 2L (CAT II) , ILS RWY 2L (CAT III)
SUP:				AMDT: 9A
DATED: 11/13/2014				

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 - PAFA

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
CUN	010	CUN	IF	FB										N
CUN	020	CACHE	TF	FB								BT 0600003800		E
CUN	030	CACHE	PI	FB		155.1	ICNA		R			AA 02600		EE A
FAI	010	FAI	IF	FB										V
FAI	020	CACHE	TF	FB								BT 0600003200		E
FAI	030	CACHE	PI	FB		155.1	ICNA		R			AA 02600		EE A
GLOWS	010	GLOWS	IF	FB										E A
GLOWS	020	CFNRQ	TF	FB								AA 02600		E
GLOWS	030	CILAX	CF	FB		020.1	ICNA					AA 02600		EE B
	010	CILAX	IF	FB			ICNA					AA 02600 GI 02100		E I
	020	CACHE	CF	FB		020.0	ICNA	3.00		FAI		GI 02100 GS 02100		E F
	030	RW02L	CF	FO		020.0	ICNA	3.00				AT 00492		GY M
	040		CA	FB		020.1						AA 00900		M
	050		VI	FB		170.0			R					
	060	KRNKL	CF	FO		106.7	FAI					AA 05000		EY
	070	KRNKL	HM	FO		286.7			R			AA 05000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FAI	N644800.25	W1480043.11
ICNA (DME)	N644950.74	W1475015.02
CUN	N645018.90	W1472942.28
GLOWS	N642615.88	W1481517.88
KRNKL	N644003.22	W1473646.66
CACHE	N644417.33	W1480014.08
CFNRQ	N643310.78	W1482018.51
CILAX	N643612.98	W1481451.67
ICNA (LOC)	N644949.84	W1475004.69

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW02L	N644815.29	W1475258.51	00436	55.9

QUALITY
15
CHECKED

CITY AND STATE FAIRBANKS, AK	ELEVATION: 439	TDZE: 439	FACILITY IDENTIFIER: I-CNA	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 2L, AMDT 10 12/10/2015	SUP:
	AIRPORT NAME: FAIRBANKS INTL			ILS RWY 2L (SA CAT I)	AMDT: 9A
				ILS RWY 2L (CAT II), ILS RWY 2L (CAT III)	DATED: 11/13/2014

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 - PAFA

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
CUN	010	CUN	IF	FB										N
CUN	020	CACHE	TF	FB								BT 0600003800		E
CUN	030	CACHE	PI	FB		155.1	ICNA		R			AA 02600		EE A
FAI	010	FAI	IF	FB										V
FAI	020	CACHE	TF	FB								BT 0600003200		E
FAI	030	CACHE	PI	FB		155.1	ICNA		R			AA 02600		EE A
GLOWS	010	GLOWS	IF	FB										E A
GLOWS	020	CFNRQ	TF	FB								AA 02600		E
GLOWS	030	CILAX	CF	FB		020.1	ICNA					AA 02600		EE B
	010	CILAX	IF	FB			ICNA					AA 02600		E I
	020	CACHE	CF	FB		020.0	ICNA			FAI		AA 02100		E F
	021	WOBEM	CF	FB		020.0	ICNA	3.01				AA 00900		E S
	030	RW02L	CF	FO		020.0	ICNA	3.01				AT 00492		GY M
	040		CA	FB		020.1						AA 00900		M
	050		VI	FB		170.0			R					
	060	KRNKL	CF	FO		106.7	FAI					AA 05000		EY
	070	KRNKL	HM	FO		286.7			R			AA 05000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FAI	N644800.25	W1480043.11
ICNA (DME)	N644950.74	W1475015.02
CUN	N645018.90	W1472942.28
GLOWS	N642615.88	W1481517.88
KRNKL	N644003.22	W1473646.66
CACHE	N644417.33	W1480014.08
CFNRQ	N643310.78	W1482018.51
CILAX	N643612.98	W1481451.67
WOBEM	N644713.97	W1475450.59
ICNA (LOC)	N644949.84	W1475004.69

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
--------	-----------------------	------------------------	------------------------	------------------

QUALITY
15
CHECKED

CITY AND STATE FAIRBANKS, AK	ELEVATION: 439	TDZE: 439	FACILITY IDENTIFIER: I-CNA	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 2L, AMDT 10 12/10/2015	SUP:
	AIRPORT NAME: FAIRBANKS INTL			ILS RWY 2L (SA CAT I)	AMDT: 9A
				ILS RWY 2L (CAT II), ILS RWY 2L (CAT III)	DATED: 11/13/2014

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.
---	--

RW02L	N644815.29	W1475258.51	00436	55.9
-------	------------	-------------	-------	------



CITY AND STATE FAIRBANKS, AK	ELEVATION: 439 TDZE: 439	FACILITY IDENTIFIER: I-CNA	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 2L, AMDT 10 12/10/2015 ILS RWY 2L (SA CAT I) ILS RWY 2L (CAT II), ILS RWY 2L (CAT III)	SUP:
	AIRPORT NAME: FAIRBANKS INTL			AMDT: 9A
				DATED: 11/13/2014

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: RW02R CLIMB TO 4900 DIRECT FALUX AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4900. ADDITIONAL FLIGHT DATA: HOLD N, RT, 200.46 INBOUND. CHART FAS OBST: 535 TREE 644702N/1475236W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.02 MILES TO RW02R* *LNAV ONLY. WAAS CHANNEL # 53612 REFERENCE PATH ID: W02A CHART: R-2211 CHART: EIELSON MOA CHART CIRCLING ICON LTP HAE: 141.5 M					
GGOAT (IAF)		DOUGE (NOPT) (FB)			089.52 / 8.00				3700							
EELLK (IAF)		DOUGE (NOPT) (FB)			309.94 / 8.00				3700							
DOUGE (IF/IAF)		EBTOC (FB)			019.79 / 6.89				2100							
EBTOC (FAF)		TUXTY/1.60 NM TO RW02R (FB)			019.94 / 3.51											
TUXTY/1.60 NM TO RW02R		RW02R (MAP) (FO)			019.94 / 1.60						MAG VAR: 18E EPOCH YEAR: 2020					
RW02R (MAP)		683 MSL			019.94											
683 MSL		FALUX (FO)														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S DOUGE, RT, 019.79 INBOUND, 3700 FT. IN LIEU OF PT (IAF) 3. FAC: 019.94 FAF: EBTOC DIST FAF TO MAP: 5.11 THLD: 5.11 4. MIN. ALT: DOUGE 3700, EBTOC 2100, TUXTY/1.60 NM TO RW02R 980* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2100 GS ALT AT: EBTOC 2100 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: _____																
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	683	7/8	250	683	7/8	250	683	7/8	250	683	7/8	250				
LNAV/VNAV DA	731	1	298	731	1	298	731	1	298	731	1	298				
LNAV MDA	800	1	367	800	1	367	800	1	367	800	1	367				
CIRCLING	880	1	441	900	1	461	900	1 1/2	461	1020	2	581				
NOTES: CHART NOTE: CIRCLING NA W OF RWY 2L-20R. CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. (SEE FORM 8260-10)																
CITY AND STATE FAIRBANKS, AK				ELEVATION: 439 TDZE: 433 AIRPORT NAME: FAIRBANKS INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2R, AMDT 1 10 DECEMBER 2015				SUP: AMDT: ORIG-B DATED 09/18/2014		



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

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

NOTES, (CONT.):

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F).

TAA	FROM	TO	ALT
1.	310/30 CW 090/30 (NOPT)	310/15 CW 090/15	5400
	310/15 CW 090/15	DOUGE (IF/IAF) (FB)	3700
2.	090/30 CW 200/30	GGOAT (IAF) (FB)	5200
3.	200/30 CW 310/30	EELLK (IAF) (FB)	5800

QUALITY
16
CHECKED

CITY AND STATE FAIRBANKS, AK	ELEVATION: 439	TDZE: 433	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2R, AMDT 1 10 DECEMBER 2015	SUP:
	AIRPORT NAME:				AMDT: ORIG-B
	FAIRBANKS INTL				DATED: 09/18/2014

**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	PAFA
RUNWAY	RW02R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	644800.8635N
LTP/FTP LONGITUDE	1475232.2370W
LTP/FTP ELLIPSOIDAL HEIGHT	+01415
FPAP LATITUDE	644910.7800N
FPAP LONGITUDE	1475023.7500W
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	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 5E32B5AE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+01320
FPAP ORTHOMETRIC HEIGHT	+01320

QUALITY
16
CHECKED

CITY AND STATE FAIRBANKS, AK	ELEVATION: 439 TDZE: 433 AIRPORT NAME: FAIRBANKS INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2R, AMDT 1 10 DECEMBER 2015	SUP:
				AMDT: ORIG-B
				DATED: 09/18/2014

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 - PAFA

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
DOUGE	010	DOUGE	HF	FO		019.8			R			AA 03700		EE A
EELLK	010	EELLK	IF	FB										E A
EELLK	020	DOUGE	TF	FB	1.0	309.9						AA 03700		EE B
GGOAT	010	GGOAT	IF	FB										E A
GGOAT	020	DOUGE	TF	FB	1.0	089.5						AA 03700		EE B
	010	DOUGE	IF	FB								AA 03700		E I
	020	EBTOC	TF	FB	0.5	019.8						AA 02100		E F
	021	TUXTY	TF	FB	0.3	019.9		3.00				AA 00980 GS 00983		E S
	030	RW02R	TF	FO	0.3	019.9		3.00				AT 00473		GY M
	040		CA	FB		019.9						AA 00683		M
	050	FALUX	DF	FO								AA 04900		EY
	060	FALUX	HM	FO		200.5			R			AA 04900		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
DOUGE	N643834.75	W1480943.78
EBTOC	N644400.12	W1475952.83
EELLK	N643149.63	W1475951.51
FALUX	N650215.50	W1472604.42
GGOAT	N644059.86	W1482727.76
TUXTY	N644645.50	W1475450.47

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW02R	N644800.86	W1475232.24	00433	40



CITY AND STATE FAIRBANKS, AK	ELEVATION: 439 TDZE: 433	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 2R, AMDT 1 10 DECEMBER 2015	SUP:
	AIRPORT NAME: FAIRBANKS INTL			AMDT: ORIG-B
				DATED: 09/18/2014

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: RW20L CLIMB TO 3700 DIRECT DOUGE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3700. ADDITIONAL FLIGHT DATA: HOLD S, RT, 019.79 INBOUND. CHART FAS OBST: 627 TOWER 645147N/1474515W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.27 MILES TO RW20L* *LNAV ONLY. WAAS CHANNEL # 93812 REFERENCE PATH ID: W20A CHART: R-2205 CHART: YUKON MOA CHART CIRCLING ICON. LTP HAE: 141.5 M							
WNMAG (IAF)		FALUX (NOPT) (FB)		270.73 / 8.00			4900									
MOOSS (IAF)		FALUX (NOPT) (FB)		130.31 / 8.00			4900									
FALUX (IF/IAF)		CIPKI (FB)		200.46 / 4.48			4500									
CIPKI		DONSY (FB)		200.36 / 3.46			3400									
DONSY (FAF)		MSKEG/5.30 NM TO RW20L (FB)		200.28 / 3.89												
MSKEG/5.30 NM TO RW20L (SEE FORM 8260-10)		RW20L (MAP) (FO)		200.28 / 5.30												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N FALUX, RT, 200.46 INBOUND, 4900 FT. IN LIEU OF PT (IAF) 3. FAC: 200.28 FAF: DONSY DIST FAF TO MAP: 9.19 THLD: 9.19 4. MIN. ALT: FALUX 4900, CIPKI 4500, DONSY 3400, MSKEG/5.30 NM TO RW20L 2160* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3400 GS ALT AT: DONSY 3400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 41.0 34:1 IS NOT CLEAR 8. MSA FROM: _____											MAG VAR: 18E		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	684	7/8	250	684	7/8	250	684	7/8	250	684	7/8	250				
LNAV/VNAV DA	702	7/8	268	702	7/8	268	702	7/8	268	702	7/8	268				
LNAV MDA	880	1	446	880	1	446	880	1 3/8	446	880	1 3/8	446				
CIRCLING	880	1	441	900	1	461	900	1 1/2	461	1020	2	581				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING NA W OF RWY 2L-20R. (SEE FORM 8260-10)																
CITY AND STATE FAIRBANKS, AK		ELEVATION: 439 TDZE: 434 AIRPORT NAME: FAIRBANKS INTL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20L, AMDT 1 10 DECEMBER 2015					SUP: AMDT: ORIG-B DATED 05/02/2013				



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

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

TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
RW20L (MAP)	684 MSL	200.28	
684 MSL	DOUGE (FO)		3700

NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

*LNAV ONLY

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	130/30 CW 271/30 (NOPT)	130/10 CW 271/10	7200
	130/10 CW 271/10	FALUX (IF/IAF) (FB)	4900
2.	271/30 CW 020/30	WNMAG (IAF) (FB)	5600
3.	020/30 CW 130/30	MOOSS (IAF) (FB)	5400

QUALITY
16
CHECKED

CITY AND STATE

FAIRBANKS, AK

ELEVATION: 439

TDZE: 434

AIRPORT NAME:

FAIRBANKS INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20L, AMDT 1

10 DECEMBER 2015

SUP:

AMDT: ORIG-B

DATED: 05/02/2013

**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	PAFA
RUNWAY	RW20L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	644851.2385N
LTP/FTP LONGITUDE	1475059.6665W
LTP/FTP ELLIPSOIDAL HEIGHT	+01415
FPAP LATITUDE	644741.3210N
FPAP LONGITUDE	1475308.1220W
THRESHOLD CROSSING HEIGHT (TCH)	00041.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

<u>CRC REMAINDER</u>	2D45C159
----------------------	----------

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+01320
FPAP ORTHOMETRIC HEIGHT	+01320

QUALITY
16
CHECKED

CITY AND STATE

FAIRBANKS, AK

ELEVATION: 439

TDZE: 434

AIRPORT NAME:

FAIRBANKS INTL

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20L, AMDT 1

10 DECEMBER 2015

SUP:

AMDT: ORIG-B

DATED: 05/02/2013

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE														
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33														
ARINC SUMMARY - PAFA														
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
FALUX	010	FALUX	HF	FO		200.5			R			AA 04900		EE A
MOOSS	010	MOOSS	IF	FB										E A
MOOSS	020	FALUX	TF	FB	1.0	130.3						AA 04900		EE B
WNMAG	010	WNMAG	IF	FB										E A
WNMAG	020	FALUX	TF	FB	1.0	270.7						AA 04900		EE B
	010	FALUX	IF	FB								AA 04900		E I
	011	CIPKI	TF	FB	0.5	200.5						AA 04500		E
	020	DONSY	TF	FB	0.5	200.4						AA 03400		E F
	021	MSKEG	TF	FB	0.3	200.3		3.00				AA 02160 GS 02174		E S
	030	RW20L	TF	FO	0.3	200.3		3.00				AT 00474		GY M
	040		CA	FB		200.3						AA 00684		M
	050	DOUGE	DF	FO								AA 03700		EY
	060	DOUGE	HM	FO		019.8			R			AA 03700		EE
POINTS														
POINT NAME					LATITUDE					LONGITUDE				
CIPKI					N645845.56					W1473237.89				
DONSY					N645603.12					W1473740.80				
DOUGE					N643834.75					W1480943.78				
FALUX					N650215.50					W1472604.42				
MOOSS					N650902.89					W1473559.20				
MSKEG					N645300.52					W1474319.69				
WNMAG					N645942.95					W1470812.16				
RUNWAYS														
RUNWAY					THRESHOLD LATITUDE					THRESHOLD LONGITUDE				
RW20L					N644851.24					W1475059.67				
									THRESHOLD ELEVATION					
									00433					
									PROCEDURE TCH					
									41					



CITY AND STATE FAIRBANKS, AK	ELEVATION: 439	TDZE: 434	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: FAIRBANKS INTL		RNAV	RNAV (GPS) RWY 20L, AMDT 1	AMDT: ORIG-B
				10 DECEMBER 2015	DATED: 05/02/2013

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: RW02L CLIMB TO 4900 DIRECT ELACA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4900. ADDITIONAL FLIGHT DATA: HOLD N, RT, 200.44 INBOUND. CHART FAS OBST: 535 TREE 644735N/1475418W DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 0.91 MILES TO RW02L* *LNAV ONLY. WAAS CHANNEL # 57915 REFERENCE PATH ID: W02B CHART: CIRCLING ICON LTP HAE: 142.4 M						
SWEPR (IAF)		BRMST (NOPT) (FB)			313.40 / 7.55			3800								
KURLL (IAF)		BRMST (NOPT) (FB)			086.23 / 7.56			3800								
BRMST (IF/IAF)		RIMSE (FB)			019.77 / 3.50			3400								
RIMSE		CACHE (FB)			019.84 / 4.49			2100								
CACHE (FAF)		ORACE/1.70 NM TO RW02L (FB)			019.94 / 3.35											
ORACE/1.70 NM TO RW02L		RW02L (MAP) (FO)			019.94 / 1.70											
(SEE FORM 8260-10)																
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S BRMST, RT, 019.77 INBOUND, 3800 FT. IN LIEU OF PT (IAF) 3. FAC: <u>019.94</u> FAF: <u>CACHE</u> DIST FAF TO MAP: <u>5.05</u> THLD: <u>5.05</u> 4. MIN. ALT: BRMST 3800, RIMSE 3400, CACHE 2100, ORACE/1.70 NM TO RW02L 1020* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2100</u> GS ALT AT: <u>CACHE 2100</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.9</u> 34:1 IS CLEAR 8. MSA FROM: <u> </u>																
										MAG VAR: 18E			EPOCH YEAR: 2020			
MINIMUMS																
TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>							ALTERNATE: <u>N A</u>		STANDARD							
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	
LPV DA	639	2400	200	639	2400	200	639	2400	200	639	2400	200				
LNAV/VNAV DA	720	2400	281	720	2400	281	720	2400	281	720	2400	281				
LNAV MDA	800	2400	361	800	2400	361	800	3500	361	800	3500	361				
CIRCLING	880	1	441	900	1	461	900	1 1/2	461	1020	2	581				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: CIRCLING NA WEST OF RWY 2L-20R. CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV/VNAV TO RVR 4500 ALL CATS, AND LNAV TO RVR 5500 (SEE FORM 8260-10)																
CITY AND STATE				ELEVATION: 439 TDZE: 439			FACILITY IDENTIFIER:			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		
FAIRBANKS, AK				AIRPORT NAME:			RNAV			RNAV (GPS) Y RWY 2L, AMDT 1				AMDT: ORIG-D		
				FAIRBANKS INTL						10 DECEMBER 2015				DATED 11/13/2014		



**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, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW02L (MAP)	639 MSL	019.94	
639 MSL	ELACA (FO)		4900

NOTES, (CONT.):

CAT C AND D.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE} TCH {FEET}).

TAA

	FROM	TO	ALT
1.	313/30 CW 086/30 (NOPT)	313/20 CW 086/20	5500
	313/20 CW 086/20	BRMST (IF/IAF) (FB)	3800
2.	086/30 CW 200/30	KURLL (IAF) (FB)	5500
3.	200/30 CW 313/30	SWEPR (IAF) (FB)	5600

QUALITY
24
CHECKED

CITY AND STATE

FAIRBANKS, AK

ELEVATION: 439

TDZE: 439

AIRPORT NAME:

FAIRBANKS INTL

 FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 2L, AMDT 1

10 DECEMBER 2015

SUP:

AMDT: ORIG-D

DATED: 11/13/2014

**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**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAFA
RUNWAY	RW02L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02B
LTP/FTP LATITUDE	644815.2900N
LTP/FTP LONGITUDE	1475258.5115W
LTP/FTP ELLIPSOIDAL HEIGHT	+01424
FPAP LATITUDE	644940.9055N
FPAP LONGITUDE	1475021.1140W
THRESHOLD CROSSING HEIGHT (TCH)	00055.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

20575686

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+01329
FPAP ORTHOMETRIC HEIGHT	+01329

QUALITY
24
CHECKED

CITY AND STATE

FAIRBANKS, AK

ELEVATION: 439

TDZE: 439

AIRPORT NAME:

FAIRBANKS INTL

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 2L, AMDT 1

10 DECEMBER 2015

SUP:

AMDT: ORIG-D

DATED: 11/13/2014

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 - PAFA																
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		
BRMST	010	BRMST	HF	FO		019.8			R			AA 03800		EE A		
KURLL	010	KURLL	IF	FB										E A		
KURLL	020	BRMST	TF	FB	1.0	086.2						AA 03800		EE B		
SWEPR	010	SWEPR	IF	FB										E A		
SWEPR	020	BRMST	TF	FB	1.0	313.4						AA 03800		EE B		
	010	BRMST	IF	FB								AA 03800		E I		
	011	RIMSE	TF	FB	0.5	019.8						AA 03400		E S		
	020	CACHE	TF	FB	0.5	019.8						AA 02100		E F		
	021	ORACE	TF	FB	0.3	019.9		3.00				AA 01020 GS 01034		E S		
	030	RW02L	TF	FO	0.3	019.9		3.00				AT 00492		GY M		
	040		CA	FB		019.9						AA 00639		M		
	050	ELACA	DF	FO								AA 04900		EY		
	060	ELACA	HM	FO		200.4			R			AA 04900		EE		
POINTS																
POINT NAME					LATITUDE		LONGITUDE									
BRMST					N643759.95		W1481139.16									
CACHE					N644417.33		W1480014.08									
ELACA					N650226.11		W1472638.38									
KURLL					N643951.99		W1482840.27									
ORACE					N644655.12		W1475525.50									
RIMSE					N644045.33		W1480639.79									
SWEPR					N643123.77		W1480315.22									
RUNWAYS																
RUNWAY					THRESHOLD LATITUDE					THRESHOLD LONGITUDE					THRESHOLD ELEVATION	PROCEDURE TCH
RW02L					N644815.29					W1475258.51					00436	56

CITY AND STATE FAIRBANKS, AK	ELEVATION: 439 TDZE: 439 AIRPORT NAME: FAIRBANKS INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 2L, AMDT 1 10 DECEMBER 2015	SUP: 4 AMDT: ORIG-D DATED: 11/13/2014
--	--	--	--	--

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: RW20R CLIMB TO 3000 DIRECT JOTUG AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 019.78 INBOUND. CHART FAS OBST: 764 TWR 645147N/1474515W DISTANCE TO THLD FROM 200 HATH: 0.45 NM. CHART VDP AT 1.66 MILES TO RW20R* *LNAV ONLY. WAAS CHANNEL # 58329 REFERENCE PATH ID: W20B CHART: YUKON 2 MOA. CHART: R-2205 CHART CIRCLING ICON LTP HAE: 143.2 M						
KUPGE (IAF)		ZUREP (NOPT) (FB)		270.68 / 8.00			4900								
MEKAE (IAF)		ZUREP (NOPT) (FB)		130.26 / 8.00			4900								
ZUREP (IF/IAF)		ROPEE (FB)		200.41 / 2.94			4000								
ROPEE		CIGNI (FB)		200.35 / 2.94			3400								
CIGNI (FAF)		HOVMO/5.00 NM TO RW20R (FB)		200.28 / 4.12											
HOVMO/5.00 NM TO RW20R (SEE FORM 8260-10)		RW20R (MAP) (FO)		200.28 / 5.00											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N ZUREP, LT, 200.41 INBOUND, 4900 FT. IN LIEU OF PT (IAF) 3. FAC: 200.28 FAF: CIGNI DIST FAF TO MAP: 9.12 THLD: 9.12 4. MIN. ALT: ROPEE 4000, CIGNI 3400, HOVMO/5.00 NM TO RW20R 2060* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3400 GS ALT AT: CIGNI 3400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.7 34:1 IS CLEAR 8. MSA FROM: _____										MAG VAR: 18E		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	639	2400	200	639	2400	200	639	2400	200	639	2400	200			
LNAV/VNAV DA	1148	2	709	1148	2	709	1148	2	709	1148	2	709			
LNAV MDA	1020	2400	581	1020	2400	581	1020	6000	581	1020	6000	581			
CIRCLING	1020	1	581	1020	1	581	1020	1 3/4	581	1020	2	581			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING NA WEST OF RWY 02L-20R. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE} TCH {FEET}).															
CITY AND STATE		ELEVATION: 439 TDZE: 439		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
FAIRBANKS, AK		AIRPORT NAME: FAIRBANKS INTL				RNAV (GPS) Y RWY 20R, AMDT 1A 10 DECEMBER 2015				AMDT: 1					
										DATED 09/20/2012					



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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW20R (MAP)	639 MSL	200.28	

639 MSL	JOTUG (FO)		3000
---------	------------	--	------

TAA

	FROM	TO	ALT
1.	130/30 CW 270/30 (NOPT)	130/10 CW 270/10	7000
2.	130/10 CW 270/10	ZUREP (IF/IAF) (FB)	4900
3.	270/30 CW 020/30	270/8 CW 020/8	5600
4.	270/8 CW 020/8	KUPGE (IAF) (FB)	4900
5.	020/30 CW 130/30	020/8 CW 130/8	5500
6.	020/8 CW 130/8	MEKAE (IAF) (FB)	4900

QUALITY
24
CHECKED

CITY AND STATE
FAIRBANKS, AK

ELEVATION: 439 TDZE: 439
AIRPORT NAME:
FAIRBANKS INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 20R, AMDT 1A
10 DECEMBER 2015

SUP:
AMDT: 1
DATED: 09/20/2012

**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**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAFA
RUNWAY	RW20R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20B
LTP/FTP LATITUDE	644935.1005N
LTP/FTP LONGITUDE	1475031.8200W
LTP/FTP ELLIPSOIDAL HEIGHT	+01432
FPAP LATITUDE	644809.4730N
FPAP LONGITUDE	1475309.1760W
THRESHOLD CROSSING HEIGHT (TCH)	00055.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

DEDFA1EC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+01338
FPAP ORTHOMETRIC HEIGHT	+01338

QUALITY
24
CHECKED

CITY AND STATE

FAIRBANKS, AK

ELEVATION: 439

TDZE: 439

AIRPORT NAME:

FAIRBANKS INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 20R, AMDT 1A

10 DECEMBER 2015

SUP:

AMDT: 1

DATED: 09/20/2012

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 - PAFA														
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
KUPGE	010	KUPGE	IF	FB										E A
KUPGE	020	ZUREP	TF	FB	1.0	270.7						AA 04900		EE B
MEKAE	010	MEKAE	IF	FB										E A
MEKAE	020	ZUREP	TF	FB	1.0	130.3						AA 04900		EE B
ZUREP	010	ZUREP	HF	FO		200.4			L			AA 04900		EE A
	010	ZUREP	IF	FB								AA 04900		E I
	011	ROPEE	TF	FB	0.5	200.4						AA 04000		E
	020	CIGNI	TF	FB	0.5	200.4						AA 03400		E F
	021	HOVMO	TF	FB	0.3	200.3		3.00				AA 02060 GS 02087		E S
	030	RW20R	TF	FO	0.3	200.3		3.00				AT 00495		GY M
	040		CA	FB		200.3						AA 00639		M
	050	JOTUG	DF	FO								AA 03000		EY
	060	JOTUG	HM	FO		019.8			R			AA 03000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
CIGNI			N645643.99			W1473718.16								
HOVMO			N645330.28			W1474317.76								
JOTUG			N643847.14			W1481013.53								
KUPGE			N645847.44			W1471051.30								
MEKAE			N650806.76			W1473838.52								
ROPEE			N645901.85			W1473301.07								
ZUREP			N650119.59			W1472843.25								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW20R		N644935.10		W1475031.82		00439		56						

QUALITY
4
CHECKED

CITY AND STATE FAIRBANKS, AK	ELEVATION: 439	TDZE: 439	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: FAIRBANKS INTL		RNAV	RNAV (GPS) Y RWY 20R, AMDT 1A	AMDT:
				10 DECEMBER 2015	DATED: 09/20/2012

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.
FAIRBANKS, AK	FAIRBANKS INTL	10 DECEMBER 2015	6

TAKEOFF MINIMUMS:

RWY 20L, 20R, STANDARD.

RWY 2L, STANDARD WITH MINIMUM CLIMB OF 230 FT PER NM TO 2600.

RWY 2R, STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 2000, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FT PRIOR TO DER.

TEXTUAL DEPARTURE PROCEDURES:

RWY 2L: CLIMB HEADING 035.05 TO 2600 BEFORE PROCEEDING ON COURSE.

RWY 2R: CLIMB HEADING 035.05 TO 2100 BEFORE PROCEEDING ON COURSE.

RWY 20L, 20R: CLIMB HEADING 200.08 TO 2000 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2L, BUILDING 330 FT FROM DER, 251 FT LEFT OF CENTERLINE, 13 FT AGL/448 FT MSL. TREES BEGINNING 2256 FT FROM DER, 937 FT RIGHT OF CENTERLINE, UP TO 84 FT AGL/517 FT MSL. POLE, TRANSMISSION LINE, CATENARY, AND TREES BEGINNING 1961 FT FROM DER, 666 FT LEFT OF CENTERLINE, UP TO 78 FT AGL/514 FT MSL.

NOTE: RWY 2R, BUILDINGS, VEHICLES ON ROAD, BUSHES, SIGNS, FENCE, TANKS, AND TREES BEGINNING ABEAM DER, 244 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/448 FT MSL. SIGNS AND AIRCRAFT ON RAMP BEGINNING 11 FT FROM DER, 247 FT RIGHT OF CENTERLINE, UP TO 8 FT AGL/441 FT MSL.

NOTE: RWY 20L, LIGHT 9 FT FROM DER, 30 FT RIGHT OF CENTERLINE, 1 FT AGL/434 FT MSL. LIGHT 9 FT FROM DER, 30 FT LEFT OF CENTERLINE, 1 FT AGL/437 FT MSL. SIGN AND TREES BEGINNING 21 FT FROM DER, 249 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/470 FT MSL. SIGN, TRANSMISSION LINE TOWER, AND CATENARIES BEGINNING 49 FT FROM DER, 457 FT LEFT OF CENTERLINE, UP TO 37 FT AGL/465 FT MSL. TREES BEGINNING 292 FT FROM DER, 552 FT RIGHT OF CENTERLINE, UP TO 72 FT AGL/501 FT MSL. POLE, TRANSMISSION LINE TOWER, AND TREES BEGINNING 458 FT FROM DER, 546 FT LEFT OF CENTERLINE, UP TO 49 FT AGL/480 FT MSL. TREES BEGINNING 1225 FT FROM DER, 236 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/501 FT MSL. TREES BEGINNING 1895 FT FROM DER, 131 FT LEFT OF CENTERLINE, UP TO 62 FT AGL/492 FT MSL.

NOTE: RWY 20R, BUILDING 7 FT FROM DER, 424 FT RIGHT OF CENTERLINE, 22 FT AGL/447 FT MSL. LIGHT AND NAVAID 10 FT FROM DER, 65 FT RIGHT OF CENTERLINE, 1 FT AGL/437 FT MSL. LIGHT 10 FT FROM DER, 64 FT LEFT OF CENTERLINE, 1 FT AGL/436 FT MSL. TREES BEGINNING 1093 FT FROM DER, 786 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/483 FT MSL. TREES BEGINNING 1799 FT FROM DER, 714 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/492 FT MSL.

CONTROLLING OBSTACLES:

RWY 2L, 2R: 1599 FT AAO 645459.25N/1474052.40W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 2L - 2825 FT MSL AAO 650205.55N/1473003.70W.

RWY 2R, 20R - 2473 FT MSL TOWER 645242.00N/1480144.00W.

RWY 20L - 2561 FT MSL AAO 645233.91N/1480402.30W.



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.
FAIRBANKS, AK	FAIRBANKS INTL	10 DECEMBER 2015	6

REMARKS:

1. WAIVER ON FILE FOR ATC REQUEST TO OPT OUT OF VCOA FOR RWY 2L AND 2R.
2. RWY 2L AND 2R DEPARTURE COURSE OFFSET 15 DEGREES TO ACHIEVE LOWEST POSSIBLE CLIMB GRADIENTS.
3. MAGVAR 18E DERIVED FROM DEC 2016 EPOCH YEAR CAT II/III ILS TABLE.
4. TOD TEAM UNABLE TO IMPROVE ACCURACY CODE FOR RWY 2R AND RWY 20R CONTROLLING OBSTACLE (02-000186, 5F). REQUESTING 4D ACCURACY CHECK FROM FLIGHT INSPECTION.

FLIGHT INSPECTED BY:

Digitally signed by
KENNETH E JACK FICO **LONNIE EVERHART** 09/28/2015
Oct 02, 2015

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

Digitally signed by
PETER GUIMOND **PETER R GUIMOND** AJV-5413 05/09/2015
May 09, 2015

APPROVED BY:

JILL OLSON AJV-5430 *Digitally signed by*
LONNIE EVERHART

COORDINATED WITH:

Oct 02, 2015

ALPA, APA, AOPA, NBAA, ZAN, FAI APP CON, FAI ATCT, AMGR

CHANGES:

1. CHANGED AIRPORT MAGVAR FROM 21E TO 18E.
2. AMENDED RWY 2R TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 230 FT PER NM TO 2600 TO READ STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 2000, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FT PRIOR TO DER.
3. AMENDED RWY 2L DEPARTURE PROCEDURE MAGNETIC HEADING FROM 032.05 TO 035.05.
4. AMENDED RWY 2R DEPARTURE PROCEDURE FROM CLIMB HEADING 032.05 TO 2600 BEFORE PROCEEDING ON COURSE TO READ CLIMB HEADING 035.05 TO 2100 BEFORE PROCEEDING ON COURSE.
5. AMENDED RWY 20L AND 20R DEPARTURE PROCEDURE FROM CLIMB HEADING 197.08 TO 2600 BEFORE PROCEEDING ON COURSE TO READ CLIMB HEADING 200.08 TO 2000 BEFORE PROCEEDING ON COURSE.
6. UPDATED TAKEOFF OBSTACLE NOTES FOR ALL RUNWAYS.

REASONS:

1. WESTERN FPT REQUEST.
2. NEW OBSTACLE STUDY.
3. COMPUTED USING UPDATED MAGVAR VALUE.
- 4, 5. DEPARTURE COURSE COMPUTED USING NEW MAGVAR VALUE. CLIMB TO ALTITUDES RECALCULATED AFTER NEW OBSTACLE STUDY.
6. NEW OBSTACLE STUDY USING UPDATED SURVEY INFORMATION.

QUALITY
3
CHECKED

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 10 DECEMBER 2015																			
CITY AND STATE KOYUK, AK				ELEVATION: 155 TDZE: 154 AIRPORT NAME: KOYUK ALFRED ADAMS				FACILITY IDENTIFIER: KKA		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB/DME RWY 1, AMDT 1B, 10/17/2013						SUP AMDT 1A DATE 10/27/2005			

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: RW07L CLIMB TO 3000 DIRECT FILBA AND ON TRACK 069.62 TO DOWNE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 248.00 INBOUND. CHART FAS OBST: 291 ANT ON OL BLDG 335632N/1182523W DISTANCE TO THLD FROM 306 HAT: 0.80 NM. CHART VDP AT 1.33 MILES TO RW07L* *LNAV ONLY. WAAS CHANNEL # 42504 REFERENCE PATH ID: W07A LTP HAE: .7 M					
FIM VORTAC		WAKER (FB)		159.00 / 19.62				5100							
SMO VOR/DME		WAKER (FB)		260.00 / 18.83				5100							
WAKER		STEMS (FB)		159.00 / 8.25				4100							
STEMS (IAF)		FEKIL (FB)		068.77 / 8.79				2800							
EXERT (IAF)		FEKIL (FB)		064.38 / 10.58				2800							
TANDY (IAF)		FEKIL (FB)		351.57 / 10.02				2800							
FEKIL (IF)		TURKA (FB)		068.87 / 6.00				1800		MAG VAR: 14E EPOCH YEAR: 1980					
(SEE FORM 8260-10)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)															
2. PROFILE STARTS AT FEKIL															
3. FAC: <u>068.93</u> FAF: <u>TURKA</u> DIST FAF TO MAP: <u>5.03</u> THLD: <u>5.03</u>															
4. MIN. ALT: FEKIL 2800, TURKA 1800															
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>															
6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>TURKA 1800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>58.5</u> 34:1 IS CLEAR															
8. MSA FROM: <u>RW07L 7700</u>															
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	434	2400	306	434	2400	306	434	2400	306	434	2400	306			
LNAV/VNAV DA	584	5000	456	584	5000	456	584	5000	456	584	5000	456			
LNAV MDA	600	2400	474	600	2400	474	600	4000	474	600	5000	474			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SMO VOR/DME ON V107 EASTBOUND. T245 AND T247 SOUTHEAST BOUND. (SEE FORM 8260-10)															
CITY AND STATE LOS ANGELES, CA		ELEVATION: 128 TDZE: 128 AIRPORT NAME: LOS ANGELES INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 7L, AMDT 2D 12/10/2015						SUP:			
												AMDT: 2C			
												DATED 04/04/2013			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																										
RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33																													
TERMINAL ROUTES, (CONT.):																													
<table><tr><td>FROM</td><td>TO</td><td>COURSE AND DISTANCE</td><td colspan="2">ALTITUDE</td></tr><tr><td>TURKA (FAF)</td><td>RW07L (MAP) (FO)</td><td>068.93 / 5.03</td><td colspan="2"></td></tr><tr><td>RW07L (MAP)</td><td>434 MSL</td><td>068.93</td><td colspan="2"></td></tr><tr><td>434 MSL</td><td>FILBA (FB)</td><td></td><td colspan="2"></td></tr><tr><td>FILBA</td><td>DOWNE (FO)</td><td>069.62 / 8.81</td><td colspan="2">3000</td></tr></table>					FROM	TO	COURSE AND DISTANCE	ALTITUDE		TURKA (FAF)	RW07L (MAP) (FO)	068.93 / 5.03			RW07L (MAP)	434 MSL	068.93			434 MSL	FILBA (FB)				FILBA	DOWNE (FO)	069.62 / 8.81	3000	
FROM	TO	COURSE AND DISTANCE	ALTITUDE																										
TURKA (FAF)	RW07L (MAP) (FO)	068.93 / 5.03																											
RW07L (MAP)	434 MSL	068.93																											
434 MSL	FILBA (FB)																												
FILBA	DOWNE (FO)	069.62 / 8.81	3000																										
NOTES, (CONT.): CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EXPERT ON V25 WESTBOUND, V27 NORTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON FIM VORTAC AIRWAY RADIALS 097 CW 195. CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 6L/R. CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS. CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.																													
QUALITY 6 CHECKED																													
CITY AND STATE LOS ANGELES, CA		ELEVATION: 128 AIRPORT NAME: LOS ANGELES INTL	TDZE: 128 FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 7L, AMDT 2D 12/10/2015																									
				SUP: AMDT: 2C DATED: 04/04/2013																									

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	KLAX
RUNWAY	RW07L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	335608.9900N
LTP/FTP LONGITUDE	1182509.6300W
LTP/FTP ELLIPSOIDAL HEIGHT	+00007
FPAP LATITUDE	335623.5575N
FPAP LONGITUDE	1182247.1970W
THRESHOLD CROSSING HEIGHT (TCH)	00058.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 0F3F1255

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00367
FPAP ORTHOMETRIC HEIGHT	+00367

QUALITY
6
CHECKED

CITY AND STATE LOS ANGELES, CA	ELEVATION: 128 TDZE: 128 AIRPORT NAME: LOS ANGELES INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 7L, AMDT 2D 12/10/2015	SUP:
				AMDT: 2C
				DATED: 04/04/2013

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 - KLAX

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
EXERT	010	EXERT	IF	FB										E A
EXERT	020	FEKIL	TF	FB	1.0	064.4						AA 02800		EE B
FIM	010	FIM	IF	FB										V
FIM	020	WAKER	TF	FB	2.0	159.0						AA 05100		E
FIM	030	STEMS	TF	FB	2.0	159.0						AA 04100		E A
FIM	040	FEKIL	TF	FB	1.0	068.8						AA 02800		EE B
SMO	010	SMO	IF	FB										V
SMO	020	WAKER	TF	FB	2.0	260.0						AA 05100		E
SMO	030	STEMS	TF	FB	2.0	159.0						AA 04100		E A
SMO	040	FEKIL	TF	FB	1.0	068.8						AA 02800		EE B
STEMS	010	STEMS	IF	FB										E A
STEMS	020	FEKIL	TF	FB	1.0	068.8						AA 02800		EE B
TANDY	010	TANDY	IF	FB										E A
TANDY	020	FEKIL	TF	FB	1.0	351.6						AA 02800		EE B
WAKER	010	WAKER	IF	FB										E
WAKER	020	STEMS	TF	FB	2.0	159.0						AA 04100		E A
WAKER	030	FEKIL	TF	FB	1.0	068.8						AA 02800		EE B
	010	FEKIL	IF	FB								AA 02800		E I
	020	TURKA	TF	FB	0.5	068.9				RW07L		AA 01800		E F
	030	RW07L	TF	FO	0.3	068.9		3.00				AT 00179		GY M
	040		CA	FB		068.9						AA 00434		M
	050	FILBA	DF	FB										E
	060	DOWNE	TF	FO	1.0	069.6						AA 03000		EY
	070	DOWNE	HM	FO		248.0			L			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FIM	N342124.10	W1185252.65
SMO	N340036.88	W1182724.18
DOWNE	N335751.49	W1180725.42
EXERT	N335239.94	W1185045.93
FEKIL	N335447.35	W1183818.87
FILBA	N335653.07	W1181757.24
STEMS	N335341.31	W1184847.54
TANDY	N334447.67	W1183929.06
TURKA	N335531.95	W1183109.32

QUALITY
6
CHECKED

CITY AND STATE LOS ANGELES, CA	ELEVATION: 128	TDZE: 128	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 7L, AMDT 2D 12/10/2015	SUP:
	AIRPORT NAME: LOS ANGELES INTL			AMDT: 2C	
				DATED: 04/04/2013	

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.	
WAKER N340153.80 W1185000.06					
RUNWAYS					
	THRESHOLD	THRESHOLD	THRESHOLD	PROCEDURE	
RUNWAY	LATITUDE	LONGITUDE	ELEVATION	TCH	
RW07L	N335608.99	W1182509.63	00120	59	
CITY AND STATE LOS ANGELES, CA		ELEVATION: 128 AIRPORT NAME: LOS ANGELES INTL	TDZE: 128 FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 7L, AMDT 2D 12/10/2015	SUP: AMDT: 2C DATED: 04/04/2013



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW24L						
SLI VORTAC (IAF)		JULLI (FB)		331.00 / 12.13			4000		CLIMB TO 2000 DIRECT JAKOS AND ON TRACK 261.16 TO RAFFS AND HOLD.						
SEAVU (IAF)		SHURL (FB)		279.17 / 8.15			10000								
RIIVR (IAF)		SHURL (FB)		255.09 / 9.08			10000								
SHURL		PFILA (FB)		249.43 / 2.94			10000								
PFILA		SALWA (FB)		249.39 / 3.60			9000								
SALWA		WLNUT (FB)		249.35 / 3.60			8000								
WLNUT		HURLR (FB)		249.31 / 3.60			7000		ADDITIONAL FLIGHT DATA: HOLD E, LT, 260.00 INBOUND. CHART FAS OBST: 389 ATCT 335638N/1182414W DISTANCE TO THLD FROM 348 HAT: 0.93 NM. WAAS CHANNEL # 56407 REFERENCE PATH ID: W24B CHART KHHR IN PLANVIEW. LTP HAE: -.1 M						
(SEE FORM 8260-10)															
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)										MAG VAR: 14E EPOCH YEAR: 1980					
2. PROFILE STARTS AT HURLR															
3. FAC: 249.07 FAF: SUTIE DIST FAF TO MAP: 6.53 THLD: 6.53															
4. MIN. ALT: HURLR 7000, JULLI 4000, SUTIE 2200, CORTY/1.95 NM TO RW24L 740*															
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 2200 GS ALT AT: SUTIE 2200 OM: MM: IM:															
7. GS ANGLE: 3.00 TCH: 59.0 34:1 IS CLEAR															
8. MSA FROM: RW24L 7800															
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	471	1 1/8	348	471	1 1/8	348	471	1 1/8	348	471	1 1/8	348			
LNAV/VNAV DA	608	1 5/8	485	608	1 5/8	485	608	1 5/8	485	608	1 5/8	485			
LNAV MDA	660	1	537	660	1	537	660	1 1/2	537	660	1 1/2	537			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 1C (34F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SLI VORTAC AIRWAY RADIALS 251 CW 058. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (SEE FORM 8260-10)															
CITY AND STATE LOS ANGELES, CA		ELEVATION: 128 TDZE: 123 AIRPORT NAME: LOS ANGELES INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 24L, AMDT 3 12/10/2015						SUP: AMDT: 2B DATED 07/24/2014			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33				
TERMINAL ROUTES, (CONT.):				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
HURLR	JULLI (FB)	249.27 / 10.32	4000	
JULLI (IF)	SUTIE (FB)	249.16 / 7.90	2200	
SUTIE (FAF)	CORTY/1.95 NM TO RW24L	249.07 / 4.57		
CORTY/1.95 NM TO RW24L	RW24L (MAP) (FO)	249.07 / 1.95		
RW24L (MAP)	471 MSL	249.07		
471 MSL	JAKOS (FB)			
JAKOS	RAFFS (FO)	261.16 / 10.96	2000	
NOTES, (CONT.):				
*LNAV ONLY				
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.				
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH HHR 25.				
CHART NOTE: LNAV ONLY APPROACH NA DURING SIMULTANEOUS OPERATIONS.				
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE DURING SIMULTANEOUS OPERATIONS.				
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.				
QUALITY 6 CHECKED				
CITY AND STATE	ELEVATION: 128	TDZE: 123	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
LOS ANGELES, CA	AIRPORT NAME:		RNAV	RNAV (GPS) Y RWY 24L, AMDT 3
	LOS ANGELES INTL			12/10/2015
			SUP:	
			AMDT:	2B
			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	KLAX
RUNWAY	RW24L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24B
LTP/FTP LATITUDE	335659.5900N
LTP/FTP LONGITUDE	1182416.8900W
LTP/FTP ELLIPSOIDAL HEIGHT	-00001
FPAP LATITUDE	335648.2905N
FPAP LONGITUDE	1182607.1780W
THRESHOLD CROSSING HEIGHT (TCH)	00059.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

<u>CRC REMAINDER</u>	C8CE767F
----------------------	----------

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00358
FPAP ORTHOMETRIC HEIGHT	+00358

QUALITY
6
CHECKED

CITY AND STATE

LOS ANGELES, CA

ELEVATION: 128

TDZE: 123

AIRPORT NAME:

LOS ANGELES INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 24L, AMDT 3

12/10/2015

SUP:

AMDT: 2B

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

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

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
RIIVR	010	RIIVR	IF	FB										E A
RIIVR	020	SHURL	TF	FB	1.0	255.1						AA 10000		E
RIIVR	030	PFILA	TF	FB	1.0	249.4						AA 10000		E
RIIVR	040	SALWA	TF	FB	1.0	249.4						AA 09000		E
RIIVR	050	WLNUT	TF	FB	1.0	249.4						AA 08000		E
RIIVR	060	HURLR	TF	FB	1.0	249.3						AA 07000		E
RIIVR	070	JULLI	TF	FB	1.0	249.3						AA 04000		EE B
SEAVU	010	SEAVU	IF	FB										E A
SEAVU	020	SHURL	TF	FB	1.0	279.2						AA 10000		E
SEAVU	030	PFILA	TF	FB	1.0	249.4						AA 10000		E
SEAVU	040	SALWA	TF	FB	1.0	249.4						AA 09000		E
SEAVU	050	WLNUT	TF	FB	1.0	249.4						AA 08000		E
SEAVU	060	HURLR	TF	FB	1.0	249.3						AA 07000		E
SEAVU	070	JULLI	TF	FB	1.0	249.3						AA 04000		EE B
SLI	010	SLI	IF	FB										V A
SLI	020	JULLI	TF	FB	1.0	331.0						AA 04000		EE B
	010	JULLI	IF	FB								AA 04000		E I
	020	SUTIE	TF	FB	0.5	249.2				RW24L		AA 02200		E F
	021	CORTY	TF	FB	0.3	249.1		3.00				AA 00740 GS 00745		E S
	030	RW24L	TF	FO	0.3	249.1		3.00				AT 00176		GY M
	040		CA	FB		249.1						AA 00471		M
	050	JAKOS	DF	FB										E
	060	RAFFS	TF	FO	1.0	261.2						AA 02000		EY
	070	RAFFS	HM	FO		260.0			L			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
SLI	N334659.87	W1180317.12
CORTY	N335713.85	W1182157.13
HURLR	N335957.33	W1175444.42
JAKOS	N335618.66	W1183054.70
JULLI	N335844.08	W1180703.59
PFILA	N340112.69	W1174150.18
RAFFS	N335717.23	W1184401.90
RIIVR	N340142.17	W1172723.82
SALWA	N340047.72	W1174608.30

QUALITY
6
CHECKED

CITY AND STATE LOS ANGELES, CA	ELEVATION: 128 TDZE: 123	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 24L, AMDT 3 12/10/2015	SUP:
	AIRPORT NAME: LOS ANGELES INTL			AMDT: 2B
				DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE					
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33					
SEAVU	N335820.69	W1172918.55			
SHURL	N340132.99	W1173819.14			
SUTIE	N335747.14	W1181629.60			
WLNUT	N340022.60	W1175026.38			
RUNWAYS					
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	
RW24L	N335659.59	W1182416.89	00117	59	
					
CITY AND STATE LOS ANGELES, CA	ELEVATION: 128		FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	
	AIRPORT NAME: LOS ANGELES INTL			RNAV (GPS) Y RWY 24L, AMDT 3	
				12/10/2015	
			SUP:		
			AMDT:		2B
			DATED:		07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										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 10 DECEMBER 2015																					
CITY AND STATE SOUTH LAKE TAHOE, CA				ELEVATION: 6264 TDZE: AIRPORT NAME: LAKE TAHOE				FACILITY IDENTIFIER: SWR				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME OR GPS-A, AMDT 3C, 08/31/2006				SUP AMDT 3B DATE 09/27/2000					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE				ALTITUDE			ADDITIONAL FLIGHT DATA:						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: _____ EPOCH YEAR: _____									
2. _____																			
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____																			
4. MIN. ALT _____																			
8. MSA FROM: _____																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>		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 10 DECEMBER 2015																			
CITY AND STATE BOISE, ID		ELEVATION: 2871 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FIELD		TDZE: 2858		FACILITY IDENTIFIER: I-BOI		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC BC RWY 28L, AMDT 1A, 04/08/2010				SUP AMDT DATE		QUALITY 4 1 CHECKED 07/05/2007					

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: RW10L CLIMBING RIGHT TURN TO 6000 DIRECT JIMMI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 2879 TWR 433415N/1161350W DISTANCE TO THLD FROM 250 HAT: 0.62 NM. CHART VDP AT 1.05 MILES TO RW10L* *LNAV ONLY. WAAS CHANNEL # 78102 REFERENCE PATH ID: W10A CHART CIRCLING ICON LTP HAE: 845.9 M							
RENOL		BOYCA (FB)		354.95 / 13.84			6000									
BOYCA (IAF)		JIMMI (NOPT) (FB)		024.36 / 5.91			5000									
PARMO (IAF)		JIMMI (NOPT) (FB)		098.78 / 18.03			5000									
NICPE (IAF)		JIMMI (NOPT) (FB)		176.03 / 5.97			5000									
JIMMI (IF/IAF)		MIGEE (FB)		098.83 / 5.95			4100									
MIGEE (FAF)		RW10L (MAP)		100.08 / 3.82												
RW10L (MAP)		3094 MSL		100.08												
3094 MSL		JIMMI (FO)					6000									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W JIMMI, RT, 099.97 INBOUND, 6000 FT. IN LIEU OF PT (IAF) 3. FAC: 100.08 FAF: MIGEE DIST FAF TO MAP: 3.82 THLD: 3.82 4. MIN. ALT: JIMMI 5000, MIGEE 4100 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4100 GS ALT AT: MIGEE 4100 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 53.2 34:1 IS CLEAR 8. MSA FROM: RW10L 9400																
										MAG VAR: 15E EPOCH YEAR: 2005						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @						
CATEGORY ==>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	3094	7/8	250	3094	7/8	250	3094	7/8	250	3094	7/8	250				
LNAV/VNAV DA	3135	1	291	3135	1	291	3135	1	291	3135	1	291				
LNAV MDA	3240	1	396	3240	1	396	3240	1 1/8	396	3240	1 1/8	396				
CIRCLING	3440	1	569	3440	1	569	3740	2 1/2	869	3820	3	949				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE AT JIMMI : MAX 210 KIAS. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 2871 TDZE: 2844			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
BOISE, ID		AIRPORT NAME:					RNAV (GPS) Y RWY 10L, AMDT 3					AMDT: 2B				
		BOISE AIR TERMINAL/GOWEN FLD					10 DECEMBER 2015					DATED 09/18/2014				



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

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

NOTES, (CONT.):

CHART NOTE: CIRCLING NA N OF RWY 10L-28R.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RENOL ON V113 SOUTHWEST BOUND, AND ARRIVALS AT PARMO ON V500 NORTHWEST BOUND.

CITY AND STATE
BOISE, ID

ELEVATION: 2871 TDZE: 2844
AIRPORT NAME:
BOISE AIR TERMINAL/GOWEN FLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 10L, AMDT 3
10 DECEMBER 2015

SUP: 4
AMDT: 2B
DATED: 09/18/2014

QUALITY
CHECKED

**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**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBOI
RUNWAY	RW10L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	433412.7560N
LTP/FTP LONGITUDE	1161412.8815W
LTP/FTP ELLIPSOIDAL HEIGHT	+08459
FPAP LATITUDE	433334.8970N
FPAP LONGITUDE	1161221.9415W
THRESHOLD CROSSING HEIGHT (TCH)	00053.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

7DE4D8BC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+08627
FPAP ORTHOMETRIC HEIGHT	+08627

QUALITY
4

CITY AND STATE

BOISE, ID

ELEVATION: 2871

TDZE: 2844

AIRPORT NAME:

BOISE AIR TERMINAL/GOWEN FLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 10L, AMDT 3

10 DECEMBER 2015

SUP:

AMDT:

DATED:

CHECKED

2B

09/18/2014

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 - KBOI 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
JIMMI	010	JIMMI	HF	FO		100.0			R			AA 06000	AB 210	EE A
NICPE	010	NICPE	IF	FB										E A
NICPE	020	JIMMI	TF	FB	1.0	176.0						AA 05000	AB 210	EE B
PARMO	010	PARMO	IF	FB										E A
PARMO	020	JIMMI	TF	FB	1.0	098.8						AA 05000	AB 210	EE B
RENOL	010	RENOL	IF	FB										E
RENOL	020	BOYCA	TF	FB	2.0	355.0						AA 06000		E A
RENOL	030	JIMMI	TF	FB	1.0	024.4						AA 05000	AB 210	EE B
	010	JIMMI	IF	FB								AA 05000	AB 210	E I
	020	MIGEE	TF	FB	0.5	098.8				RW10L		AA 04100		E F
	030	RW10L	TF	FB	0.3	100.1		3.00				AT 02884		G M
	040		CA	FB		100.1						AA 03094		M
	050	JIMMI	DF	FO					R			AA 06000	AB 210	EY
	060	JIMMI	HM	FO		100.0			R			AA 06000	AB 210	EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
BOYCA			N433340.47			W1163136.93								
JIMMI			N433814.40			W1162627.45								
MIGEE			N433549.98			W1161858.36								
NICPE			N434405.90			W1162453.08								
PARMO			N434532.78			W1164910.43								
RENOL			N432002.38			W1163454.24								
RUNWAYS														
RUNWAY			THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH		
RW10L			N433412.76			W1161412.88			02831			53		

CITY AND STATE BOISE, ID	ELEVATION: 2871 TDZE: 2844 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 10L, AMDT 3 10 DECEMBER 2015	SUP: 2B
	DATED: 09/18/2014			

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: RW10R CLIMBING RIGHT TURN TO 6000 DIRECT JIMMI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 2866 TWR 433405N/1161423W DISTANCE TO THLD FROM 200 HAT: 0.44 NM. CHART VDP AT 1.10 MILES TO RW10R* *LNAV ONLY. WAAS CHANNEL # 40203 REFERENCE PATH ID: W10B CHART CIRCLING ICON LTP HAE: 843.9 M					
RENOL		BOYCA (FB)		354.95 / 13.84				6000							
BOYCA (IAF)		JIMMI (NOPT) (FB)		024.36 / 5.91				5000							
PARMO (IAF)		JIMMI (NOPT) (FB)		098.78 / 18.03				5000							
NICPE (IAF)		JIMMI (NOPT) (FB)		176.03 / 5.97				5000							
JIMMI (IF/IAF)		SITSE (FB)		099.94 / 5.72				4100							
SITSE (FAF)		RW10R (MAP) (FO)		100.08 / 3.82				6000							
RW10R (MAP)		3036 MSL		100.08											
3036 MSL		JIMMI (FO)													
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W JIMMI, RT, 099.97 INBOUND, 6000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>100.08</u> FAF: <u>SITSE</u> DIST FAF TO MAP: <u>3.82</u> THLD: <u>3.82</u> 4. MIN. ALT: <u>JIMMI 5000, SITSE 4100</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>4100</u> GS ALT AT: <u>SITSE 4100</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>58.1</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW10R 9400</u>										MAG VAR: 15E		EPOCH YEAR: 2005			
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @						
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3036	2400	200	3036	2400	200	3036	2400	200	3036	2400	200	3036	2400	200
LNAV/VNAV DA	3182	4000	346	3182	4000	346	3182	4000	346	3182	4000	346	3182	4000	346
LNAV MDA	3240	2400	404	3240	2400	404	3240	4000	404	3240	4000	404	3240	4000	404
CIRCLING	3440	1	569	3440	1	569	3740	2 1/2	869	3820	3	949	3880	3	1009
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE AT JIMMI : MAX 210 KIAS. (CONTINUED ON PAGE 2)															
CITY AND STATE BOISE, ID		ELEVATION: 2871 TDZE: 2836 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 10R, AMDT 2 10 DECEMBER 2015				SUP:					
										AMDT:					
										DATED 09/18/2014					

**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.

NOTES, (CONT.):

CHART PROFILE NOTE: VGSi AND RNAV GLIDE PATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: CIRCLING NA N OF RWY 10L-28R.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RENOL ON V113 SOUTHWEST BOUND, AND ARRIVALS AT PARMO ON V500 NORTHWEST BOUND.

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS AND LNAV CATS C/D/E VISIBILITY TO RVR 6000.

CITY AND STATE

BOISE, ID

ELEVATION: 2871

TDZE: 2836

AIRPORT NAME:

BOISE AIR TERMINAL/GOWEN FLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 10R, AMDT 2

10 DECEMBER 2015

SUP:

AMDT:

DATED: 09/18/2014

QUALITY
4
CHECKED
1B

**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**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBOI
RUNWAY	RW10R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10B
LTP/FTP LATITUDE	433412.1210N
LTP/FTP LONGITUDE	1161433.4150W
LTP/FTP ELLIPSOIDAL HEIGHT	+08439
FPAP LATITUDE	433331.1615N
FPAP LONGITUDE	1161233.3940W
THRESHOLD CROSSING HEIGHT (TCH)	00058.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

0F1A6B0B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+08608
FPAP ORTHOMETRIC HEIGHT	+08608

CITY AND STATE

BOISE, ID

ELEVATION: 2871

TDZE: 2836

AIRPORT NAME:

BOISE AIR TERMINAL/GOWEN FLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 10R, AMDT 2

10 DECEMBER 2015

SUP:

AMDT:

DATED:

QUALITY
4
CHECKED

1B

09/18/2014

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 - KBOI ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>JIMMI</td><td>010</td><td>JIMMI</td><td>HF</td><td>FO</td><td></td><td>100.0</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 06000</td><td>AB 210</td><td>EE A</td></tr> <tr><td>NICPE</td><td>010</td><td>NICPE</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>NICPE</td><td>020</td><td>JIMMI</td><td>TF</td><td>FB</td><td>1.0</td><td>176.0</td><td></td><td></td><td></td><td></td><td></td><td>AA 05000</td><td>AB 210</td><td>EE B</td></tr> <tr><td>PARMO</td><td>010</td><td>PARMO</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>PARMO</td><td>020</td><td>JIMMI</td><td>TF</td><td>FB</td><td>1.0</td><td>098.8</td><td></td><td></td><td></td><td></td><td></td><td>AA 05000</td><td>AB 210</td><td>EE B</td></tr> <tr><td>RENOL</td><td>010</td><td>RENOL</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td></tr> <tr><td>RENOL</td><td>020</td><td>BOYCA</td><td>TF</td><td>FB</td><td>2.0</td><td>355.0</td><td></td><td></td><td></td><td></td><td></td><td>AA 06000</td><td></td><td>E A</td></tr> <tr><td>RENOL</td><td>030</td><td>JIMMI</td><td>TF</td><td>FB</td><td>1.0</td><td>024.4</td><td></td><td></td><td></td><td></td><td></td><td>AA 05000</td><td>AB 210</td><td>EE B</td></tr> <tr><td></td><td>010</td><td>JIMMI</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 05000</td><td>AB 210</td><td>E I</td></tr> <tr><td></td><td>020</td><td>SITSE</td><td>TF</td><td>FB</td><td>0.5</td><td>099.9</td><td></td><td></td><td></td><td>RW10R</td><td></td><td>AA 04100</td><td></td><td>E F</td></tr> <tr><td></td><td>030</td><td>RW10R</td><td>TF</td><td>FO</td><td>0.3</td><td>100.1</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 02882</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>100.1</td><td></td><td></td><td></td><td></td><td></td><td>AA 03036</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>JIMMI</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td>0.00</td><td>R</td><td></td><td></td><td>AA 06000</td><td>AB 21</td><td>EY</td></tr> <tr><td></td><td>060</td><td>JIMMI</td><td>HM</td><td>FO</td><td></td><td>100.0</td><td></td><td>0.00</td><td>R</td><td></td><td></td><td>AA 06000</td><td>AB 21</td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">POINT NAME</th> <th style="text-align: left;">LATITUDE</th> <th style="text-align: left;">LONGITUDE</th> </tr> </thead> <tbody> <tr><td>BOYCA</td><td>N433340.47</td><td>W1163136.93</td></tr> <tr><td>JIMMI</td><td>N433814.40</td><td>W1162627.45</td></tr> <tr><td>NICPE</td><td>N434405.90</td><td>W1162453.08</td></tr> <tr><td>PARMO</td><td>N434532.78</td><td>W1164910.43</td></tr> <tr><td>RENOL</td><td>N432002.38</td><td>W1163454.24</td></tr> <tr><td>SITSE</td><td>N433549.46</td><td>W1161919.25</td></tr> </tbody> </table> RUNWAYS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">RUNWAY</th> <th style="text-align: left;">THRESHOLD LATITUDE</th> <th style="text-align: left;">THRESHOLD LONGITUDE</th> <th style="text-align: left;">THRESHOLD ELEVATION</th> <th style="text-align: left;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr> <td>RW10R</td> <td>N433412.12</td> <td>W1161433.42</td> <td>02824</td> <td>58</td> </tr> </tbody> </table>															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	JIMMI	010	JIMMI	HF	FO		100.0			R			AA 06000	AB 210	EE A	NICPE	010	NICPE	IF	FB										E A	NICPE	020	JIMMI	TF	FB	1.0	176.0						AA 05000	AB 210	EE B	PARMO	010	PARMO	IF	FB										E A	PARMO	020	JIMMI	TF	FB	1.0	098.8						AA 05000	AB 210	EE B	RENOL	010	RENOL	IF	FB										E	RENOL	020	BOYCA	TF	FB	2.0	355.0						AA 06000		E A	RENOL	030	JIMMI	TF	FB	1.0	024.4						AA 05000	AB 210	EE B		010	JIMMI	IF	FB								AA 05000	AB 210	E I		020	SITSE	TF	FB	0.5	099.9				RW10R		AA 04100		E F		030	RW10R	TF	FO	0.3	100.1		3.00				AT 02882		GY M		040		CA	FB		100.1						AA 03036		M		050	JIMMI	DF	FO				0.00	R			AA 06000	AB 21	EY		060	JIMMI	HM	FO		100.0		0.00	R			AA 06000	AB 21	EE	POINT NAME	LATITUDE	LONGITUDE	BOYCA	N433340.47	W1163136.93	JIMMI	N433814.40	W1162627.45	NICPE	N434405.90	W1162453.08	PARMO	N434532.78	W1164910.43	RENOL	N432002.38	W1163454.24	SITSE	N433549.46	W1161919.25	RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW10R	N433412.12	W1161433.42	02824	58
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																																																																																																																																																																																																																																																																
JIMMI	010	JIMMI	HF	FO		100.0			R			AA 06000	AB 210	EE A																																																																																																																																																																																																																																																																
NICPE	010	NICPE	IF	FB										E A																																																																																																																																																																																																																																																																
NICPE	020	JIMMI	TF	FB	1.0	176.0						AA 05000	AB 210	EE B																																																																																																																																																																																																																																																																
PARMO	010	PARMO	IF	FB										E A																																																																																																																																																																																																																																																																
PARMO	020	JIMMI	TF	FB	1.0	098.8						AA 05000	AB 210	EE B																																																																																																																																																																																																																																																																
RENOL	010	RENOL	IF	FB										E																																																																																																																																																																																																																																																																
RENOL	020	BOYCA	TF	FB	2.0	355.0						AA 06000		E A																																																																																																																																																																																																																																																																
RENOL	030	JIMMI	TF	FB	1.0	024.4						AA 05000	AB 210	EE B																																																																																																																																																																																																																																																																
	010	JIMMI	IF	FB								AA 05000	AB 210	E I																																																																																																																																																																																																																																																																
	020	SITSE	TF	FB	0.5	099.9				RW10R		AA 04100		E F																																																																																																																																																																																																																																																																
	030	RW10R	TF	FO	0.3	100.1		3.00				AT 02882		GY M																																																																																																																																																																																																																																																																
	040		CA	FB		100.1						AA 03036		M																																																																																																																																																																																																																																																																
	050	JIMMI	DF	FO				0.00	R			AA 06000	AB 21	EY																																																																																																																																																																																																																																																																
	060	JIMMI	HM	FO		100.0		0.00	R			AA 06000	AB 21	EE																																																																																																																																																																																																																																																																
POINT NAME	LATITUDE	LONGITUDE																																																																																																																																																																																																																																																																												
BOYCA	N433340.47	W1163136.93																																																																																																																																																																																																																																																																												
JIMMI	N433814.40	W1162627.45																																																																																																																																																																																																																																																																												
NICPE	N434405.90	W1162453.08																																																																																																																																																																																																																																																																												
PARMO	N434532.78	W1164910.43																																																																																																																																																																																																																																																																												
RENOL	N432002.38	W1163454.24																																																																																																																																																																																																																																																																												
SITSE	N433549.46	W1161919.25																																																																																																																																																																																																																																																																												
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH																																																																																																																																																																																																																																																																										
RW10R	N433412.12	W1161433.42	02824	58																																																																																																																																																																																																																																																																										
CITY AND STATE BOISE, ID		ELEVATION: 2871 TDZE: 2836 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 10R, AMDT 2 10 DECEMBER 2015			QUALITY 4 CHECKED SUP: AMDT: 1B DATED: 09/18/2014																																																																																																																																																																																																																																																																					

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: RW28L CLIMB TO 6000 DIRECT JIMMI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000. ADDITIONAL FLIGHT DATA: HOLD W, RT, 099.97 INBOUND. CHART IN PLANVIEW: MAXIMUM HOLDING AIRSPEED 230 KIAS CHART FAS OBST: 3112 TANK 433227N/1160945W 4409 AAO 433033N/1160036W 3440 AAO 433030N/1160528W DISTANCE TO THLD FROM 325 HAT: 0.86 NM. CHART VDP AT 1.79 MILES TO RW28L* * LNAV ONLY. WAAS CHANNEL # 77702 REFERENCE PATH ID: W28A CHART CIRCLING ICON. LTP HAE: 854.4 M					
CANЕК		GONSE (FB)		339.52 / 5.01				7800							
GONSE (IAF)		NESLE (FB)		285.56 / 5.14				6800							
CELOR (IAF)		NESLE (FB)		294.21 / 5.89				6800							
LIITL (IAF)		YOGUC (FB)		258.11 / 5.27				7800							
YOGUC		NESLE (FB)		247.20 / 5.32				6800							
NESLE (IF)		AYDOK (FB)		290.01 / 5.39				5800							
AYDOK (FAF)		DUTME/6.00 NM TO RW28L (FB)		280.27 / 3.08											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT NESLE 3. FAC: 280.27 FAF: AYDOK DIST FAF TO MAP: 9.08 THLD: 9.08 4. MIN. ALT: NESLE 6800, AYDOK 5800, DUTME/6.00 NM TO RW28L 4800* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 5800 GS ALT AT: AYDOK 5800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR 8. MSA FROM: RW28L 9400										MAG VAR: 15E		EPOCH YEAR: 2005			
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @					
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3183	3000	325	3183	3000	325	3183	3000	325	3183	3000	325	3183	3000	325
LNAV/VNAV DA	3274	4500	416	3274	4500	416	3274	4500	416	3274	4500	416	3274	4500	416
LNAV MDA	3480	2400	622	3480	2400	622	3480	1 3/8	622	3480	1 3/8	622	3480	1 3/8	622
CIRCLING	3480	1	609	3480	1	609	3740	2 1/2	869	3820	3	949	3880	3	1009
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 52C (126F). @ CAT C 900-2 1/2, CAT D 1000-3, CAT E 1100-3 CHART NOTE: CIRCLING NA N OF RWY 10L-28R. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)															
CITY AND STATE BOISE, ID		ELEVATION: 2871 TDZE: 2858 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 28L, AMDT 5 10 DECEMBER 2015				SUP: 4 AMDT: 04 DATED 08/27/2009			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV - STANDARD					
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO		COURSE AND DISTANCE	
DUTME/6.00 NM TO RW28L		RW28L (MAP) (FO)		280.27 / 6.00	
RW28L (MAP)		3183 MSL		280.27	
3183 MSL		JIMMI (FO)		6000	
ALTITUDE					
NOTES, (CONT.):					
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CANEK ON V4-253-330 SOUTHEAST BOUND.					
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV VISIBILITY TO RVR 5000 ALL CATS, LNAV/VNAV CAT E TO 1 3/8, AND LNAV CAT C/D/E TO 1 3/4.					
CITY AND STATE		ELEVATION: 2871 TDZE: 2858		PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
BOISE, ID		AIRPORT NAME:		RNAV (GPS) Y RWY 28L, AMDT 5	
		BOISE AIR TERMINAL/GOWEN FLD		10 DECEMBER 2015	
		FACILITY IDENTIFIER:		SUP:	
		RNAV		4	
				AMDT: 4	
				DATED: 08/27/2009	

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBOI
RUNWAY	RW28L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	433331.1615N
LTP/FTP LONGITUDE	1161233.3940W
LTP/FTP ELLIPSOIDAL HEIGHT	+08544
FPAP LATITUDE	433409.0045N
FPAP LONGITUDE	1161424.3425W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 99CF025E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+08711
FPAP ORTHOMETRIC HEIGHT	+08711

CITY AND STATE
BOISE, ID

ELEVATION: 2871 TDZE: 2858
AIRPORT NAME:
BOISE AIR TERMINAL/GOWEN FLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 28L, AMDT 5
10 DECEMBER 2015

SUP:	QUALITY 4
AMDT:	CHECKED 4
DATED:	08/27/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																																																																																																																																																									
ARINC SUMMARY - KBOI ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>CANEK</td><td>010</td><td>CANEK</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td></tr> <tr><td>CANEK</td><td>020</td><td>GONSE</td><td>TF</td><td>FB</td><td>2.0</td><td>339.5</td><td></td><td></td><td></td><td></td><td></td><td>AA 07800</td><td></td><td>E A</td></tr> <tr><td>CANEK</td><td>030</td><td>NESLE</td><td>TF</td><td>FB</td><td>1.0</td><td>285.6</td><td></td><td></td><td></td><td></td><td></td><td>AA 06800</td><td></td><td>EE B</td></tr> <tr><td>CELOR</td><td>010</td><td>CELOR</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>CELOR</td><td>020</td><td>NESLE</td><td>TF</td><td>FB</td><td>1.0</td><td>294.2</td><td></td><td></td><td></td><td></td><td></td><td>AA 06800</td><td></td><td>EE B</td></tr> <tr><td>LIITL</td><td>010</td><td>LIITL</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>LIITL</td><td>020</td><td>YOGUC</td><td>TF</td><td>FB</td><td>1.0</td><td>258.1</td><td></td><td></td><td></td><td></td><td></td><td>AA 07800</td><td></td><td>E</td></tr> <tr><td>LIITL</td><td>030</td><td>NESLE</td><td>TF</td><td>FB</td><td>1.0</td><td>247.2</td><td></td><td></td><td></td><td></td><td></td><td>AA 06800</td><td></td><td>EE B</td></tr> <tr><td></td><td>010</td><td>NESLE</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 06800</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>AYDOK</td><td>TF</td><td>FB</td><td>0.5</td><td>290.0</td><td></td><td></td><td></td><td>RW28L</td><td></td><td>AA 05800</td><td></td><td>E F</td></tr> <tr><td></td><td>021</td><td>DUTME</td><td>TF</td><td>FB</td><td>0.3</td><td>280.3</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AA 04800 GS 04819</td><td></td><td>E S</td></tr> <tr><td></td><td>030</td><td>RW28L</td><td>TF</td><td>FO</td><td>0.3</td><td>280.3</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 02908</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>280.3</td><td></td><td></td><td></td><td></td><td></td><td>AA 03183</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>JIMMI</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 06000</td><td></td><td>EY</td></tr> <tr><td></td><td>060</td><td>JIMMI</td><td>HM</td><td>FO</td><td></td><td>100.0</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 06000</td><td>AB 230</td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">POINT NAME</th> <th style="text-align: left;">LATITUDE</th> <th style="text-align: left;">LONGITUDE</th> </tr> </thead> <tbody> <tr><td>AYDOK</td><td>N432939.13</td><td>W1160115.86</td></tr> <tr><td>CANEK</td><td>N431857.88</td><td>W1154828.06</td></tr> <tr><td>CELOR</td><td>N432250.14</td><td>W1154855.57</td></tr> <tr><td>DUTME</td><td>N433057.96</td><td>W1160505.51</td></tr> <tr><td>GONSE</td><td>N432357.05</td><td>W1154907.44</td></tr> <tr><td>JIMMI</td><td>N433814.40</td><td>W1162627.45</td></tr> <tr><td>LIITL</td><td>N432700.16</td><td>W1154044.24</td></tr> <tr><td>NESLE</td><td>N432633.55</td><td>W1155511.63</td></tr> <tr><td>YOGUC</td><td>N432717.09</td><td>W1154757.90</td></tr> </tbody> </table> RUNWAYS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">RUNWAY</th> <th style="text-align: left;">THRESHOLD LATITUDE</th> <th style="text-align: left;">THRESHOLD LONGITUDE</th> <th style="text-align: left;">THRESHOLD ELEVATION</th> <th style="text-align: left;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr> <td>RW28L</td> <td>N433331.16</td> <td>W1161233.39</td> <td>02858</td> <td>50.0</td> </tr> </tbody> </table>														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	CANEK	010	CANEK	IF	FB										E	CANEK	020	GONSE	TF	FB	2.0	339.5						AA 07800		E A	CANEK	030	NESLE	TF	FB	1.0	285.6						AA 06800		EE B	CELOR	010	CELOR	IF	FB										E A	CELOR	020	NESLE	TF	FB	1.0	294.2						AA 06800		EE B	LIITL	010	LIITL	IF	FB										E A	LIITL	020	YOGUC	TF	FB	1.0	258.1						AA 07800		E	LIITL	030	NESLE	TF	FB	1.0	247.2						AA 06800		EE B		010	NESLE	IF	FB								AA 06800		E I		020	AYDOK	TF	FB	0.5	290.0				RW28L		AA 05800		E F		021	DUTME	TF	FB	0.3	280.3		3.00				AA 04800 GS 04819		E S		030	RW28L	TF	FO	0.3	280.3		3.00				AT 02908		GY M		040		CA	FB		280.3						AA 03183		M		050	JIMMI	DF	FO								AA 06000		EY		060	JIMMI	HM	FO		100.0			R			AA 06000	AB 230	EE	POINT NAME	LATITUDE	LONGITUDE	AYDOK	N432939.13	W1160115.86	CANEK	N431857.88	W1154828.06	CELOR	N432250.14	W1154855.57	DUTME	N433057.96	W1160505.51	GONSE	N432357.05	W1154907.44	JIMMI	N433814.40	W1162627.45	LIITL	N432700.16	W1154044.24	NESLE	N432633.55	W1155511.63	YOGUC	N432717.09	W1154757.90	RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW28L	N433331.16	W1161233.39	02858	50.0
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																																																																																																																																																																																																																																																																																							
CANEK	010	CANEK	IF	FB										E																																																																																																																																																																																																																																																																																							
CANEK	020	GONSE	TF	FB	2.0	339.5						AA 07800		E A																																																																																																																																																																																																																																																																																							
CANEK	030	NESLE	TF	FB	1.0	285.6						AA 06800		EE B																																																																																																																																																																																																																																																																																							
CELOR	010	CELOR	IF	FB										E A																																																																																																																																																																																																																																																																																							
CELOR	020	NESLE	TF	FB	1.0	294.2						AA 06800		EE B																																																																																																																																																																																																																																																																																							
LIITL	010	LIITL	IF	FB										E A																																																																																																																																																																																																																																																																																							
LIITL	020	YOGUC	TF	FB	1.0	258.1						AA 07800		E																																																																																																																																																																																																																																																																																							
LIITL	030	NESLE	TF	FB	1.0	247.2						AA 06800		EE B																																																																																																																																																																																																																																																																																							
	010	NESLE	IF	FB								AA 06800		E I																																																																																																																																																																																																																																																																																							
	020	AYDOK	TF	FB	0.5	290.0				RW28L		AA 05800		E F																																																																																																																																																																																																																																																																																							
	021	DUTME	TF	FB	0.3	280.3		3.00				AA 04800 GS 04819		E S																																																																																																																																																																																																																																																																																							
	030	RW28L	TF	FO	0.3	280.3		3.00				AT 02908		GY M																																																																																																																																																																																																																																																																																							
	040		CA	FB		280.3						AA 03183		M																																																																																																																																																																																																																																																																																							
	050	JIMMI	DF	FO								AA 06000		EY																																																																																																																																																																																																																																																																																							
	060	JIMMI	HM	FO		100.0			R			AA 06000	AB 230	EE																																																																																																																																																																																																																																																																																							
POINT NAME	LATITUDE	LONGITUDE																																																																																																																																																																																																																																																																																																			
AYDOK	N432939.13	W1160115.86																																																																																																																																																																																																																																																																																																			
CANEK	N431857.88	W1154828.06																																																																																																																																																																																																																																																																																																			
CELOR	N432250.14	W1154855.57																																																																																																																																																																																																																																																																																																			
DUTME	N433057.96	W1160505.51																																																																																																																																																																																																																																																																																																			
GONSE	N432357.05	W1154907.44																																																																																																																																																																																																																																																																																																			
JIMMI	N433814.40	W1162627.45																																																																																																																																																																																																																																																																																																			
LIITL	N432700.16	W1154044.24																																																																																																																																																																																																																																																																																																			
NESLE	N432633.55	W1155511.63																																																																																																																																																																																																																																																																																																			
YOGUC	N432717.09	W1154757.90																																																																																																																																																																																																																																																																																																			
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH																																																																																																																																																																																																																																																																																																	
RW28L	N433331.16	W1161233.39	02858	50.0																																																																																																																																																																																																																																																																																																	
CITY AND STATE BOISE, ID		ELEVATION: 2871 TDZE: 2858 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 28L, AMDT 5 10 DECEMBER 2015		SUP: 4 AMDT: 4 DATED: 08/27/2009																																																																																																																																																																																																																																																																																													

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		LPV: DA LNAV/VNAV: DA LNAV: RW28R CLIMB TO 6000 DIRECT ATTOL AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000. ADDITIONAL FLIGHT DATA: HOLD W, RT, 099.97 INBOUND. FAS OBST: 3393 AAO 433131N/1160513W 3440 AAO 433030N/1160528W DISTANCE TO THLD FROM 250 HAT: 0.61 NM. CHART VDP AT 2.29 MILES TO RW28R* *LNAV ONLY. WAAS CHANNEL # 65803 REFERENCE PATH ID: W28B CHART CIRCLING ICON LTP HAE: 858.5 M					
CANЕК		GONSE (FB)		339.52 / 5.01				7800							
GONSE (IAF)		IRUSE (FB)		295.19 / 5.80				6800							
CELOR (IAF)		IRUSE (FB)		301.72 / 6.67				6800							
LIITL (IAF)		YOGUC (FB)		258.11 / 5.27				7800							
YOGUC		IRUSE (FB)		259.42 / 5.29				6800							
IRUSE (IF)		EMIME (FB)		280.36 / 2.00				6300							
EMIME		ZIXIP (FB)		280.32 / 2.00				6000		MAG VAR: 15E EPOCH YEAR: 2005					
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT IRUSE 3. FAC: 280.30 FAF: ZIXIP DIST FAF TO MAP: 9.65 THLD: 9.65 4. MIN. ALT: IRUSE 6800, EMIME 6300, ZIXIP 6000, WIDOP/6.20 NM TO RW28R 4900* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 6000 GS ALT AT: ZIXIP 6000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.3 34:1 IS CLEAR 8. MSA FROM: RW28R 9400															
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	3121	4000	250	3121	4000	250	3121	4000	250	3121	4000	250			
LNAV/VNAV DA	3199	5000	328	3199	5000	328	3199	5000	328	3199	5000	328			
LNAV MDA	3660	5500	789	3660	6000	789	3660	2 1/2	789	3660	2 1/2	789			
CIRCLING	3660	1	789	3660	1 1/4	789	3740	2 1/2	869	3820	3	949			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 52C @ CAT C 900-2 1/2, CAT D 1000-3 (126F). CHART NOTE: CIRCLING NA N OF RWY 10L-28R. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)															
CITY AND STATE BOISE, ID		ELEVATION: 2871 TDZE: 2871 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 28R, AMDT 6 10 DECEMBER 2015				SUP: 4 AMDT: 5 DATED 06/25/2015			

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZIXIP (FAF)	WIDOP/6.20 NM TO RW28R (FB)	280.30 / 3.45	
WIDOP/6.20 NM TO RW28R	RW28R (MAP) (FO)	280.30 / 6.20	
RW28R (MAP)	3121 MSL	280.30	
3121 MSL	ATTOL (FO)		6000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CANEK ON V4-253-330 SOUTHEAST BOUND.

CITY AND STATE
BOISE, ID

ELEVATION: 2871 TDZE: 2871
AIRPORT NAME:
BOISE AIR TERMINAL/GOWEN FLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 28R, AMDT 6
10 DECEMBER 2015

SUP: 4
AMDT: CHECKED
DATED: 06/25/2015

**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	KBOI
RUNWAY	RW28R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28B
LTP/FTP LATITUDE	433330.7950N
LTP/FTP LONGITUDE	1161209.9530W
LTP/FTP ELLIPSOIDAL HEIGHT	+08585
FPAP LATITUDE	433412.7590N
FPAP LONGITUDE	1161412.8795W
THRESHOLD CROSSING HEIGHT (TCH)	00055.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 C5037666

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+08752
FPAP ORTHOMETRIC HEIGHT	+08752

CITY AND STATE
BOISE, ID

ELEVATION: 2871 TDZE: 2871
AIRPORT NAME:
BOISE AIR TERMINAL/GOWEN FLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 28R, AMDT 6
10 DECEMBER 2015

SUP: 4
AMDT: 5
DATED: 06/25/2015

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 - KBOI ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>CANEK</td><td>010</td><td>CANEK</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td></tr> <tr><td>CANEK</td><td>020</td><td>GONSE</td><td>TF</td><td>FB</td><td>2.0</td><td>339.5</td><td></td><td></td><td></td><td></td><td></td><td>AA 07800</td><td></td><td>E A</td></tr> <tr><td>CANEK</td><td>030</td><td>IRUSE</td><td>TF</td><td>FB</td><td>1.0</td><td>295.2</td><td></td><td></td><td></td><td></td><td></td><td>AA 06800</td><td></td><td>EE B</td></tr> <tr><td>CELOR</td><td>010</td><td>CELOR</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>CELOR</td><td>020</td><td>IRUSE</td><td>TF</td><td>FB</td><td>1.0</td><td>301.7</td><td></td><td></td><td></td><td></td><td></td><td>AA 06800</td><td></td><td>EE B</td></tr> <tr><td>LIITL</td><td>010</td><td>LIITL</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>LIITL</td><td>020</td><td>YOGUC</td><td>TF</td><td>FB</td><td>1.0</td><td>258.1</td><td></td><td></td><td></td><td></td><td></td><td>AA 07800</td><td></td><td>E</td></tr> <tr><td>LIITL</td><td>030</td><td>IRUSE</td><td>TF</td><td>FB</td><td>1.0</td><td>259.4</td><td></td><td></td><td></td><td></td><td></td><td>AA 06800</td><td></td><td>EE B</td></tr> <tr><td></td><td>010</td><td>IRUSE</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 06800</td><td></td><td>E I</td></tr> <tr><td></td><td>011</td><td>EMIME</td><td>TF</td><td>FB</td><td>0.5</td><td>280.4</td><td></td><td></td><td></td><td></td><td></td><td>AA 06300</td><td></td><td>E</td></tr> <tr><td></td><td>020</td><td>ZIXIP</td><td>TF</td><td>FB</td><td>0.5</td><td>280.3</td><td></td><td></td><td></td><td>RW28R</td><td></td><td>AA 06000</td><td></td><td>E F</td></tr> <tr><td></td><td>021</td><td>WIDOP</td><td>TF</td><td>FB</td><td>0.3</td><td>280.3</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AA 04900 GS 04901</td><td></td><td>E S</td></tr> <tr><td></td><td>030</td><td>RW28R</td><td>TF</td><td>FO</td><td>0.3</td><td>280.3</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 02927</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>280.3</td><td></td><td></td><td></td><td></td><td></td><td>AA 03121</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>ATTOL</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 06000</td><td></td><td>EY</td></tr> <tr><td></td><td>060</td><td>ATTOL</td><td>HM</td><td>FO</td><td></td><td>100.0</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 06000</td><td></td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">POINT NAME</th> <th style="text-align: left;">LATITUDE</th> <th style="text-align: left;">LONGITUDE</th> </tr> </thead> <tbody> <tr><td>ATTOL</td><td>N433857.31</td><td>W1162810.86</td></tr> <tr><td>CANEK</td><td>N431857.88</td><td>W1154828.06</td></tr> <tr><td>CELOR</td><td>N432250.14</td><td>W1154855.57</td></tr> <tr><td>EMIME</td><td>N432832.69</td><td>W1155741.08</td></tr> <tr><td>GONSE</td><td>N432357.05</td><td>W1154907.44</td></tr> <tr><td>IRUSE</td><td>N432741.31</td><td>W1155512.15</td></tr> <tr><td>LIITL</td><td>N432700.16</td><td>W1154044.24</td></tr> <tr><td>WIDOP</td><td>N433052.36</td><td>W1160427.22</td></tr> <tr><td>YOGUC</td><td>N432717.09</td><td>W1154757.90</td></tr> <tr><td>ZIXIP</td><td>N432923.99</td><td>W1160010.09</td></tr> </tbody> </table> RUNWAYS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">RUNWAY</th> <th style="text-align: left;">THRESHOLD LATITUDE</th> <th style="text-align: left;">THRESHOLD LONGITUDE</th> <th style="text-align: left;">THRESHOLD ELEVATION</th> <th style="text-align: left;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr> <td>RW28R</td> <td>N433330.80</td> <td>W1161209.95</td> <td>02871</td> <td>55.3</td> </tr> </tbody> </table>															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	CANEK	010	CANEK	IF	FB										E	CANEK	020	GONSE	TF	FB	2.0	339.5						AA 07800		E A	CANEK	030	IRUSE	TF	FB	1.0	295.2						AA 06800		EE B	CELOR	010	CELOR	IF	FB										E A	CELOR	020	IRUSE	TF	FB	1.0	301.7						AA 06800		EE B	LIITL	010	LIITL	IF	FB										E A	LIITL	020	YOGUC	TF	FB	1.0	258.1						AA 07800		E	LIITL	030	IRUSE	TF	FB	1.0	259.4						AA 06800		EE B		010	IRUSE	IF	FB								AA 06800		E I		011	EMIME	TF	FB	0.5	280.4						AA 06300		E		020	ZIXIP	TF	FB	0.5	280.3				RW28R		AA 06000		E F		021	WIDOP	TF	FB	0.3	280.3		3.00				AA 04900 GS 04901		E S		030	RW28R	TF	FO	0.3	280.3		3.00				AT 02927		GY M		040		CA	FB		280.3						AA 03121		M		050	ATTOL	DF	FO								AA 06000		EY		060	ATTOL	HM	FO		100.0			R			AA 06000		EE	POINT NAME	LATITUDE	LONGITUDE	ATTOL	N433857.31	W1162810.86	CANEK	N431857.88	W1154828.06	CELOR	N432250.14	W1154855.57	EMIME	N432832.69	W1155741.08	GONSE	N432357.05	W1154907.44	IRUSE	N432741.31	W1155512.15	LIITL	N432700.16	W1154044.24	WIDOP	N433052.36	W1160427.22	YOGUC	N432717.09	W1154757.90	ZIXIP	N432923.99	W1160010.09	RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW28R	N433330.80	W1161209.95	02871	55.3
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																																																																																																																																																																																																																																																																																																										
CANEK	010	CANEK	IF	FB										E																																																																																																																																																																																																																																																																																																										
CANEK	020	GONSE	TF	FB	2.0	339.5						AA 07800		E A																																																																																																																																																																																																																																																																																																										
CANEK	030	IRUSE	TF	FB	1.0	295.2						AA 06800		EE B																																																																																																																																																																																																																																																																																																										
CELOR	010	CELOR	IF	FB										E A																																																																																																																																																																																																																																																																																																										
CELOR	020	IRUSE	TF	FB	1.0	301.7						AA 06800		EE B																																																																																																																																																																																																																																																																																																										
LIITL	010	LIITL	IF	FB										E A																																																																																																																																																																																																																																																																																																										
LIITL	020	YOGUC	TF	FB	1.0	258.1						AA 07800		E																																																																																																																																																																																																																																																																																																										
LIITL	030	IRUSE	TF	FB	1.0	259.4						AA 06800		EE B																																																																																																																																																																																																																																																																																																										
	010	IRUSE	IF	FB								AA 06800		E I																																																																																																																																																																																																																																																																																																										
	011	EMIME	TF	FB	0.5	280.4						AA 06300		E																																																																																																																																																																																																																																																																																																										
	020	ZIXIP	TF	FB	0.5	280.3				RW28R		AA 06000		E F																																																																																																																																																																																																																																																																																																										
	021	WIDOP	TF	FB	0.3	280.3		3.00				AA 04900 GS 04901		E S																																																																																																																																																																																																																																																																																																										
	030	RW28R	TF	FO	0.3	280.3		3.00				AT 02927		GY M																																																																																																																																																																																																																																																																																																										
	040		CA	FB		280.3						AA 03121		M																																																																																																																																																																																																																																																																																																										
	050	ATTOL	DF	FO								AA 06000		EY																																																																																																																																																																																																																																																																																																										
	060	ATTOL	HM	FO		100.0			R			AA 06000		EE																																																																																																																																																																																																																																																																																																										
POINT NAME	LATITUDE	LONGITUDE																																																																																																																																																																																																																																																																																																																						
ATTOL	N433857.31	W1162810.86																																																																																																																																																																																																																																																																																																																						
CANEK	N431857.88	W1154828.06																																																																																																																																																																																																																																																																																																																						
CELOR	N432250.14	W1154855.57																																																																																																																																																																																																																																																																																																																						
EMIME	N432832.69	W1155741.08																																																																																																																																																																																																																																																																																																																						
GONSE	N432357.05	W1154907.44																																																																																																																																																																																																																																																																																																																						
IRUSE	N432741.31	W1155512.15																																																																																																																																																																																																																																																																																																																						
LIITL	N432700.16	W1154044.24																																																																																																																																																																																																																																																																																																																						
WIDOP	N433052.36	W1160427.22																																																																																																																																																																																																																																																																																																																						
YOGUC	N432717.09	W1154757.90																																																																																																																																																																																																																																																																																																																						
ZIXIP	N432923.99	W1160010.09																																																																																																																																																																																																																																																																																																																						
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH																																																																																																																																																																																																																																																																																																																				
RW28R	N433330.80	W1161209.95	02871	55.3																																																																																																																																																																																																																																																																																																																				
CITY AND STATE BOISE, ID					ELEVATION: 2871 TDZE: 2871 AIRPORT NAME: BOISE AIR TERMINAL/GOWEN FLD			FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 28R, AMDT 6 10 DECEMBER 2015			SUP: 4																																																																																																																																																																																																																																																																																																											
								AMDT: 5																																																																																																																																																																																																																																																																																																																
								DATED: 06/25/2015																																																																																																																																																																																																																																																																																																																

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 10 DECEMBER 2015																																			
CITY AND STATE CHICAGO/WEST CHICAGO, IL				ELEVATION: 759 TDZE: 756 AIRPORT NAME:				FACILITY IDENTIFIER: DPA				PROCEDURE NO./AMDТ NO./EFFECTIVE DATE: VOR RWY 10, AMDT 12C, 06/25/2015				SUP 4 AMDТ 12C DATE 05/30/2013																			
				DUPAGE																															

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 10 DECEMBER 2015																			
CITY AND STATE ELKHART, IN				ELEVATION: 778 TDZE: 777 AIRPORT NAME: ELKHART MUNI				FACILITY IDENTIFIER: GSH				PROCEDURE NO./AMDТ NO./EFFECTIVE DATE: VOR/DME RWY 36, AMDT 4A, 06/05/2008						SUP AMDТ 4 DATE 07/07/2005	



RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						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: RW02 CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 2800 DIRECT KILPY AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 778 TOWER 413507N/0872605W DISTANCE TO THLD FROM 310 HAT: 0.79 NM. WAAS CHANNEL # 69338 REFERENCE PATH ID: W02A CHART CIRCLING ICON. LTP HAE: 146 M *LNAV ONLY									
ERACK (IAF)			KILPY (NOPT) (FB)			293.31 / 8.00			2800												
TREYY (IAF)			KILPY (NOPT) (FB)			112.89 / 8.00			2800												
KILPY (IF/IAF)			CORPI (FB)			023.11 / 8.00			2300												
CORPI (FAF)			DEASH/2.00 NM TO RW02 (FB)			023.15 / 3.18															
DEASH/2.00 NM TO RW02			RW02 (MAP) (FO)			023.15 / 2.00															
RW02 (MAP)			2000 MSL			023.15			2000												
2000 MSL			KILPY (FO)						2800												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW KILPY, RT, 023.11 INBOUND, 2800 FT. IN LIEU OF PT (IAF) 3. FAC: 023.15 FAF: CORPI DIST FAF TO MAP: 5.18 THLD: 5.18 4. MIN. ALT: KILPY 2800, CORPI 2300, DEASH/2.00 NM TO RW02 1280* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2300 GS ALT AT: CORPI 2300 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 60.0 34:1 IS NOT CLEAR 8. MSA FROM: RW02 3400																		MAG VAR: 2W		EPOCH YEAR: 1990	
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @									
CATEGORY =====>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
LPV DA	901	1	310	901	1	310	901	1	310	901	1	310									
LNAV/VNAV DA	931	1 1/8	340	931	1 1/8	340	931	1 1/8	340	931	1 1/8	340									
LNAV MDA	1040	1	449	1040	1	449	1040	1 3/8	449	1040	1 3/8	449									
CIRCLING	1140	1	543	1180	1	583	1400	2 1/4	803	1420	2 3/4	823									
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PLANVIEW NOTE: RADAR REQUIRED. (CONTINUED ON PAGE 2)																					
CITY AND STATE GARY, IN				ELEVATION: 597 TDZE: 591 AIRPORT NAME: GARY/CHICAGO INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 10 DECEMBER 2015				SUP: 4 AMDT: NONE DATED:							

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

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

NOTES, (CONT.):
CHART PROFILE NOTE: VGSi AND RNAV GLIDE PATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHICAGO MIDWAY INTL ALTIMETER SETTING
AND INCREASE LPV DA TO 947 FEET, LNAV/VNAV DA TO 977 FEET, ALL MDA 60 FEET; INCREASE LPV AND
LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE, AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.
CHART NOTE: BARO-VNAV NA WHEN USING CHICAGO MIDWAY INTL ALTIMETER SETTING.

CITY AND STATE
GARY, IN

ELEVATION: 597 TDZE: 591
AIRPORT NAME:
GARY/CHICAGO INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 2, ORIG
10 DECEMBER 2015

SUP: 4
AMDT: NONE
DATED:



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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGYG
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	413644.2160N
LTP/FTP LONGITUDE	0872506.2965W
LTP/FTP ELLIPSOIDAL HEIGHT	+01460
FPAP LATITUDE	413807.3555N
FPAP LONGITUDE	0872423.3655W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 2BDE3F21

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01796
FPAP ORTHOMETRIC HEIGHT	+01796

CITY AND STATE

GARY, IN

ELEVATION: 597

TDZE: 591

AIRPORT NAME:

GARY/CHICAGO INTL

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, ORIG

10 DECEMBER 2015

SUP:

4

AMDT:

NONE

DATED:

 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 - KGYG ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>ERACK</td><td>010</td><td>ERACK</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>ERACK</td><td>020</td><td>KILPY</td><td>TF</td><td>FB</td><td>1.0</td><td>293.3</td><td></td><td></td><td></td><td></td><td></td><td>AA 02800</td><td></td><td>EE B</td></tr> <tr><td>KILPY</td><td>010</td><td>KILPY</td><td>HF</td><td>FO</td><td></td><td>023.1</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 02800</td><td></td><td>EE A</td></tr> <tr><td>TREYY</td><td>010</td><td>TREYY</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>TREYY</td><td>020</td><td>KILPY</td><td>TF</td><td>FB</td><td>1.0</td><td>112.9</td><td></td><td></td><td></td><td></td><td></td><td>AA 02800</td><td></td><td>EE B</td></tr> <tr><td></td><td>010</td><td>KILPY</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 02800</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>CORPI</td><td>TF</td><td>FB</td><td>0.5</td><td>023.1</td><td></td><td></td><td></td><td>RW02</td><td></td><td>AA 02300</td><td></td><td>E F</td></tr> <tr><td></td><td>021</td><td>DEASH</td><td>TF</td><td>FB</td><td>0.3</td><td>023.2</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AA 01280 GS 01286</td><td></td><td>E S</td></tr> <tr><td></td><td>030</td><td>RW02</td><td>TF</td><td>FO</td><td>0.3</td><td>023.2</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 00649</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>023.2</td><td></td><td></td><td></td><td></td><td></td><td>AA 02000</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>KILPY</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td></td><td>R</td><td></td><td></td><td>AA 02800</td><td></td><td>EY</td></tr> <tr><td></td><td>060</td><td>KILPY</td><td>HM</td><td>FO</td><td></td><td>023.1</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 02800</td><td></td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">POINT NAME</th> <th style="text-align: left;">LATITUDE</th> <th style="text-align: left;">LONGITUDE</th> </tr> </thead> <tbody> <tr><td>CORPI</td><td>N413154.01</td><td>W0872735.93</td></tr> <tr><td>DEASH</td><td>N413452.26</td><td>W0872604.07</td></tr> <tr><td>ERACK</td><td>N412132.28</td><td>W0872132.01</td></tr> <tr><td>KILPY</td><td>N412426.29</td><td>W0873126.00</td></tr> <tr><td>TREYY</td><td>N412717.88</td><td>W0874121.66</td></tr> </tbody> </table> RUNWAYS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">RUNWAY</th> <th style="text-align: left;">THRESHOLD LATITUDE</th> <th style="text-align: left;">THRESHOLD LONGITUDE</th> <th style="text-align: left;">THRESHOLD ELEVATION</th> <th style="text-align: left;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr> <td>RW02</td> <td>N413644.22</td> <td>W0872506.30</td> <td>00589</td> <td>60</td> </tr> </tbody> </table>															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	ERACK	010	ERACK	IF	FB										E A	ERACK	020	KILPY	TF	FB	1.0	293.3						AA 02800		EE B	KILPY	010	KILPY	HF	FO		023.1			R			AA 02800		EE A	TREYY	010	TREYY	IF	FB										E A	TREYY	020	KILPY	TF	FB	1.0	112.9						AA 02800		EE B		010	KILPY	IF	FB								AA 02800		E I		020	CORPI	TF	FB	0.5	023.1				RW02		AA 02300		E F		021	DEASH	TF	FB	0.3	023.2		3.00				AA 01280 GS 01286		E S		030	RW02	TF	FO	0.3	023.2		3.00				AT 00649		GY M		040		CA	FB		023.2						AA 02000		M		050	KILPY	DF	FO					R			AA 02800		EY		060	KILPY	HM	FO		023.1			R			AA 02800		EE	POINT NAME	LATITUDE	LONGITUDE	CORPI	N413154.01	W0872735.93	DEASH	N413452.26	W0872604.07	ERACK	N412132.28	W0872132.01	KILPY	N412426.29	W0873126.00	TREYY	N412717.88	W0874121.66	RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW02	N413644.22	W0872506.30	00589	60
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																																																																																																																																																																																																																															
ERACK	010	ERACK	IF	FB										E A																																																																																																																																																																																																																															
ERACK	020	KILPY	TF	FB	1.0	293.3						AA 02800		EE B																																																																																																																																																																																																																															
KILPY	010	KILPY	HF	FO		023.1			R			AA 02800		EE A																																																																																																																																																																																																																															
TREYY	010	TREYY	IF	FB										E A																																																																																																																																																																																																																															
TREYY	020	KILPY	TF	FB	1.0	112.9						AA 02800		EE B																																																																																																																																																																																																																															
	010	KILPY	IF	FB								AA 02800		E I																																																																																																																																																																																																																															
	020	CORPI	TF	FB	0.5	023.1				RW02		AA 02300		E F																																																																																																																																																																																																																															
	021	DEASH	TF	FB	0.3	023.2		3.00				AA 01280 GS 01286		E S																																																																																																																																																																																																																															
	030	RW02	TF	FO	0.3	023.2		3.00				AT 00649		GY M																																																																																																																																																																																																																															
	040		CA	FB		023.2						AA 02000		M																																																																																																																																																																																																																															
	050	KILPY	DF	FO					R			AA 02800		EY																																																																																																																																																																																																																															
	060	KILPY	HM	FO		023.1			R			AA 02800		EE																																																																																																																																																																																																																															
POINT NAME	LATITUDE	LONGITUDE																																																																																																																																																																																																																																											
CORPI	N413154.01	W0872735.93																																																																																																																																																																																																																																											
DEASH	N413452.26	W0872604.07																																																																																																																																																																																																																																											
ERACK	N412132.28	W0872132.01																																																																																																																																																																																																																																											
KILPY	N412426.29	W0873126.00																																																																																																																																																																																																																																											
TREYY	N412717.88	W0874121.66																																																																																																																																																																																																																																											
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH																																																																																																																																																																																																																																									
RW02	N413644.22	W0872506.30	00589	60																																																																																																																																																																																																																																									
CITY AND STATE GARY, IN		ELEVATION: 597 TDZE: 591 AIRPORT NAME: GARY/CHICAGO INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 2, ORIG 10 DECEMBER 2015			SUP: QUALITY AMDT: 4 NONE DATED: CHECKED																																																																																																																																																																																																																																				

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE				ALTITUDE			ADDITIONAL FLIGHT DATA:						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: _____ EPOCH YEAR: _____									
2. _____																			
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____																			
4. MIN. ALT _____																			
8. MSA FROM: _____																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>		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 10 DECEMBER 2015																			
CITY AND STATE GARY, IN		ELEVATION: 592 TDZE: 591 AIRPORT NAME: GARY/CHICAGO INTL				FACILITY IDENTIFIER: CGT		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR/DME OR GPS RWY 2, AMDT 7, 01/25/2001						SUP AMD'T DATE					

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.
WABASH, IN	WABASH MUNI	10 DECEMBER 2015	ORIG

TAKEOFF MINIMUMS:

RWY 9, 18, 27, 36: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9: TREES BEGINNING 194 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 110 FEET AGL/910 FEET MSL.
NOTE: RWY 18: TREES BEGINNING 310 FEET FROM DER, 128 FEET LEFT OF CENTERLINE, UP TO 83 FEET AGL/873 FEET MSL.
NOTE: RWY 27: POLES AND POWERLINE BEGINNING 484 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 44 FEET AGL/840 FEET MSL. VEHICLES ON ROAD BEGINNING 502 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FEET AGL/813 FEET MSL. TREE 517 FEET FROM DER, 618 FEET LEFT OF CENTERLINE, 77 FEET AGL/871 FEET MSL. TREES BEGINNING 624 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 64 FEET AGL/855 FEET MSL. POLES AND POWERLINE BEGINNING 1613 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 48 FEET AGL/853 FEET MSL.
NOTE: RWY 36: BUILDINGS BEGINNING 31 FEET FROM DER, 272 FEET LEFT OF CENTERLINE, UP TO 25 FEET AGL/815 FEET MSL. TREES BEGINNING 459 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 70 FEET AGL/876 FEET MSL. VEHICLES ON ROAD 469 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FEET AGL/804 FEET MSL.

CONTROLLING OBSTACLES:



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.
WABASH, IN	WABASH MUNI	10 DECEMBER 2015	ORIG

REMARKS:

FLIGHT INSPECTED BY:

JAMES HAWLEY

FICO

Digitally signed by

JACOB POWERS

Oct 01, 2015

09/26/2015

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JACOB POWERS
(JEFFREY ROBINSON)

AJV-5421

Digitally signed by

JACOB POWERS

Oct 01, 2015

08/17/2015

APPROVED BY:

GEORGE GONZALEZ

AJV-5420

Digitally signed by

JACOB POWERS

Oct 01, 2015

COORDINATED WITH:

AOPA, NBAA, ZAU, GRISSOM APP CON, APT MGR

CHANGES:

ORIGINAL PROCEDURE

REASONS:



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE				ALTITUDE		MAP: 5.06 MILES AFTER KALEY INT/OKK 13.00 DME OR AT ZUBEN/OKK 18.06 DME FIX							
OKK VORTAC (IF/IAF)			KALEY INT/OKK 13.00 DME			040.07 / 13.00				2400		CLIMB TO 2400 THEN RIGHT TURN ON OKK VORTAC R-040 TO KALEY INT/OKK 13.00 DME AND HOLD.							
										ADDITIONAL FLIGHT DATA: HOLD SW, RT, 040.07 INBOUND. FAS OBST: 1019 AAO 404204N/0855046W FAC CROSSES MID POINT OF RWY 9-27. CHART KOKOMO AWOS-3 CHART CIRCLING ICON									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																			
2. HOLD SW OKK VORTAC, RT, 040.07 INBOUND, 2400 FT. IN LIEU OF PT (IAF)																			
3. FAC 040.07 FAF KALEY INT/OKK 13.00 DME										DIST FAF TO MAP 5.06 THLD _____									
4. MIN. ALT OKK VORTAC 2400, KALEY 2400																			
8. MSA FROM: OKK VORTAC 2900										MAG VAR: 0E EPOCH YEAR: 1970									
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A X _____									
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
CIRCLING	1320	1	524	1440	1	644	1560	2 1/4	764		NA								
NOTES:																			
CHART NOTE: USE KOKOMO ALTIMETER SETTING; WHEN NOT RECEIVED, USE MARION ALTIMETER SETTING.																			
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON OKK VORTAC AIRWAY RADIALS 182 CW 199.																			
CHART NOTE: NIGHT LANDING RWYS 18, 36 NA.																			
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																			
CITY AND STATE				ELEVATION: 796			TDZE:			FACILITY IDENTIFIER:			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR OR GPS-A		
WABASH, IN										OKK			VOR-A, AMDT 11 10 DECEMBER 2015				AMDT 10		
				WABASH MUNI													DATE 02/02/1995		



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: 5.25 MILES AFTER MAINA INT/I-PWM 6.60 DME OR AT I-PWM 1.35 DME FIX CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT ENE VOR/DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 320 AND I-PWM LOCALIZER W COURSE (290) TO BUXTO INT/I-PWM 10.61 DME/RADAR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 262.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W BUXTO INT/I-PWM 10.61 DME/RADAR, RT, 110.30 INBOUND. CHART FAS OBST: 181 TREE 433839N/0702044W 459 AAO 433918N/0702746W. CHART 245 TREE 433847N/0702229W. CHART VDP AT 2.58 DME* DISTANCE VDP TO THLD 1.23 MILES. *LOC ONLY. CHART CIRCLING ICON. CHART MINIMUM 2300 AT BUXTO.							
CON VORTAC		HIKOD INT/CON 33.00 DME		066.74 / 33.00		4100									
HIKOD INT/CON 33.00 DME		PARSO INT/I-PWM 20.99 DME		066.74 / 11.39 (CON R-067)		3500									
LIMER INT/I-PWM 26.92 DME		PARSO INT/I-PWM 20.99 DME		110.30 / 5.93 (I-PWM)		3500									
ENE VOR/DME		BUXTO INT/I-PWM 10.61 DME/RADAR		030.21 / 14.44		2300									
PARSO INT/I-PWM 20.99 DME (IAF)		AIMME INT/I-PWM 16.26 DME (NOPT)		110.30 / 4.72 (I-PWM)		3500									
AIMME INT/I-PWM 16.26 DME		BUXTO INT/I-PWM 10.61 DME/RADAR		110.30 / 5.65 (I-PWM)		2300									
BUXTO INT/I-PWM 10.61 DME/RADAR (IF/IAF)		MAINA INT/I-PWM 6.60 DME		110.30 / 4.01 (I-PWM)		1800									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W BUXTO, RT, 110.30 INBOUND, 2300 FT. IN LIEU OF PT (IAF) 3. FAC: 110.30 FAF: MAINA INT/I-PWM 6.60 DME DIST FAF TO MAP: 5.25 THLD: 5.25 4. MIN. ALT: BUXTO 2300, MAINA 1800, FINUS/I-PWM 3.15 DME 700* 5. DIST TO THLD FROM OM: - MM: - IM: 953 150 HAT: 1887 100 HAT: 932 GS ANT: 1073 6. MIN GS INCPT: 1800 GS ALT AT: MAINA 1800 OM: - MM: - IM: 177 7. GS ANGLE: 3.00 TCH: 51.4 8. MSA FROM: ENE VOR/DME 055-235 1900, 235-325 3100, 325-055 3600								MAG VAR: 15W EPOCH YEAR: 2020							
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		ILS: #		LOC: STANDARD @			
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 11	276	1800	200	276	1800	200	276	1800	200	276	1800	200			
S-LOC 11	700	2400	624	700	2400	624	700	1 3/8	624	700	1 3/8	624			
CIRCLING	700	1	624	700	1	624	740	1 3/4	664	860	2 1/2	784			
FINUS FIX MINIMUMS															
S-LOC 11	440	2400	364	440	2400	364	440	3500	364	440	3500	364			
CIRCLING	620	1	544	620	1	544	740	1 3/4	664	860	2 1/2	784			
NOTES: SA CATEGORY I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 11: CAT A, B, C, D, RA 166, RVR 1400, HAT 150, DA 226 MSL. CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 11: CAT A, B, C, D, RA 108, RVR 1200, HAT 100, DA 176 MSL. (CONTINUED ON PAGE 2)															
CITY AND STATE PORTLAND, ME		ELEVATION: 76 TDZE: 76 AIRPORT NAME: PORTLAND INTL JETPORT		FACILITY IDENTIFIER: I-PWM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 11, AMDT 4, ILS RWY 11 (SA CAT I), ILS RWY 11 (CAT II) ILS RWY 11 (CAT III) 12/10/2015						SUP: AMDT: 4 DATED 05/31/2012		QUALITY 4 CHECKED	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
ILS - STANDARD				
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29				
NOTES, (CONT.): <u>CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS- 11: CAT III CAT A,B,C,D, RVR 600.</u> SA CAT I CHART NOTE: PROCEDURE NA WHEN CONTROL TOWER CLOSED. CAT II CHART NOTE: PROCEDURE NA WHEN CONTROL TOWER CLOSED. CAT III CHART NOTE: PROCEDURE NA WHEN CONTROL TOWER CLOSED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ENE VOR/DME ON V93 SOUTHWEST BOUND. CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE S-LOC 11 CAT C/D VISIBILITY TO 1 3/4 MILE. INCREASE FINUS FIX MINIMUS S-LOC 11 CAT C/D VISIBILITY TO RVR 5500. SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.				
CITY AND STATE PORTLAND, ME	ELEVATION: 76	TDZE: 76	FACILITY IDENTIFIER: I-PWM	SUP: 4
	AIRPORT NAME:			AMDT: 3
	PORTLAND INTL JETPORT			DATED: 05/31/2012
			PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 11, AMDT 4 ILS RWY 11 (SA CAT I), ILS RWY 11 (CAT II), ILS RWY 11 (CAT III) 12/10/2015	

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 - KPWM

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
CON	010	CON	IF	FB										V
CON	020	HIKOD	TF	FB								AA 04100		E
CON	030	PARSO	TF	FB								AA 03500		E A
CON	040	AIMME	TF	FB								AA 03500		E
CON	050	BUXTO	CF	FB		110.3	IPWM					AA 02300		EE B
ENE	010	ENE	IF	FB										V
ENE	020	BUXTO	TF	FO								AA 02300		EY
ENE	030	BUXTO	HF	FO		110.3	IPWM		R			AA 02300		EE A
LIMER	010	LIMER	IF	FB										E
LIMER	020	PARSO	TF	FB								AA 03500		E A
LIMER	030	AIMME	TF	FB								AA 03500		E
LIMER	040	BUXTO	CF	FB		110.3	IPWM					AA 02300		EE B
	010	BUXTO	IF	FB			IPWM					AA 02300 GI 01800		E I
	020	MAINA	CF	FB		110.0	IPWM	3.00		ENE		GI 01800 GS 01800		E F
	030	RW11	CF	FO		110.0	IPWM	3.00				AT 00127		GY M
	040		CA	FB		110.3						AA 00600		M
	050	ENE	DF	FO					R			AA 03000		VY
	060	ENE	HM	FO		262.0			L			AA 03000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CON	N431311.23	W0713431.63
ENE	N432532.42	W0703648.69
IPWM (DME)	N433834.85	W0701743.12
LIMER	N434101.40	W0705438.77
PARSO	N434030.75	W0704630.28
AIMME	N434005.92	W0704001.36
BUXTO	N433935.72	W0703215.97
HIKOD	N433331.95	W0705853.49
MAINA	N433913.99	W0702646.17
IPWM (LOC)	N433837.59	W0701742.65

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH

QUALITY
15
CHECKED

CITY AND STATE PORTLAND, ME	ELEVATION: 76 TDZE: 76 AIRPORT NAME: PORTLAND INTL JETPORT	FACILITY IDENTIFIER: I-PWM	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 11, AMDT 4 ILS RWY 11 (SA CAT I), ILS RWY 11 (CAT II) ILS RWY 11 (CAT III) 12/10/2015	SUP:
				AMDT: 3
				DATED: 05/31/2012

RW11	N433845.10	W0701933.87	00076	51.4
------	------------	-------------	-------	------



CITY AND STATE PORTLAND, ME	ELEVATION: 76	TDZE: 76	FACILITY IDENTIFIER: I-PWM	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 11, AMDT 4 ILS RWY 11 (SA CAT I), ILS RWY 11 (CAT II) ILS RWY 11 (CAT III) 12/10/2015	SUP:
	AIRPORT NAME: PORTLAND INTL JETPORT	AMDT: 3			
	DATED: 05/31/2012				

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 - KPWM

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
CON	010	CON	IF	FB										V
CON	020	HIKOD	TF	FB								AA 04100		E
CON	030	PARSO	TF	FB								AA 03500		E A
CON	040	AIMME	TF	FB								AA 03500		E
CON	050	BUXTO	CF	FB		110.3	IPWM					AA 02300		EE B
ENE	010	ENE	IF	FB										V
ENE	020	BUXTO	TF	FO								AA 02300		EY
ENE	030	BUXTO	HF	FO		110.3	IPWM		R			AA 02300		EE A
LIMER	010	LIMER	IF	FB										E
LIMER	020	PARSO	TF	FB								AA 03500		E A
LIMER	030	AIMME	TF	FB								AA 03500		E
LIMER	040	BUXTO	CF	FB		110.3	IPWM					AA 02300		EE B
	010	BUXTO	IF	FB			IPWM					AA 02300		E I
	020	MAINA	CF	FB		110.0	IPWM			ENE		AA 01800		E F
	021	FINUS	CF	FB		110.0	IPWM	3.01				AA 00700		E S
	030	RW11	CF	FO		110.0	IPWM	3.01				AT 00127		GY M
	040		CA	FB		110.3						AA 00600		M
	050	ENE	DF	FO					R			AA 03000		VY
	060	ENE	HM	FO		262.0			L			AA 03000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CON	N431311.23	W0713431.63
ENE	N432532.42	W0703648.69
IPWM (DME)	N433834.85	W0701743.12
LIMER	N434101.40	W0705438.77
PARSO	N434030.75	W0704630.28
AIMME	N434005.92	W0704001.36
BUXTO	N433935.72	W0703215.97
FINUS	N433855.05	W0702201.98
HIKOD	N433331.95	W0705853.49
MAINA	N433913.99	W0702646.17
IPWM (LOC)	N433837.59	W0701742.65

RUNWAYS

QUALITY
15
CHECKED

CITY AND STATE PORTLAND, ME	ELEVATION: 76 TDZE: 76 AIRPORT NAME: PORTLAND INTL JETPORT	FACILITY IDENTIFIER: I-PWM	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 11, AMDT 4 ILS RWY 11 (SA CAT I), ILS RWY 11 (CAT II) ILS RWY 11 (CAT III) 12/10/2015	SUP:
				AMDT: 3
				DATED: 05/31/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
LOC STANDARD INSTRUMENT APPROACH PROCEDURE					
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.25					
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	
RW11	N433845.10	W0701933.87	00076	51.4	
CITY AND STATE PORTLAND, ME		ELEVATION: 76 AIRPORT NAME: PORTLAND INTL JETPORT	TDZE: 76 FACILITY IDENTIFIER: I-PWM	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 11, AMDT 4 ILS RWY 11 (SA CAT I), ILS RWY 11 (CAT II) ILS RWY 11 (CAT III) 12/10/2015	
				SUP:	
				AMDT: 3	
				DATED: 05/31/2012	



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.												
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION																
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW11 CLIMB TO 3000 DIRECT SAPPE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 290.49 INBOUND. CHART FAS OBST: 255 STACK 433921N/0702002W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. WAAS CHANNEL # 70306 REFERENCE PATH ID: W11A CHART CIRCLING ICON. LTP HAE: -3.2 M					
SERPA		DALYB (FB)			174.36 / 8.06				3500							
LIMER		AIMME (FB)			109.89 / 10.65				3500							
ENE VOR/DME		IPKAH (FB)			015.00 / 11.38				2600							
DALYB (IAF)		BUXTO (NOPT) (FB)			154.96 / 4.25				2300							
AIMME (IAF)		BUXTO (NOPT) (FB)			110.06 / 5.65				2300							
IPKAH (IAF)		BUXTO (NOPT) (FB)			065.95 / 4.25				2300							
BUXTO (IF/IAF)		MAINA (FB)			110.15 / 4.01				1800							
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W BUXTO, RT, 110.15 INBOUND, 2300 FT. IN LIEU OF PT (IAF) 3. FAC: 110.22 FAF: MAINA DIST FAF TO MAP: 5.25 THLD: 5.25 4. MIN. ALT: BUXTO 2300, MAINA 1800, FINUS/1.80 NM TO RW11 700* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1800 GS ALT AT: MAINA 1800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 51.4 34:1 IS CLEAR 8. MSA FROM: RW11 3600																
										MAG VAR: 15W 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	276	2400	200	276	2400	200	276	2400	200	276	2400	200				
LNAV/VNAV DA	456	4000	380	456	4000	380	456	4000	380	456	4000	380				
LNAV MDA	520	2400	444	520	2400	444	520	4500	444	520	4500	444				
CIRCLING	620	1	544	620	1	544	740	1 3/4	664	860	2 1/2	784				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. @ CAT D 800-2 1/2 *LNAV ONLY CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F).																
(CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 76 TDZE: 76			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:		
PORTLAND, ME		AIRPORT NAME:						RNAV (GPS) RWY 11, AMDT 4						AMDT: 3A		
		PORTLAND INTL JETPORT						12/10/2015						DATED 12/11/2014		



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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MAINA (FAF)	FINUS/1.80 NM TO RW11 (FB)	110.22 / 3.45	
FINUS/1.80 NM TO RW11	RW11 (MAP) (FO)	110.22 / 1.80	
RW11 (MAP)	276 MSL	110.22	
276 MSL	SAPPE (FO)		3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ENE VOR/DME ON AIRWAY RADIALS 300 CW 062.

CHART PLANVIEW NOTE: NOPT AT BRUXO FOR ARRIVAL ON CDOGG OR SCOGS ARRIVALS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SERPA ON V3-39 NORTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LIMER ON V3-39 SOUTHWEST BOUND.



CITY AND STATE
PORTLAND, ME

ELEVATION: 76 TDZE: 76
AIRPORT NAME:
PORTLAND INTL JETPORT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 11, AMDT 4
12/10/2015

SUP:
AMDT: 3A
DATED: 12/11/2014

**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**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPWM
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	433845.1030N
LTP/FTP LONGITUDE	0701933.8650W
LTP/FTP ELLIPSOIDAL HEIGHT	-00032
FPAP LATITUDE	433836.8540N
FPAP LONGITUDE	0701731.6805W
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	0560
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

A028808E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00231
FPAP ORTHOMETRIC HEIGHT	+00231

QUALITY
25
CHECKED

CITY AND STATE

PORTLAND, ME

ELEVATION: 76

TDZE: 76

AIRPORT NAME:

PORTLAND INTL JETPORT

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 11, AMDT 4

12/10/2015

SUP:

AMDT: 3A

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 - KPWM

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
BUXTO	010	BUXTO	HF	FO		110.2			R			AA 02300		EE A
ENE	010	ENE	IF	FB										V
ENE	020	IPKAH	TF	FB	2.0	015.0						AA 02600		E A
ENE	030	BUXTO	TF	FB	1.0	066.0						AA 02300		EE B
LIMER	010	LIMER	IF	FB										E
LIMER	020	AIMME	TF	FB	2.0	109.9						AA 03500		E A
LIMER	030	BUXTO	TF	FB	1.0	110.1						AA 02300		EE B
SERPA	010	SERPA	IF	FB										E
SERPA	020	DALYB	TF	FB	2.0	174.4						AA 03500		E A
SERPA	030	BUXTO	TF	FB	1.0	155.0						AA 02300		EE B
	010	BUXTO	IF	FB								AA 02300		E I
	020	MAINA	TF	FB	0.5	110.2				RW11		AA 01800		E F
	021	FINUS	TF	FB	0.3	110.2		3.00				AA 00700 GS 00700		E S
	030	RW11	TF	FO	0.3	110.2		3.00				AT 00127		GY M
	040		CA	FB		110.2						AA 00276		M
	050	SAPPE	DF	FO								AA 03000		EY
	060	SAPPE	HM	FO		290.5			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ENE	N432532.42	W0703648.69
AIMME	N434005.92	W0704001.36
BUXTO	N433935.72	W0703215.97
DALYB	N434251.02	W0703601.97
FINUS	N433855.05	W0702201.98
IPKAH	N433655.18	W0703648.69
LIMER	N434101.40	W0705438.77
MAINA	N433913.99	W0702646.17
SAPPE	N433737.41	W0700307.20
SERPA	N435023.48	W0703956.87

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
--------	-----------------------	------------------------	------------------------	------------------

**QUALITY
25
CHECKED**

CITY AND STATE PORTLAND, ME	ELEVATION: 76 TDZE: 76	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 11, AMDT 4 12/10/2015	SUP:
	AIRPORT NAME: PORTLAND INTL JETPORT			AMDT: 3A
				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.
--	--

RW11	N433845.10	W0701933.87	00076	51
------	------------	-------------	-------	----

QUALITY
25
CHECKED

CITY AND STATE PORTLAND, ME	ELEVATION: 76 AIRPORT NAME: PORTLAND INTL JETPORT	TDZE: 76 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 11, AMDT 4 12/10/2015	SUP:
					AMDT: 3A
					DATED: 12/11/2014

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: RW18 CLIMB TO 3100 DIRECT JUVIN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 358.28 INBOUND. FAS OBST: 479 AAO 434347N/0701936W CHART: 873 TOWER 434438N/0701959W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 2.01 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 77925 REFERENCE PATH ID: W18A CHART CIRCLING ICON LTP HAE: -11.7 M								
JUVIN	JANOB (FO)	358.28 / 25.05	3100									
BRNNS	TOBKE (FB)	279.68 / 11.77	3100									
LABEL (IAF)	JANOB (NOPT) (FB)	092.09 / 16.80	3100									
NOLLI (IAF)	JANOB (NOPT) (FB)	226.71 / 19.86	3100									
TOBKE (IAF)	JANOB (NOPT) (FB)	268.28 / 7.80	3100									
JANOB (IF/IAF)	ZIRNO (FB)	178.16 / 6.75	1800									
ZIRNO (FAF)	RW18 (MAP) (FO)	178.20 / 5.35										
(SEE FORM 8260-10)												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N JANOB, RT, 178.16 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: 178.20 FAF: ZIRNO DIST FAF TO MAP: 5.35 THLD: 5.35 4. MIN. ALT: JANOB 3100, ZIRNO 1800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1800 GS ALT AT: ZIRNO 1800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR 8. MSA FROM: RW18 3600												
				MAG VAR: 15W 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
LPV DA	300	3/4	250	300	3/4	250	300	3/4	250	300	3/4	250
LNAV/VNAV DA	477	1 3/8	427	477	1 3/8	427	477	1 3/8	427	477	1 3/8	427
LNAV MDA	740	1	690	740	1	690	740	2	690	740	2	690
CIRCLING	740	1	664	740	1	664	740	2	664	860	2 1/2	784
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BRNNS ON V93 AND T295 NORTHEAST BOUND. CHART PLANVIEW NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY AT JUVIN. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (SEE FORM 8260-10)												
CITY AND STATE		ELEVATION: 76 TDZE: 50		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
PORTLAND, ME		AIRPORT NAME:				RNAV (GPS) RWY 18, AMDT 2		AMDT: 1A				
		PORTLAND INTL JETPORT				12/10/2015		DATED 03/05/2015				

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW18 (MAP)	300 MSL	178.20	
300 MSL	JUVIN (FO)		3100

NOTES, (CONT.):
(130F).

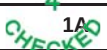
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CITY AND STATE
PORTLAND, ME

ELEVATION: 76 TDZE: 50
AIRPORT NAME:
PORTLAND INTL JETPORT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18, AMDT 2
12/10/2015

SUP: 
AMDT: 1A 
DATED: 03/05/2015

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	KPWM
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	433911.8480N
LTP/FTP LONGITUDE	0701824.5825W
LTP/FTP ELLIPSOIDAL HEIGHT	-00117
FPAP LATITUDE	433746.5295N
FPAP LONGITUDE	0701749.1655W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1032
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	75253283

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00145
FPAP ORTHOMETRIC HEIGHT	+00145

CITY AND STATE

PORTLAND, ME

ELEVATION: 76

TDZE: 50

AIRPORT NAME:

PORTLAND INTL JETPORT

FACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18, AMDT 2
12/10/2015

SUP:

AMDT:

DATED: 03/05/2015

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 - KPWM														
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
BRNNS	010	BRNNS	IF	FB										E
BRNNS	020	TOBKE	TF	FB	2.0	279.7						AA 03100		E A
BRNNS	030	JANOB	TF	FB	1.0	268.3						AA 03100		EE B
JUVIN	010	JUVIN	IF	FB										E
JUVIN	020	JANOB	TF	FO	2.0	358.3						AA 03100		EY
JUVIN	030	JANOB	HF	FO		178.2			R			AA 03100		EE A
LABEL	010	LABEL	IF	FB										E A
LABEL	020	JANOB	TF	FB	1.0	092.1						AA 03100		EE B
NOLLI	010	NOLLI	IF	FB										E A
NOLLI	020	JANOB	TF	FB	1.0	226.7						AA 03100		EE B
	010	JANOB	IF	FB								AA 03100		E I
	020	ZIRNO	TF	FB	0.5	178.2				RW18		AA 01800		E F
	030	RW18	TF	FO	0.3	178.2		3.00				AT 00098		GY M
	040		CA	FB		178.2						AA 00300		M
	050	JUVIN	DF	FO								AA 03100		EY
	060	JUVIN	HM	FO		358.3			R			AA 03100		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
BRNNS			N435408.64			W0695642.81								
JANOB			N435046.92			W0702314.22								
JUVIN			N432647.87			W0701316.65								
LABEL			N434703.87			W0704551.85								
NOLLI			N440741.48			W0700848.96								
TOBKE			N435302.05			W0701254.85								
ZIRNO			N434418.96			W0702032.32								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH			
RW18		N433911.85			W0701824.58			00048			50			

CITY AND STATE PORTLAND, ME	ELEVATION: 76	TDZE: 50	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: PORTLAND INTL JETPORT		RNAV	RNAV (GPS) RWY 18, AMDT 2 12/10/2015	1A
				DATED: 03/05/2015	

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: RW29 CLIMB TO 3000 DIRECT BUXTO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ADDITIONAL FLIGHT DATA: HOLD W, RT, 110.15 INBOUND. FAS OBST: 325 AAO 433835N/0701144W CHART W-103. DISTANCE TO THLD FROM 200 HAT: 0.51 NM. CHART VDP AT 1.52 MILES TO RW29* *LNAV ONLY. WAAS CHANNEL # 65626 REFERENCE PATH ID: W29A CHART CIRCLING ICON. LTP HAE: -13.3 M					
AUG VOR/DME		TAATE (FB)		205.82 / 39.01				3000							
MESHL		SLAMZ (FB)		044.93 / 16.53				3000							
ENE VOR/DME		SAPPE (FO)		078.57 / 27.33				3000							
TAATE (IAF)		SAPPE (NOPT) (FB)		244.49 / 5.00				3000							
SLAMZ (IAF)		SAPPE (NOPT) (FB)		335.46 / 5.32				3000							
SAPPE (IF/IAF)		PEATT (FB)		290.49 / 5.76				1700							
PEATT (FAF)		RW29 (MAP) (FO)		290.40 / 5.05											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E SAPPE, RT, 290.49 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 290.40 FAF: PEATT DIST FAF TO MAP: 5.05 THLD: 5.05 4. MIN. ALT: SAPPE 3000, PEATT 1700 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: PEATT 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.2 34:1 IS CLEAR 8. MSA FROM: RW29 3600															
										MAG VAR: 15W			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	256	2400	200	256	2400	200	256	2400	200	256	2400	200			
LNAV/VNAV DA	567	1 3/8	511	567	1 3/8	511	567	1 3/8	511	567	1 3/8	511			
LNAV MDA	580	2400	524	580	2400	524	580	5500	524	580	5500	524			
CIRCLING	620	1	544	620	1	544	740	1 3/4	664	860	2 1/2	784			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). @ CAT D 800-2 1/2 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON AUG VOR/DME AIRWAY RADIALS 141 CW 251. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ENE VOR/DME ON V93 AND T295 SOUTHWEST BOUND. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 76 TDZE: 56				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
PORTLAND, ME		AIRPORT NAME:				RNAV		RNAV (GPS) RWY 29, AMDT 3				AMDT: 2A			
		PORTLAND INTL JETPORT						12/10/2015				DATED 12/13/2012			



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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW29 (MAP)	256 MSL	290.40	
256 MSL	BUXTO (FO)		3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: NOPT AT SAPPE FOR ARRIVAL ON CDOGG OR SCOGS ARRIVALS.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/4 MILE, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 MILE.

QUALITY
25
CHECKED

CITY AND STATE
PORTLAND, ME

ELEVATION: 76 TDZE: 56
AIRPORT NAME:
PORTLAND INTL JETPORT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 29, AMDT 3
12/10/2015

SUP:
AMDT: 2A
DATED: 12/13/2012

**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**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPWM
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	433838.5205N
LTP/FTP LONGITUDE	0701756.3690W
LTP/FTP ELLIPSOIDAL HEIGHT	-00133
FPAP LATITUDE	433846.7650N
FPAP LONGITUDE	0701958.5555W
THRESHOLD CROSSING HEIGHT (TCH)	00050.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0552
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

EF5945EF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00129
FPAP ORTHOMETRIC HEIGHT	+00129

QUALITY
25
CHECKED

CITY AND STATE

PORTLAND, ME

ELEVATION: 76

TDZE: 56

AIRPORT NAME:

PORTLAND INTL JETPORT

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 29, AMDT 3

12/10/2015

SUP:

AMDT: 2A

DATED: 12/13/2012

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 - KPWM

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
AUG	010	AUG	IF	FB										V
AUG	020	TAATE	TF	FB	2.0	205.8						AA 03000		E A
AUG	030	SAPPE	TF	FB	1.0	244.5						AA 03000		EE B
ENE	010	ENE	IF	FB										V
ENE	020	SAPPE	TF	FO	2.0	078.6						AA 03000		EY
ENE	030	SAPPE	HF	FO		290.5			R			AA 03000		EE A
MESHL	010	MESHL	IF	FB										E
MESHL	020	SLAMZ	TF	FB	2.0	044.9						AA 03000		E A
MESHL	030	SAPPE	TF	FB	1.0	335.5						AA 03000		EE B
	010	SAPPE	IF	FB								AA 03000		E I
	020	PEATT	TF	FB	0.5	290.5				RW29		AA 01700		E F
	030	RW29	TF	FO	0.3	290.4		3.00				AT 00092		GY M
	040		CA	FB		290.4						AA 00256		M
	050	BUXTO	DF	FO								AA 03000		EY
	060	BUXTO	HM	FO		110.2			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
AUG	N441912.07	W0694747.63
ENE	N432532.42	W0703648.69
BUXTO	N433935.72	W0703215.97
MESHL	N431912.07	W0700948.03
PEATT	N433810.22	W0701101.06
SAPPE	N433737.41	W0700307.20
SLAMZ	N433331.30	W0695827.44
TAATE	N434052.41	W0695753.20

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW29	N433838.52	W0701756.37	00042	50

CITY AND STATE PORTLAND, ME	ELEVATION: 76 TDZE: 56	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 3 12/10/2015	SUP: 4
	AIRPORT NAME: PORTLAND INTL JETPORT			AMDT: 2A
				DATED: 12/13/2012

QUALITY
4
CHECKED

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

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

City, State	Airport	Effective Date	Amdt. No.
PORTLAND, ME	PORTLAND INTL JETPORT	12/10/2015	7

TAKEOFF MINIMUMS:

RWY 18, 29 STANDARD.

RWY 11, 300-1 ¼ OR STANDARD WITH MINIMUM CLIMB OF 272 FT PER NM TO 400.

RWY 36, 400-2 ¾ OR STANDARD WITH MINIMUM CLIMB OF 235 FT PER NM TO 600.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 11, TREE 481 FT FROM DER, 563 FT RIGHT OF CENTERLINE, 32 FT AGL/69 FT MSL. TREE 650 FT FROM DER, 551 FT LEFT OF CENTERLINE, 25 FT AGL/67 FT MSL. TREES BEGINNING 5943 FT FROM DER, 1152 FT LEFT OF CENTERLINE, UP TO 189 FT AGL/230 FT MSL. TREES BEGINNING 1 NM FROM DER, 2025 FT LEFT OF CENTERLINE, UP TO 186 FT AGL/228 FT MSL. TREES BEGINNING 1 NM FROM DER, 1660 FT LEFT OF CENTERLINE, UP TO 209 FT AGL/251 FT MSL.

NOTE: RWY 18, TREE 107 FT FROM DER, 522 FT RIGHT OF CENTERLINE, 33 FT AGL/77 FT MSL. TREE 178 FT FROM DER, 481 FT RIGHT OF CENTERLINE, 38 FT AGL/82 FT MSL. TREES BEGINNING 207 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 57 FT AGL/78 FT MSL. TREES BEGINNING 403 FT FROM DER, 503 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/110 FT MSL. TREES BEGINNING 1038 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 65 FT AGL/109 FT MSL. TREES BEGINNING 1257 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 83 FT AGL/127 FT MSL. TREES BEGINNING 1676 FT FROM DER, 217 FT RIGHT OF CENTERLINE, UP TO 99 FT AGL/143 FT MSL. TREES BEGINNING 4242 FT FROM DER, 1132 FT RIGHT OF CENTERLINE, UP TO 124 FT AGL/168 FT MSL.

NOTE: RWY 29, TREES BEGINNING 1301 FT FROM DER, 789 FT LEFT OF CENTERLINE, UP TO 47 FT AGL/122 FT MSL. TREES 2185 FT FROM DER, 830 FT LEFT OF CENTERLINE, UP TO 74 FT AGL/149 FT MSL. TREES BEGINNING 2742 FT FROM DER, 811 FT RIGHT OF CENTERLINE, UP TO 83 FT AGL/180 FT MSL. TREES BEGINNING 3103 FT FROM DER, 1245 FT LEFT OF CENTERLINE, UP TO 114 FT AGL/189 FT MSL. TREES BEGINNING 4218 FT FROM DER, 1382 FT LEFT OF CENTERLINE, UP TO 129 FT AGL/204 FT MSL.

NOTE: RWY 36, BUILDING 11 FT FROM DER, 149 FT LEFT OF CENTERLINE, 2 FT AGL/46 FT MSL. FENCE 23 FT FROM DER, 495 FT LEFT OF CENTERLINE, 21 FT AGL/68 FT MSL. VEHICLES ON ROAD, BEGINNING 196 FT FROM DER, 251 FT LEFT OF CENTERLINE, UP TO 17 FT AGL/56 FT MSL. TREES BEGINNING 364 FT FROM DER, 87 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/73 FT MSL. TREES BEGINNING 21 FT FROM DER, 252 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/101 FT MSL. TREES BEGINNING 238 FT FROM DER, 515 FT LEFT OF CENTERLINE, UP TO 68 FT AGL/112 FT MSL. TREES BEGINNING 1281 FT FROM DER, 832 FT RIGHT OF CENTERLINE, UP TO 85 FT AGL/129 FT MSL. TREES BEGINNING 1699 FT FROM DER, 450 FT RIGHT OF CENTERLINE, UP TO 76 FT AGL/121 FT MSL. TREES BEGINNING 2298 FT FROM DER, 848 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/125 FT MSL. TREE 3545 FT FROM DER, 1437 FT LEFT OF CENTERLINE, 93 FT AGL/138 FT MSL.

CONTROLLING OBSTACLES:

RWY 11: 251 FT MSL TREE 433850.11N/0701632.59W.

RWY 36: 429 FT MSL TOWER 434123.60N/0701859.83W. 432 FT MSL TOWER 434126.41N/0701903.01W.

REMARKS:



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.
PORTLAND, ME	PORTLAND INTL JETPORT	12/10/2015	7

FLIGHT INSPECTED BY:

PENDING

REQUIRED EFFECTIVE DATE:

12/10/2015

DEVELOPED BY:

DAN CAIRNS Digitally signed by
DAN CAIRNS
Aug 11, 2015 AJV-5423 8/4/2015

APPROVED BY:

ADOLFO URRUTIA Digitally signed by
JULIE A MORGAN
Aug 31, 2015 AJV-5410

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZBW, PWM APP CON, PWM ATCT, ARPT MGR.

CHANGES:

1. AMENDED TAKEOFF OBSTACLE NOTES FOR ALL RUNWAYS.
2. AMENDED CONTROLLING OBSTRUCTIONS.
3. DELETED COMMENT UNDER REMARKS.
4. UNDER TAKEOFF MINIMUMS, INCREASED CLIMB GRADIENT FOR RWY 11 FROM 270 TO 272.
5. UNDER TAKEOFF MINIMUMS FOR RWY 36, CHANGED CEILING FROM 300 TO 400; CLIMB GRADIENT FROM 270 TO 235; AND CLIMB TO ALTITUDE FROM 700 TO 600.

REASONS:

- 1-5. UPDATED AIRNAV OBSTACLE DATABASE.



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				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 10 DECEMBER 2015																			
CITY AND STATE BAUDETTE, MN				ELEVATION: 1084 TDZE: 1084 AIRPORT NAME: BAUDETTE INTL				FACILITY IDENTIFIER: BDE				PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR RWY 30, AMDT 10, 07/12/2001				SUP AMD'T 9 DATE 4 JAN 96			



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 10 DECEMBER 2015																																			
CITY AND STATE THIEF RIVER FALLS, MN				ELEVATION: 1119 TDZE: 1114 AIRPORT NAME: THIEF RIVER FALLS RGNL				FACILITY IDENTIFIER: HY				PROCEDURE NO./AMDТ NO./EFFECTIVE DATE: NDB RWY 31, AMDТ 2A, 11/13/2014						SUP AMDТ 2 DATE 03/12/2009																	

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW16					
ISOPE (IF/IAF)		FINOS (FB)		164.96 / 5.00				2000		CLIMB TO 2000 DIRECT RISNE AND HOLD.					
FINOS (FAF)		RW16 (MAP) (FO)		164.97 / 5.19											
RW16 (MAP)		720 MSL		164.97											
720 MSL		RISNE (FO)						2000		ADDITIONAL FLIGHT DATA: HOLD S, RT, 345.02 INBOUND. CHART FAS OBST: 665 TOWER 304855N/0893024W FINOS TO RW16: 3.00/46.1. CHART CIRCLING ICON. CHART BOGALUSA AWOS-3PT.					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)															
2. HOLD N ISOPE, RT, 164.96 INBOUND, 2100 FT. IN LIEU OF PT (IAF)															
3. FAC: 164.97 FAF: FINOS DIST FAF TO MAP: 5.19 THLD: 5.19															
4. MIN. ALT: ISOPE 2100, FINOS 2000															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____															
7. GS ANGLE: _____ TCH: _____ 34:1 IS NOT CLEAR															
8. MSA FROM: _____										MAG VAR: 2W			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
CIRCLING	1040	1	720	1120	1	800	1120	2 1/4	800	1120	2 1/2	800			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: USE BOGALUSA ALTIMETER SETTING; WHEN NOT RECEIVED, USE HATTIESBURG ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE CIRCLING CAT B/C/D VISIBILITY 1/4 MILE. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: PROCEDURE NA AT NIGHT.															
CITY AND STATE POPLARVILLE, MS		ELEVATION: 320 TDZE: AIRPORT NAME: POPLARVILLE-PEARL RIVER COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, ORIG 10 DECEMBER 2015						SUP: AMDT: NONE DATED			



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

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

TAA

	FROM	TO	ALT
1.	075/30 CW 255/30 (NOPT)	ISOPE (IF/IAF) (FB)	2100
2.	255/30 CW 075/30	255/15 CW 075/15	2800
	255/15 CW 075/15	ISOPE (IF/IAF) (FO)	2100

QUALITY
25
CHECKED

CITY AND STATE POPLARVILLE, MS	ELEVATION: 320	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, ORIG 10 DECEMBER 2015	SUP:
	AIRPORT NAME: POPLARVILLE-PEARL RIVER COUNTY				AMDT: NONE
					DATED:

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 - M13

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
ISOPE	010	ISOPE	HF	FO		165.0			R			AA 02100		EE A
	010	ISOPE	IF	FB								AA 02100		E I
	020	FINOS	TF	FB	0.5	165.0						AA 02000		E F
	030	RW16	TF	FO	0.3	165.0		3.00				AT 00349		GY M
	040		CA	FB		165.0						AA 00720		M
	050	RISNE	DF	FO								AA 02000		EY
	060	RISNE	HM	FO		345.0		R				AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FINOS	N305228.78	W0893208.80
ISOPE	N305716.27	W0893350.95
RISNE	N303708.34	W0892642.93

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW16	N304730.60	W0893023.04	00303	

QUALITY
25
CHECKED

CITY AND STATE POPLARVILLE, MS	ELEVATION: 320	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-A, ORIG 10 DECEMBER 2015	SUP:
	AIRPORT NAME: POPLARVILLE-PEARL RIVER COUNTY				AMDT: NONE
					DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW34					
RISNE (IF/IAF)		KAKME (FB)		345.02 / 5.00				2000		CLIMB TO 2100 DIRECT ISOPE AND HOLD.					
KAKME (FAF)		RW34 (MAP) (FO)		345.00 / 5.16											
RW34 (MAP)		720 MSL		345.00											
720 MSL		ISOPE (FO)						2100		ADDITIONAL FLIGHT DATA: HOLD N, RT, 164.96 INBOUND. CHART FAS OBST: 503 TOWER 304404N/0892936W KAKME TO RW34: 3.00/37.4. CHART CIRCLING ICON. CHART BOGALUSA AWOS-3PT.					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)															
2. HOLD S RISNE, RT, 345.02 INBOUND, 2000 FT. IN LIEU OF PT (IAF)															
3. FAC: 345.00 FAF: KAKME DIST FAF TO MAP: 5.16 THLD: 5.16															
4. MIN. ALT: RISNE 2000, KAKME 2000															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____															
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR															
8. MSA FROM: _____										MAG VAR: 2W			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
CIRCLING	880	1	560	1120	1	800	1120	2 1/4	800	1120	2 1/2	800			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: USE BOGALUSA ALTIMETER SETTING; WHEN NOT RECEIVED, USE HATTIESBURG ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE CIRCLING CAT B/C/D VISIBILITY 1/4 MILE. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: PROCEDURE NA AT NIGHT.															
CITY AND STATE POPLARVILLE, MS		ELEVATION: 320 TDZE: AIRPORT NAME: POPLARVILLE-PEARL RIVER COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG 10 DECEMBER 2015						SUP: AMDT: NONE DATED			

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

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

TAA

	FROM	TO	ALT
1.	255/30 CW 075/30 (NOPT) 255/15 CW 075/15	255/15 CW 075/15 RISNE (IF/IAF) (FB)	2800 2000
2.	075/30 CW 255/30 075/15 CW 255/15	075/15 CW 255/15 RISNE (IF/IAF) (FO)	2800 2000

QUALITY
25
CHECKED

CITY AND STATE POPLARVILLE, MS	ELEVATION: 320 AIRPORT NAME: POPLARVILLE-PEARL RIVER COUNTY	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG 10 DECEMBER 2015	SUP:
					AMDT: NONE
					DATED:

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 - M13

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
RISNE	010	RISNE	HF	FO		345.0			R			AA 02000		EE A
	010	RISNE	IF	FB								AA 02000		E I
	020	KAKME	TF	FB	0.5	345.0						AA 02000		E F
	030	RW34	TF	FO	0.3	345.0		3.00				AT 00356		GY M
	040		CA	FB		345.0						AA 00720		M
	050	ISOPE	DF	FO								AA 02100		EY
	060	ISOPE	HM	FO		165.0		R				AA 02100		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ISOPE	N305716.27	W0893350.95
KAKME	N304155.91	W0892824.55
RISNE	N303708.34	W0892642.93

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW34	N304652.75	W0893009.63	00319	

QUALITY
25
CHECKED

CITY AND STATE POPLARVILLE, MS	ELEVATION: 320	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-B, ORIG 10 DECEMBER 2015	SUP:
	AIRPORT NAME: POPLARVILLE-PEARL RIVER COUNTY				AMDT: NONE
					DATED:

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

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

City, State	Airport	Effective Date	Amdt. No.
POPLARVILLE, MS	POPLARVILLE-PEARL RIVER COUNTY	10 DECEMBER 2015	ORIG

TAKEOFF MINIMUMS:

RWY 16: STANDARD
RWY 34: 400-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 405 FT PER NM TO 900.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16: TREES BEGINNING 504 FT FROM DER, 530 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/399 FT MSL. TREES BEGINNING 745 FT FROM DER, CROSSING CENTERLINE, UP TO 100 FT AGL/389 FT MSL. TREES BEGINNING 1239 FT FROM DER, 450 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/419 FT MSL.
NOTE: RWY 34: TREES BEGINNING 104 FT FROM DER, 469 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/419 FT MSL. TREES BEGINNING 436 FT FROM DER, 467 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/409 FT MSL. TREES BEGINNING 2720 FT FROM DER, 1166 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/429 FT MSL. TOWER 1.3 NM FROM DER, 2414 FT RIGHT OF CENTERLINE, 335 FT AGL/665 FT MSL.

CONTROLLING OBSTACLES:

RWY 34: 665 FT MSL TOWER 304855.00N/0893024.00W



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

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

City, State	Airport	Effective Date	Amdt. No.
POPLARVILLE, MS	POPLARVILLE-PEARL RIVER COUNTY	10 DECEMBER 2015	ORIG

REMARKS:

RWY 34: CONTROLLING OBSTACLE: 665 MSL TOWER (28-000454), 304855.00N/0893024.00W, 4D ACCURACY CODE EVAL REQUESTED.

FLIGHT INSPECTED BY:

ROSS LARSON

FICO

Digitally signed by
JULIE A MORGAN
Oct 07, 2015

09/20/2015

REQUIRED EFFECTIVE DATE:

CONCURRENT WITH AIRSPACE
DOCKET 12-ASO-42.

DEVELOPED BY:

DEANNA M. FIELDS

AJV-353

Digitally signed by
DEANNA M FIELDS
Jul 02, 2015

6/08/2015

APPROVED BY:

ADOLFO URRUTIA

Digitally signed by
JULIE A MORGAN
Oct 07, 2015

AJV-352

COORDINATED WITH:

ALPA, AOPA, NBAA, ZHU ARTCC, AMGR

CHANGES:

REASONS:



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

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

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

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

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

MINIMUMS

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 10 DECEMBER 2015

ADDITIONAL FLIGHT DATA

THRE:	RWY:	THRE:	RWY:
THRE:	RWY:	THRE:	RWY:

LOST COMMUNICATIONS (ALL RWYS): As directed by ATC on initial contact.

MAG VAR: EPOCH YEAR:

CITY AND STATE ASHEVILLE, NC	ELEVATION: 2162.4 AIRPORT NAME: ASHEVILLE RGNL	FACILITY IDENTIFIER: AVL ASR	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RADAR-1, AMDT 5A, 11/18/98	SUP
				AMDT: 5
				DATED: 03/17/83

QUALITY
24
CHECKED

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

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

City, State	Airport	Effective Date	Amdt. No.
ASHEVILLE, NC	ASHEVILLE RGNL	10 DECEMBER 2015	ORIG

TAKEOFF MINIMUMS:

RWY 17: STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 4600 OR 3600-3 FOR VCOA.
RWY 35: STANDARD WITH MINIMUM CLIMB OF 410 FT PER NM TO 5700 OR 3600-3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 17: CLIMB HEADING 166.82 TO 4600 BEFORE PROCEEDING ON COURSE.
RWY 35: CLIMB HEADING 346.83 TO 5700 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

RWY 17: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS ASHEVILLE RGNL AIRPORT AT OR ABOVE 5600 BEFORE PROCEEDING ON COURSE. NOTE: VCOA NA AT NIGHT.
RWY 35: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. FOR CLIMB IN VISUAL CONDITIONS TO CROSS ASHEVILLE RGNL AIRPORT AT OR ABOVE 5600 BEFORE PROCEEDING ON COURSE. NOTE: VCOA NA AT NIGHT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, TREES BEGINNING 79 FT FROM DER, 452 FT RIGHT OF CENTERLINE, UP TO 73 FT AGL/2144 FT MSL.
NOTE: RWY 35, VEHICLE ON ROAD 44 FT FROM DER, 202 FT LEFT OF CENTERLINE, 15 FT AGL/2166 FT MSL. TREES BEGINNING 65 FT FROM DER, 245 FT LEFT OF CENTERLINE, UP TO 92 FT AGL/2232 FT MSL. TREES BEGINNING 701 FT FROM DER, 16 FT LEFT OF CENTERLINE, UP TO 65 FT AGL/2197 FT MSL.

CONTROLLING OBSTACLES:

RWY 17: 6057 FT MSL TOWER, 352532.00N/0824524.00W.
RWY 35: 6057 FT MSL TOWER, 352532.00N/0824524.00W.
RWY 17, 35 (VCOA): 3919 FT MSL AAO, 352636.80N/0823816.50W; 6057 FT MSL TOWER, 352532.00N/0824524.00W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:
RWY 17: 6057 FT MSL TOWER, 352532.00N/0824524.00W
RWY 35: 6057 FT MSL TOWER, 352532.00N/0824524.00W.



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

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

City, State	Airport	Effective Date	Amdt. No.
ASHEVILLE, NC	ASHEVILLE RGNL	10 DECEMBER 2015	ORIG

REMARKS:

RWY 17: TAKEOFF MINIMUMS OF 250 FT PER NM TO 4600 USED FOR OBSTACLES CLEARANCE AND TO KEEP THE DEAD RECKONING (DR) LENGTH TO 10 NM OR LESS. NOTE: VCOA NA AT NIGHT CARRIED OVER FROM PREVIOUS 8260-15A, AMDT 9.

RWY 35: TAKEOFF MINIMUMS OF 410 FT PER NM TO 5700 USED TO KEEP THE DEAD RECKONING (DR) LENGTH TO 10 NM OR LESS. NOTE: VCOA NA AT NIGHT CARRIED OVER FROM PREVIOUS 8260-15A, AMDT 9.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

GARY VEER *Digitally signed by* FICO 10/22/2015
JULIE A MORGAN

ROUTINE

DEVELOPED BY:

Oct 21, 2015

DEANNA M. FIELDS *Digitally signed by* AJV-5421 07/01/2015
DEANNA M FIELDS
Aug 13, 2015

APPROVED BY:

Digitally signed by

ADOLFO URRUTIA **JULIE A MORGAN** AJV-5410
Oct 20, 2015

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZTL, AVL APP CON, AVL ATCT, ARPT MGR

CHANGES:

REASONS:



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.
ASHEVILLE, NC	ASHEVILLE RGNL	06/12/2013	9

TAKEOFF MINIMUMS:

PROCEDURE CANCELED EFFECTIVE 10 DECEMBER 2015

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

CONTROLLING OBSTACLES:



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.
ASHEVILLE, NC	ASHEVILLE RGNL	06/12/2013	9

REMARKS:

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

DEVELOPED BY:

Digitally signed by

JULIE A MORGAN

DEANNA M. FIELDS

Digitally signed by
DEANNA M FIELDS
Jul 30, 2015

Oct 20, 2015
AJV-5421

07/21/2015

CONCURRENT

APPROVED BY:

Digitally signed by

JULIE A MORGAN

ADOLFO URRUTIA

AJV-5410
Sep 03, 2015

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZTL, AVL APP CON, AVL ATCT, ARPT MGR

CHANGES:

REASONS:

CONCURRENT WITH KAVL TAKEOFF MINIMUMS AND (OSBTACLE) DEPARTURE PROCEDURES, ORIG



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 3.04 MILES AFTER KATFI LOM							
EWN VOR/DME		KATFI LOM		216.78 / 3.52				2000		CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2000 DIRECT EWN VOR/DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2000 DIRECT KATFI LOM AND HOLD SW, LT, 038.00 INBOUND, ADF REQUIRED. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 038.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW KATFI LOM, LT, 038.71 INBOUND. CHART FAS OBST: 164 TREE 350151N/0770428W CHART R-5306C. CHART R-5306D. CHART CIRCLING ICON. CHART IN PLANVIEW: (CFBZH) AT 345751.77N/0770716.26W.							
ISO VORTAC		KATFI LOM		136.49 / 31.50				2600									
KROVE INT		KATFI LOM		100.79 / 8.72				2000									
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. HOLD SW KATFI LOM, LT, 038.71 INBOUND, 1400 FT. IN LIEU OF PT (IAF) 3. FAC: 038.71 FAF: KATFI LOM DIST FAF TO MAP: 3.04 THLD: 3.04 4. MIN. ALT: KATFI LOM 1100 5. DIST TO THLD FROM OM: 3.04 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 938 6. MIN GS INCPT: 1100 GS ALT AT:- OM: 1025 MM: - IM: - 7. GS ANGLE: 3.00 TCH: 50.3 8. MSA FROM: EW LOM 3100										MAG VAR: 8W EPOCH YEAR: 1985							
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @						
CATEGORY ==>		A		B		C		D		E							
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 04		343	1 1/8	326	343	1 1/8	326	343	1 1/8	326	343	1 1/8	326				
S-LOC 04		420	1	403	420	1	403	420	1 1/8	403	420	1 1/8	403				
CIRCLING		480	1	462	520	1	502	600	1 1/2	582	1080	3	1062				
NOTES: CHART PLANVIEW NOTE: ADF REQUIRED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHERRY POINT ALTIMETER SETTING AND INCREASE DA TO 371 AND ALL MDA 40 FEET; INCREASE S-ILS 4 ALL CATS VISIBILITY 1/8 MILE AND S-LOC 4 CAT C/D AND CIRCLING CAT C 1/4 MILE. (SEE FORM 8260-10)																	
CITY AND STATE NEW BERN, NC		ELEVATION: 18 TDZE: 17 AIRPORT NAME: COASTAL CAROLINA REGIONAL		FACILITY IDENTIFIER: I-EWN		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 4, AMDT 1 10 DECEMBER 2015							SUP: AMDT: ORIG-C DATED 07/02/2009				



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 14, 32 NA.

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

QUALITY
6
CHECKED

CITY AND STATE

NEW BERN, NC

ELEVATION: 18

TDZE: 17

AIRPORT NAME:

COASTAL CAROLINA REGIONAL

FACILITY
IDENTIFIER:

I-EWN

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 4, AMDT 1

10 DECEMBER 2015

SUP:

AMDT: ORIG-C

DATED: 07/02/2009

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 - KEWN

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
EWN	010	EWN	IF	FB										V
EWN	020	EW	TF	FO								AA 02000		NY
EWN	030	EW	HF	FO		038.7	EWN		L			AA 01400		NE A
ISO	010	ISO	IF	FB										V
ISO	020	EW	TF	FO								AA 02600		NY
ISO	030	EW	HF	FO		038.7	EWN		L			AA 01400		NE A
KROVE	010	KROVE	IF	FB										E
KROVE	020	EW	TF	FO								AA 02000		NY
KROVE	030	EW	HF	FO		038.7	EWN		L			AA 01400		NE A
	010	CFBZH	IF	FB			IEWN					AA 01400 GI 01100		E I
	020	KATFI	CF	FB		039.0	IEWN	3.00		EW		GI 01100 GS 01025		E F
	030	RW04	CF	FO		039.0	IEWN	3.00				AT 00064		GY M
	040		CA	FB		038.7						AA 01000		M
	050	EWN	DF	FO					R			AA 02000		VY
	060	EWN	HM	FO		038.0			L			AA 02000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
EWN	N350423.31	W0770242.23
ISO	N352215.44	W0773330.01
KROVE	N350142.77	W0771522.44
CFBZH	N345751.77	W0770716.26
KATFI	N350118.29	W0770447.36
IEWN (LOC)	N350452.19	W0770212.90
EW	N350117.82	W0770446.08

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW04	N350355.57	W0770253.81	00013	50.3

QUALITY
12
CHECKED

CITY AND STATE
NEW BERN, NC

ELEVATION: 18 TDZE: 17
AIRPORT NAME:
COASTAL CAROLINA REGIONAL

FACILITY
IDENTIFIER:
I-EWN

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 4, AMDT 1
10 DECEMBER 2015

SUP:
AMDT: ORIG-C
DATED: 07/02/2009

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 - KEWN

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
EWN	010	EWN	IF	FB										V
EWN	020	EW	TF	FO								AA 02000		NY
EWN	030	EW	HF	FO		038.7	EWN		L			AA 01400		NE A
ISO	010	ISO	IF	FB										V
ISO	020	EW	TF	FO								AA 02600		NY
ISO	030	EW	HF	FO		038.7	EWN		L			AA 01400		NE A
KROVE	010	KROVE	IF	FB										E
KROVE	020	EW	TF	FO								AA 02000		NY
KROVE	030	EW	HF	FO		038.7	EWN		L			AA 01400		NE A
	010	CFBZH	IF	FB			IEWN					AA 01400		E I
	020	KATFI	CF	FB		039.0	IEWN			EW		AA 01100		E F
	030	RW04	CF	FO		039.0	IEWN	3.21				AT 00064		GY M
	040		CA	FB		038.7						AA 01000		M
	050	EWN	DF	FO					R			AA 02000		VY
	060	EWN	HM	FO		038.0			L			AA 02000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
EWN	N350423.31	W0770242.23
ISO	N352215.44	W0773330.01
KROVE	N350142.77	W0771522.44
CFBZH	N345751.77	W0770716.26
KATFI	N350118.29	W0770447.36
IEWN (LOC)	N350452.19	W0770212.90
EW	N350117.82	W0770446.08

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW04	N350355.57	W0770253.81	00013	50.3

QUALITY
12
CHECKED

CITY AND STATE
NEW BERN, NC

ELEVATION: 18 TDZE: 17
AIRPORT NAME:
COASTAL CAROLINA REGIONAL

FACILITY
IDENTIFIER:
I-EWN

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 4, AMDT 1
10 DECEMBER 2015

SUP:
AMDT: ORIG-C
DATED: 07/02/2009

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.						
TERMINAL ROUTES										MISSED APPROACH										
FROM			TO			COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW04									
BEULA (IAF)			KUYEN (FB)			100.82 / 26.46			2000		CLIMB TO 2000 DIRECT JIDOM AND HOLD.									
KUYEN (IF)			LUYNI (FB)			038.64 / 2.70			2000											
LUYNI			ZOSRU (FB)			038.65 / 4.74			1100											
ZOSRU (FAF)			RW04 (MAP) (FO)			038.69 / 3.25														
RW04 (MAP)			342 MSL			038.69														
342 MSL			JIDOM (FO)						2000		ADDITIONAL FLIGHT DATA: HOLD NE, RT, 218.78 INBOUND. CHART FAS OBST: 164 TREE 350151N/0770428W CHART A-530. CHART R-5306C. DISTANCE TO THLD FROM 325 HAT: 0.86 NM. CHART VDP AT 1.12 MILES TO RW04* *LNAV ONLY. WAAS CHANNEL # 69402 REFERENCE PATH ID: W04A CHART CIRCLING ICON. 239 AAO 350116N/0770537W CHART: ASR LTP HAE: -33.3 M									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																				
2. PROFILE STARTS AT KUYEN																				
3. FAC: 038.69 FAF: ZOSRU DIST FAF TO MAP: 3.25 THLD: 3.25																				
4. MIN. ALT: KUYEN 2000, LUYNI 2000, ZOSRU 1100																				
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																				
6. MIN GS INCPT: 1100 GS ALT AT: ZOSRU 1100 OM: _____ MM: _____ IM: _____																				
7. GS ANGLE: 3.00 TCH: 50.3 34:1 IS NOT CLEAR																				
8. MSA FROM: RW04 3100																				
MAG VAR: 8W 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	342	1 1/8	325	342	1 1/8	325	342	1 1/8	325	342	1 1/8	325								
LNAV/VNAV DA	435	1 3/8	418	435	1 3/8	418	435	1 1/4	418	435	1 3/8	418								
LNAV MDA	420	1	403	420	1	403	420	1 1/8	403	420	1 1/8	403								
CIRCLING	480	1	462	520	1	502	600	1 1/2	582	1080	3	1062								
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING CHERRY POINT ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0C (32F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BEULA ON V56 WESTBOUND. (SEE FORM 8260-10)																				
CITY AND STATE NEW BERN, NC				ELEVATION: 18 TDZE: 17 AIRPORT NAME: COASTAL CAROLINA REGIONAL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1 10 DECEMBER 2015					SUP: AMDT: ORIG-B DATED 10/16/2014					



**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.

NOTES, (CONT.):

CHART NOTE: VDP NA WITH CHERRY POINT ALTIMETER SETTING.

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

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHERRY POINT ALTIMETER SETTING AND INCREASE ALL DA 32 FEET AND ALL MDA 40 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE, INCREASE LNAV CATS C/D AND CIRCLING CAT C VISIBILITIES 1/4 MILE.

CHART NOTE: NIGHT LANDING: RWY 14, 32 NA.

QUALITY
6
CHECKED

CITY AND STATE

NEW BERN, NC

ELEVATION: 18**TDZE: 17****AIRPORT NAME:**

COASTAL CAROLINA REGIONAL

**FACILITY
IDENTIFIER:**

RNAV**PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:**

RNAV (GPS) RWY 4, AMDT 1

10 DECEMBER 2015

SUP:**AMDT:** ORIG-B**DATED:** 10/16/2014

**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	KEWN
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	350355.5690N
LTP/FTP LONGITUDE	0770253.8130W
LTP/FTP ELLIPSOIDAL HEIGHT	-00333
FPAP LATITUDE	350512.2930N
FPAP LONGITUDE	0770158.3670W
THRESHOLD CROSSING HEIGHT (TCH)	00050.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0872
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

<u>CRC REMAINDER</u>	CC9107E4
----------------------	----------

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00040
FPAP ORTHOMETRIC HEIGHT	+00040

QUALITY
6
CHECKED

CITY AND STATE

NEW BERN, NC

ELEVATION: 18

TDZE: 17

AIRPORT NAME:

COASTAL CAROLINA REGIONAL

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, AMDT 1

10 DECEMBER 2015

SUP:

AMDT: ORIG-B

DATED: 10/16/2014

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 - KEWN

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
BEULA	010	BEULA	IF	FB										E A
BEULA	020	KUYEN	TF	FB	1.0	100.8						AA 02000		EE B
	010	KUYEN	IF	FB								AA 02000		E I
	011	LUYNI	TF	FB	0.5	038.6						AA 02000		E
	020	ZOSRU	TF	FB	0.5	038.7				RW04		AA 01100		E F
	030	RW04	TF	FO	0.3	038.7		3.00				AT 00064		GY M
	040		CA	FB		038.7						AA 00342		M
	050	JIDOM	DF	FO								AA 02000		EY
	060	JIDOM	HM	FO		218.8			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BEULA	N345604.89	W0774140.51
JIDOM	N351414.78	W0765525.46
KUYEN	N345442.48	W0770932.36
LUYNI	N345702.08	W0770751.93
ZOSRU	N350107.38	W0770455.24

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW04	N350355.57	W0770253.81	00013	50

QUALITY
6
CHECKED

CITY AND STATE NEW BERN, NC	ELEVATION: 18	TDZE: 17	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1 10 DECEMBER 2015	SUP:
	AIRPORT NAME: COASTAL CAROLINA REGIONAL				AMDT: ORIG-B
					DATED: 10/16/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION TACAN STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES										MISSED APPROACH										
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: ZOKIS/ILM 4.46 DME									
GOLLA/ILM 17.00 DME			ILM VORTAC			201.30 / 17.00			1900		CLIMBING RIGHT TURN TO 3000 HEADING 320 AND ILM R-273 TO DELKO/ILM 14.00 DME AND HOLD.									
KOBBY/ILM 12.00 DME (IAF)			TODSE/ILM 6.00 DME (NOPT)			230.27 / 6.00 (ILM R-050)			3000											
TODSE/ILM 6.00 DME (IF)			ILM VORTAC			230.27 / 6.00			1600											
										ADDITIONAL FLIGHT DATA: HOLD W, LT, 092.92 INBOUND. FAS OBST: 276 TOWER 341930N/0775241W CHART CIRCLING ICON FAC IS 2797' LEFT OF RWY 17 THLD CHART ASR										
1. PT <u>L</u> SIDE OF COURSE <u>024.00</u> OUTBOUND <u>1900</u> FT WITHIN <u>10</u> MILES OF <u>ILM VORTAC</u> (IAF)										MAG VAR: 7W EPOCH YEAR: 1985										
2.																				
3. FAC <u>204.00</u> FAF <u>ILM VORTAC</u> DIST FAF TO MAP <u> </u> THLD <u> </u>																				
4. MIN. ALT <u>ILM VORTAC 1600</u>																				
8. MSA FROM: <u>ILM VORTAC 3100</u>																				
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @								
CATEGORY =====>	A			B			C			D			E							
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA					
CIRCLING	560	1	528	560	1	528	720	2	688	920	3	888								
NOTES:																				
@ CAT D 900-3																				
QUALITY 7 CHECKED																				
CITY AND STATE WILMINGTON, NC			ELEVATION: 32 TDZE:			FACILITY IDENTIFIER: ILM			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: TACAN-A, AMDT 1 10 DECEMBER 2015				SUP							
			AIRPORT NAME: WILMINGTON INTL										AMDT ORIG-B							
													DATE 11/13/2014							

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE											
										ADDITIONAL FLIGHT DATA:									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																			
2. _____																			
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____																			
4. MIN. ALT _____																			
8. MSA FROM: _____										MAG VAR: _____ EPOCH YEAR: _____									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 10 DECEMBER 2015																			
CITY AND STATE JAMESTOWN, ND				ELEVATION: 1498 TDZE: 1495 AIRPORT NAME: JAMESTOWN RGNL				FACILITY IDENTIFIER: JM		PROCEDURE NO./AMDТ NO./EFFECTIVE DATE: NDB RWY 31, AMDT 6C, 06/15/2000						SUP AMDT 6B DATE 10/15/1996			



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: RW27 CLIMB TO 2000 DIRECT RILEY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.10 INBOUND. CHART FAS OBST: 146 ROD ON TWR 324235N/0795802W CHART W-137A DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.09 MILES TO RW27* *LNAV ONLY. WAAS CHANNEL # 77701 REFERENCE PATH ID: W27A LTP HAE: -29.6 M											
BASSO		GEGDE (FO)		075.80 / 29.08			2100													
CHS VORTAC		GEGDE (FO)		134.53 / 17.56			2100													
GEGDE (IF/IAF)		SUVAE (FB)		274.36 / 6.60			1600													
SUVAE (FAF)		CLINO/1.90 NM TO RW27 (FB)		274.29 / 2.96																
CLINO/1.90 NM TO RW27		RW27 (MAP) (FO)		274.26 / 1.90																
RW27 (MAP)		265 MSL		274.26			2000													
265 MSL		RILEY (FO)																		
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E GEGDE, RT, 274.36 INBOUND, 2100 FT. IN LIEU OF PT (IAF) 3. FAC: 274.29 FAF: SUVAE DIST FAF TO MAP: 4.86 THLD: 4.86 4. MIN. ALT: GEGDE 2100, SUVAE 1600, CLINO/1.90 NM TO RW27 640* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1600 GS ALT AT: SUVAE 1600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 41.7 34:1 IS CLEAR 8. MSA FROM: RW27 3100											MAG VAR: 5W					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	265	7/8	250	265	7/8	250	265	7/8	250	265	7/8	250								
LNAV/VNAV DA	303	1	288	303	1	288	303	1	288	303	1	288								
LNAV MDA	400	1	385	400	1	385	400	1 1/8	385	400	1 1/8	385								
CIRCLING	440	1	421	480	1	461	480	1 1/2	461	580	2	561								
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLESTON AFB/INTL ALTIMETER SETTING AND INCREASE ALL CATS DA 32 FEET AND ALL MDA 40 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS AND LNAV CATS C AND D VISIBILITY 1/8 MILE. (CONTINUED ON PAGE 2)																				
CITY AND STATE		ELEVATION: 19		TDZE: 15		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:								
CHARLESTON, SC		AIRPORT NAME:		CHARLESTON EXECUTIVE		RNAV		RNAV (GPS) RWY 27, AMDT 2B				AMDT:								
								10 DECEMBER 2015				DATED 03/05/2015								



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 ARRIVALS ON CHS VORTAC AIRWAY RADIAL 055 CW 219.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CHARLESTON AFB/INTL ALTIMETER SETTING.

CHART NOTE: DME/DME RNP-0.3 NA.

CITY AND STATE
CHARLESTON, SC

ELEVATION: 19 TDZE: 15
AIRPORT NAME:
CHARLESTON EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, AMDT 2B
10 DECEMBER 2015

SUP: 4
AMDT: CHECKED
DATED: 03/05/2015

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	KJZI
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	324218.1300N
LTP/FTP LONGITUDE	0795947.9185W
LTP/FTP ELLIPSOIDAL HEIGHT	-00296
FPAP LATITUDE	324216.9335N
FPAP LONGITUDE	0800133.5025W
THRESHOLD CROSSING HEIGHT (TCH)	00041.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 84159B8A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00036
FPAP ORTHOMETRIC HEIGHT	+00036

CITY AND STATE
CHARLESTON, SC

ELEVATION: 19 TDZE: 15
AIRPORT NAME:
CHARLESTON EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, AMDT 2B
10 DECEMBER 2015

SUP: 4
AMDT: 4
DATED: 03/05/2015

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 - KJZI ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>BASSO</td><td>010</td><td>BASSO</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td></tr> <tr><td>BASSO</td><td>020</td><td>GEGDE</td><td>TF</td><td>FO</td><td>2.0</td><td>075.8</td><td></td><td></td><td></td><td></td><td></td><td>AA 02100</td><td></td><td>EY</td></tr> <tr><td>BASSO</td><td>030</td><td>GEGDE</td><td>HF</td><td>FO</td><td></td><td>274.4</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 02100</td><td></td><td>EE A</td></tr> <tr><td>CHS</td><td>010</td><td>CHS</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>V</td></tr> <tr><td>CHS</td><td>020</td><td>GEGDE</td><td>TF</td><td>FO</td><td>2.0</td><td>134.5</td><td></td><td></td><td></td><td></td><td></td><td>AA 02100</td><td></td><td>EY</td></tr> <tr><td>CHS</td><td>030</td><td>GEGDE</td><td>HF</td><td>FO</td><td></td><td>274.4</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 02100</td><td></td><td>EE A</td></tr> <tr><td></td><td>010</td><td>GEGDE</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 02100</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>SUVAE</td><td>TF</td><td>FB</td><td>0.5</td><td>274.4</td><td></td><td></td><td></td><td>RW27</td><td></td><td>AA 01600</td><td></td><td>E F</td></tr> <tr><td></td><td>021</td><td>CLINO</td><td>TF</td><td>FB</td><td>0.3</td><td>274.3</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AA 00640 GS 00658</td><td></td><td>E S</td></tr> <tr><td></td><td>030</td><td>RW27</td><td>TF</td><td>FO</td><td>0.3</td><td>274.3</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 00053</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>274.3</td><td></td><td></td><td></td><td></td><td></td><td>AA 00265</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>RILEY</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 02000</td><td></td><td>EY</td></tr> <tr><td></td><td>060</td><td>RILEY</td><td>HM</td><td>FO</td><td></td><td>094.1</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 02000</td><td></td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">POINT NAME</th> <th style="text-align: left;">LATITUDE</th> <th style="text-align: left;">LONGITUDE</th> </tr> </thead> <tbody> <tr><td>CHS</td><td>N325339.55</td><td>W0800216.13</td></tr> <tr><td>BASSO</td><td>N323255.92</td><td>W0801845.68</td></tr> <tr><td>CLINO</td><td>N324219.62</td><td>W0795732.83</td></tr> <tr><td>GEGDE</td><td>N324226.53</td><td>W0794613.08</td></tr> <tr><td>RILEY</td><td>N324207.23</td><td>W0801439.70</td></tr> <tr><td>SUVAE</td><td>N324221.87</td><td>W0795402.60</td></tr> </tbody> </table> RUNWAYS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">RUNWAY</th> <th style="text-align: left;">THRESHOLD LATITUDE</th> <th style="text-align: left;">THRESHOLD LONGITUDE</th> <th style="text-align: left;">THRESHOLD ELEVATION</th> <th style="text-align: left;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr> <td>RW27</td> <td>N324218.13</td> <td>W0795947.92</td> <td>00012</td> <td>41.7</td> </tr> </tbody> </table>															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	BASSO	010	BASSO	IF	FB										E	BASSO	020	GEGDE	TF	FO	2.0	075.8						AA 02100		EY	BASSO	030	GEGDE	HF	FO		274.4			R			AA 02100		EE A	CHS	010	CHS	IF	FB										V	CHS	020	GEGDE	TF	FO	2.0	134.5						AA 02100		EY	CHS	030	GEGDE	HF	FO		274.4			R			AA 02100		EE A		010	GEGDE	IF	FB								AA 02100		E I		020	SUVAE	TF	FB	0.5	274.4				RW27		AA 01600		E F		021	CLINO	TF	FB	0.3	274.3		3.00				AA 00640 GS 00658		E S		030	RW27	TF	FO	0.3	274.3		3.00				AT 00053		GY M		040		CA	FB		274.3						AA 00265		M		050	RILEY	DF	FO								AA 02000		EY		060	RILEY	HM	FO		094.1			R			AA 02000		EE	POINT NAME	LATITUDE	LONGITUDE	CHS	N325339.55	W0800216.13	BASSO	N323255.92	W0801845.68	CLINO	N324219.62	W0795732.83	GEGDE	N324226.53	W0794613.08	RILEY	N324207.23	W0801439.70	SUVAE	N324221.87	W0795402.60	RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW27	N324218.13	W0795947.92	00012	41.7
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																																																																																																																																																																																																																																																	
BASSO	010	BASSO	IF	FB										E																																																																																																																																																																																																																																																	
BASSO	020	GEGDE	TF	FO	2.0	075.8						AA 02100		EY																																																																																																																																																																																																																																																	
BASSO	030	GEGDE	HF	FO		274.4			R			AA 02100		EE A																																																																																																																																																																																																																																																	
CHS	010	CHS	IF	FB										V																																																																																																																																																																																																																																																	
CHS	020	GEGDE	TF	FO	2.0	134.5						AA 02100		EY																																																																																																																																																																																																																																																	
CHS	030	GEGDE	HF	FO		274.4			R			AA 02100		EE A																																																																																																																																																																																																																																																	
	010	GEGDE	IF	FB								AA 02100		E I																																																																																																																																																																																																																																																	
	020	SUVAE	TF	FB	0.5	274.4				RW27		AA 01600		E F																																																																																																																																																																																																																																																	
	021	CLINO	TF	FB	0.3	274.3		3.00				AA 00640 GS 00658		E S																																																																																																																																																																																																																																																	
	030	RW27	TF	FO	0.3	274.3		3.00				AT 00053		GY M																																																																																																																																																																																																																																																	
	040		CA	FB		274.3						AA 00265		M																																																																																																																																																																																																																																																	
	050	RILEY	DF	FO								AA 02000		EY																																																																																																																																																																																																																																																	
	060	RILEY	HM	FO		094.1			R			AA 02000		EE																																																																																																																																																																																																																																																	
POINT NAME	LATITUDE	LONGITUDE																																																																																																																																																																																																																																																													
CHS	N325339.55	W0800216.13																																																																																																																																																																																																																																																													
BASSO	N323255.92	W0801845.68																																																																																																																																																																																																																																																													
CLINO	N324219.62	W0795732.83																																																																																																																																																																																																																																																													
GEGDE	N324226.53	W0794613.08																																																																																																																																																																																																																																																													
RILEY	N324207.23	W0801439.70																																																																																																																																																																																																																																																													
SUVAE	N324221.87	W0795402.60																																																																																																																																																																																																																																																													
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH																																																																																																																																																																																																																																																											
RW27	N324218.13	W0795947.92	00012	41.7																																																																																																																																																																																																																																																											
CITY AND STATE CHARLESTON, SC		ELEVATION: 19 TDZE: 15 AIRPORT NAME: CHARLESTON EXECUTIVE		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 2B 10 DECEMBER 2015			SUP: AMDT: 2A DATED: 03/05/2015																																																																																																																																																																																																																																																						



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH											
FROM			TO			COURSE AND DISTANCE				ALTITUDE											
												ADDITIONAL FLIGHT DATA:									
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)																					
2. _____																					
3. FAC ____ FAF _____ DIST FAF TO MAP ____ THLD _____																					
4. MIN. ALT _____																					
8. MSA FROM: _____										MAG VAR: _____ EPOCH YEAR: _____											
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A											
CATEGORY =====>																					
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS						
NOTES:																					
PROCEDURE CANCELED EFFECTIVE 10 DECEMBER 2015																					
CITY AND STATE ABERDEEN, SD				ELEVATION: 1301 TDZE: 1300 AIRPORT NAME: ABERDEEN RGNL				FACILITY IDENTIFIER: AB				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 31, AMDT 10A, 06/15/2000				SUP AMDT 10 DATE 01/28/1999					

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 HATh, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE				ALTITUDE									
										ADDITIONAL FLIGHT DATA:									
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)																			
2. ____																			
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____																			
4. MIN. ALT ____																			
8. MSA FROM:										MAG VAR: EPOCH YEAR:									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 10 DECEMBER 2015																			
CITY AND STATE DYERSBURG, TN				ELEVATION: 338 THRE: 292 AIRPORT NAME: DYERSBURG RGNL				FACILITY IDENTIFIER: DYR		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR/DME RWY 4, AMDT 4, 06/30/2011				SUP AMD'T DATE					
														02/16/2006					

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: CEDBO LNAV: CEDBO CLIMB TO 12000 DIRECT EMCUE, AND ON TRACK 250.11 TO GEERY, AND ON TRACK 172.94 TO DETAN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 031.65 INBOUND. CHART FAS OBST: 5558 TOWER 384534N/1120436W CHART FAS OBST: 5866 GRD 384455N/1120650W. WAAS CHANNEL # 70537 REFERENCE PATH ID: W19A CHART CIRCLING ICON. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 13.52 DEGREES FICTITIOUS THRESHOLD POINT (CFCCH) DO NOT CHART FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD. LTP HAE: 1590.4 M									
DETAN		EBOVE (FO)		031.65 / 56.95				12700											
DTA VORTAC		POOMA (FB)		067.14 / 23.18				12700											
PUC VOR/DME		ALESB (FB)		222.15 / 13.07				12700											
HVE VORTAC		CLOEE (FB)		309.41 / 38.54				12700											
POOMA (IAF)		EBOVE (NOPT) (FB)		136.66 / 22.33				12700											
ALESB (IAF)		EBOVE (NOPT) (FB)		222.05 / 45.00				12700											
CLOEE (IAF)		EBOVE (NOPT) (FB)		272.29 / 27.70				12700											
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE EBOVE, RT, 207.10 INBOUND, 12700 FT. IN LIEU OF PT (IAF) 3. FAC: 207.14 FAF: CETNA DIST FAF TO MAP: 8.55 THLD: 9.03 4. MIN. ALT: EBOVE 12700, CETNA 8200, CENOB/2.71 NM TO CEDBO 6340 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: CEDBO 13400																MAG VAR: 13E		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*	5880	1	594	5880	1	594	5880	1 3/4	594		NA								
LP MDA	7340	1 1/4	2054	7340	1 1/2	2054	7340	3	2054		NA								
LNAV MDA#	6340	1 1/4	1054	6340	1 1/2	1054	6340	3	2154		NA								
LNAV MDA	7440	1 1/4	2154	7440	1 1/2	2154	7440	3	1054		NA								
CIRCLING	7440	1 1/4	2122	7440	1 1/2	2122	7440	3	2122		NA								
NOTES: CHART NOTE: *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 380 FEET PER NM TO 9600. @ CAT A, B 2200-2, CAT C 2200-3 CHART NOTE: #MISSED APPROACH REQUIRES MINIMUM CLIMB OF 390 FEET PER NM TO 9600 CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. (CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 5318 TDZE: 5286				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:							
RICHFIELD, UT		AIRPORT NAME:				RICHFIELD MUNI		RNAV (GPS) RWY 19, AMDT 1A				AMDT: 1							
								10 DECEMBER 2015				DATED 08/20/2015							

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV - STANDARD					
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO	COURSE AND DISTANCE	ALTITUDE	
EBOVE (IF/IAF)	CETNA (FB)		207.10 / 14.59	8200	
CETNA (FAF)	CENOB/2.71 NM TO CEDBO (FB)		207.14 / 5.84		
CENOB/2.71 NM TO CEDBO	CEDBO (MAP) (FO)		207.14 / 2.71		
CEDBO (MAP)	5718 MSL		207.14		
5718 MSL	EMCUE (FB)				
EMCUE	GEERY (FB)		250.11 / 17.46		
GEERY	DETAN (FO)		172.94 / 12.60	12000	
NOTES, (CONT.):					
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.					
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.					
CITY AND STATE		ELEVATION: 5318	TDZE: 5286	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
RICHFIELD, UT		AIRPORT NAME:	FACILITY IDENTIFIER:	RNAV (GPS) RWY 19, AMDT 1A	
		RICHFIELD MUNI	RNAV	10 DECEMBER 2015	
				SUP: 4	
				AMDT: 1	
				DATED: 08/20/2015	

**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	KRIF
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	384438.5480N
LTP/FTP LONGITUDE	1120552.3930W
LTP/FTP ELLIPSOIDAL HEIGHT	+15904
FPAP LATITUDE	384330.3125N
FPAP LONGITUDE	1120705.6300W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 C2D2D326

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+16093
FPAP ORTHOMETRIC HEIGHT	+16093

CITY AND STATE
RICHFIELD, UT

ELEVATION: 5318 TDZE: 5286
AIRPORT NAME:
RICHFIELD MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:
RNAV (GPS) RWY 19, AMDT 1A
10 DECEMBER 2015

SUP: 
AMDT: 
DATED: 08/20/2015

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 - KRIF

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
DETAN	010	DETAN	IF	FB										E
DETAN	020	EBOVE	TF	FO	2.0	031.7						AA 12700		EY
DETAN	030	EBOVE	HF	FO		207.1			R			AA 12700		EE A
DTA	010	DTA	IF	FB										V
DTA	020	POOMA	TF	FB	2.0	067.1						AA 12700		E A
DTA	030	EBOVE	TF	FB	1.0	136.7						AA 12700		EE B
HVE	010	HVE	IF	FB										V
HVE	020	CLOEE	TF	FB	2.0	309.4						AA 12700		E A
HVE	030	EBOVE	TF	FB	1.0	272.3						AA 12700		EE B
PUC	010	PUC	IF	FB										V
PUC	020	ALESH	TF	FB	2.0	222.2						AA 12700		E A
PUC	030	EBOVE	TF	FB	1.0	222.1						AA 12700		EE B
	010	EBOVE	IF	FB								AA 12700		E I
	020	CETNA	TF	FB	0.5	207.1				CEDBO		AA 08200		E F
	021	CENOB	TF	FB	0.3	207.1		3.00				AA 06340 GS 06340		E S
	030	CEDBO	TF	FO	0.3	207.1		3.00				AT 05478		EY M
	040		CA	FB		207.1						AA 05718		M
	050	EMCUE	DF	FB										E
	060	GEERY	TF	FB	1.0	250.1								E
	070	DETAN	TF	FO	1.0	172.9						AA 12000		EY
	080	DETAN	HM	FO		031.7			L			AA 12000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
DTA	N391807.96	W1123020.00
HVE	N382500.53	W1104159.04
PUC	N393611.49	W1104512.70
ALESH	N392842.15	W1105903.91
CEDBO	N384500.65	W1120528.66
CENOB	N384705.04	W1120315.01
CETNA	N385133.23	W1115826.18
CLOEE	N385530.84	W1111206.69
DETAN	N382222.30	W1123746.69
EBOVE	N390244.32	W1114624.18
EMCUE	N383702.69	W1121400.71
GEERY	N383454.86	W1123607.27

CITY AND STATE RICHFIELD, UT	ELEVATION: 5318 TDZE: 5286	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 19, AMDT 1A 10 DECEMBER 2015	SUP: QUALITY
	AIRPORT NAME: RICHFIELD MUNI			AMDT: 4
				DATED: 08/20/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> 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.
---	---

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> 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.
---	---

POOMA	N392202.61	W1120052.98		
RUNWAYS				
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW19	N384434.15	W1120545.63	05280	45

POOMA	N392202.61	W1120052.98		
RUNWAYS				
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW19	N384434.15	W1120545.63	05280	45

POOMA	N392202.61	W1120052.98		
RUNWAYS				
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW19	N384434.15	W1120545.63	05280	45

POOMA	N392202.61	W1120052.98		
RUNWAYS				
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW19	N384434.15	W1120545.63	05280	45

CITY AND STATE
RICHFIELD, UT

ELEVATION: 5318	TDZE: 5286
AIRPORT NAME:	
RICHFIELD MUNI	

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 19, AMDT 1A
 10 DECEMBER 2015

SUP:	4
AMDT:	1
DATED:	08/20/2015

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.
ROANOKE, VA	ROANOKE-BLACKSBURG RGNL/WOODRUM FIELD	10 DECEMBER 2015	11

TAKEOFF MINIMUMS:

RWY 6, STANDARD WITH MINIMUM CLIMB OF 585 FT PER NM TO 3000 OR 2600-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 16, STANDARD WITH MINIMUM CLIMB OF 340 FT PER NM TO 3300 OR 2600-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 24, STANDARD WITH MINIMUM CLIMB OF 242 FT PER NM TO 2800 OR 2600-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 34, NA – OBSTACLES.

TEXTUAL DEPARTURE PROCEDURES:

RWY 6, CLIMB ON HEADING 057.72 TO 3200 BEFORE PROCEEDING ON COURSE.

RWY 16, CLIMB ON HEADING 155.92 TO 3000 BEFORE PROCEEDING ON COURSE.

RWY 24, CLIMB ON HEADING 237.73 AND ON I-SZK LDA LOCALIZER WEST COURSE TO 4200 TO DIXXY INT/I-SZK 15.25 DME BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS ROANOKE-BLACKSBURG RGNL/WOODRUM FIELD AT OR ABOVE 3600 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, TREES AND BUSHES BEGINNING 88 FT FROM DER, 340 FT RIGHT OF CENTERLINE, UP TO 59 FT AGL/1159 FT MSL. TREES 238 FT FROM DER, 540 FT RIGHT OF CENTERLINE, UP TO 71 FT AGL/1171 FT MSL. TREES BEGINNING 1536 FT FROM DER, 298 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1219 FT MSL. TREES BEGINNING 2.7 NM FROM DER, 2645 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/1864 FT MSL. TREES BEGINNING 2.8 NM FROM DER, 2912 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/2271 FT MSL. TOWERS BEGINNING 2.9 NM FROM DER, 3455 FT LEFT OF CENTERLINE, UP TO 216 FT AGL/2407 FT MSL.

NOTE: RWY 16, SIGN 40 FT FROM DER, 252 FT LEFT OF CENTERLINE, 18 FT AGL/1144 FT MSL. TREES ON HILLTOP 1.1 NM FROM DER, 2211 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/1336 FT MSL.

NOTE: RWY 24, SIGN 42 FT FROM DER, 249 FT LEFT OF CENTERLINE, 13 FT AGL/1154 FT MSL. TREE 2872 FT FROM DER, 1246 FT LEFT OF CENTERLINE, 92 FT AGL/1232 FT MSL.

CONTROLLING OBSTACLES:

RWY 6: 2407 FT MSL TOWER 372224.64N/0795535.79W (CLIMB GRADIENT). 3397 FT MSL AAO 372332.83N/0800212.19W (CLIMB-TO ALTITUDE).

RWY 16: 3771 FT MSL AAO 370702.56N/0800055.85W (CLIMB GRADIENT AND CLIMB-TO ALTITUDE).

RWY 24: 2339 FT MSL AAO 371524.24N/0800530.72W (CLIMB GRADIENT).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 6/16: 3397 FT MSL AAO 372332.83N/0800212.19W. RWY 24: 2879 FT MSL AAO 371455.53N/0800503.89W.

VCOA: 3397 FT MSL AAO 372332.83N/0800212.19W.



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.
ROANOKE, VA	ROANOKE-BLACKSBURG RGNL/WOODRUM FIELD	10 DECEMBER 2015	11

REMARKS:

LETTER OF APPROVAL ON FILE FOR RWY 6, CG 585 FT/NM TO 3000.

FLIGHT INSPECTED BY:

Digitally signed by
BOB S PRESSLER **JULIE A MORGAN** FICO 09/30/2015
Oct 07, 2015

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

Digitally signed by
MIKE MELSSSEN **MIKE MELSSSEN** AJV-5412 8/3/2015
Aug 31, 2015

APPROVED BY:

Digitally signed by
GEORGE GONZALEZ AJV-5410 **JULIE A MORGAN**
Oct 07, 2015

COORDINATED WITH:

ATA, ALPA, AOPA, NBAA, ZDC, ROA APP CON, ROA ATCT, AMGR.

CHANGES:

1. CHANGED AIRPORT NAME FROM ROANOKE RGNL/WOODRUM FIELD TO ROANOKE-BLACKSBURG RGNL/WOODRUM FIELD.
2. INCREASED CLIMB-TO ALTITUDE FOR RWY 6 FROM 3000 TO 3200, FOR TEXTUAL DP.
3. CHANGED RWY 24 TEXTUAL DEPARTURE PROCEDURE FROM "CLIMB ON I-SZK LDA LOCALIZER WEST COURSE TO 4200 TO DIXXY INT/I-SZK 15.25 DME BEFORE PROCEEDING ON COURSE" TO "CLIMB ON HEADING 237.73 AND ON I-SZK LDA LOCALIZER WEST COURSE TO 4200 TO DIXXY INT/I-SZK 15.25 DME BEFORE PROCEEDING ON COURSE.
4. CHANGED VCOA INSTRUCTIONS FROM "RWY 6, 16, 24: FOR CLIMB IN VISUAL CONDITIONS, CROSS ROANOKE RGNL/WOODRUM FIELD AT OR ABOVE 3500 FT BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE" TO "OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS ROANOKE-BLACKSBURG RGNL/WOODRUM FIELD AT OR ABOVE 3600 BEFORE PROCEEDING ON COURSE.
5. UPDATED TAKEOFF OBSTACLE NOTES.
6. LOWERED RWY 16 CLIMB GRADIENT FROM 420 TO 340 FT PER NM.

REASONS:

1. PER AIRNAV.
- 2.5. NEW OBSTACLE EVALUATION.
3. IAW 8260.46E CHAPTER 2 FIGURE 2-1-1 FOOTNOTES.
4. IAW 8260.46E CHAPTER 2 FIGURE 2-1-2 FOOTNOTES.
6. 420 CLIMB GRADIENT NO LONGER REQUIRED – 340 CLIMB GRADIENT SUFFICIENT.

QUALITY
3
CHECKED

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31045](#); Amdt. No. [3668](#)]

**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 [OCTOBER 23, 2015](#)

A handwritten signature in black ink, appearing to read "John Duncan", with a long, sweeping horizontal stroke extending to the right.

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
10-Dec-15	CT	New Haven	Tweed-New Haven	5/0067	10/6/15	RNAV (GPS) RWY 2, Orig-A
10-Dec-15	VA	Blacksburg	Virginia Tech/ Montgomery Executive	5/0384	10/6/15	RNAV (GPS) RWY 30, Orig
10-Dec-15	VA	Blacksburg	Virginia Tech/ Montgomery Executive	5/0385	10/6/15	LOC/DME RWY 12, Amdt 1A
10-Dec-15	VA	Blacksburg	Virginia Tech/ Montgomery Executive	5/0386	10/6/15	NDB-A, Amdt 4
10-Dec-15	SC	Loris	Twin City	5/1076	10/6/15	GPS RWY 26, Orig
10-Dec-15	LA	Bogalusa	George R Carr Memorial Air Fld	5/1114	10/7/15	RNAV (GPS) RWY 18, Amdt 1A
10-Dec-15	AK	Kiana	Bob Baker Memorial	5/2959	10/13/15	RNAV (GPS) RWY 24, Orig
10-Dec-15	AK	Kiana	Bob Baker Memorial	5/2960	10/13/15	RNAV (GPS) RWY 6, Orig-A
10-Dec-15	AK	Wales	Wales	5/2969	10/13/15	RNAV (GPS) RWY 18, Orig-A
10-Dec-15	AK	Wales	Wales	5/2971	10/13/15	RNAV (GPS) RWY 36, Orig-A
10-Dec-15	UT	Cedar City	Cedar City Rgnl	5/3365	10/13/15	VOR RWY 20, Amdt 6B
10-Dec-15	KS	Topeka	Forbes Field	5/4370	10/19/15	VOR/DME OR TACAN RWY 21, Amdt 7
10-Dec-15	KS	Topeka	Forbes Field	5/4375	10/19/15	RNAV (GPS) RWY 31, Orig
10-Dec-15	KS	Topeka	Forbes Field	5/4401	10/19/15	VOR/DME OR TACAN RWY 3, Amdt 6A
10-Dec-15	KS	Topeka	Forbes Field	5/4402	10/19/15	RNAV (GPS) RWY 13, Orig
10-Dec-15	KS	Topeka	Forbes Field	5/4415	10/19/15	ILS OR LOC RWY 31, Amdt 9E
10-Dec-15	KS	Topeka	Forbes Field	5/4421	10/19/15	NDB RWY 13, Amdt 7A
10-Dec-15	NY	Hornell	Hornell Muni	5/4602	10/6/15	RNAV (GPS) RWY 36, Orig
10-Dec-15	TN	Dickson	Dickson Muni	5/4695	10/16/15	VOR/DME RWY 17, Amdt 4D
10-Dec-15	TN	Dickson	Dickson Muni	5/4696	10/16/15	NDB RWY 17, Amdt 2C
10-Dec-15	NY	New York	John F Kennedy Intl	5/5037	10/16/15	COPTER RNAV (GPS) 028, Orig-A
10-Dec-15	WI	Appleton	Outagamie County Rgnl	5/6204	10/6/15	Takeoff Minimums and (Obstacle) DP, Orig
10-Dec-15	WV	Moundsville	Marshall County	5/6267	10/16/15	RNAV (GPS) RWY 24, Orig
10-Dec-15	WV	Moundsville	Marshall County	5/6268	10/16/15	RNAV (GPS) RWY 6, Orig-A

10-Dec-15	WV	Moundsville	Marshall County	5/6269	10/16/15	VOR/DME-A, Amdt 2
10-Dec-15	AK	Atkasuk	Atkasuk Edward Burnell Sr Memorial	5/6532	10/13/15	RNAV (GPS) RWY 24, Amdt 1
10-Dec-15	AK	Atkasuk	Atkasuk Edward Burnell Sr Memorial	5/6533	10/13/15	NDB RWY 6, Amdt 2A
10-Dec-15	AK	Atkasuk	Atkasuk Edward Burnell Sr Memorial	5/6534	10/13/15	RNAV (GPS) RWY 6, Amdt 1
10-Dec-15	SC	Greenwood	Greenwood County	5/6959	10/6/15	NDB OR GPS RWY 27, Amdt 1A
10-Dec-15	SC	Hilton Head Island	Hilton Head	5/7041	10/16/15	VOR/DME A, Amdt 10
10-Dec-15	SC	Hilton Head Island	Hilton Head	5/7043	10/16/15	RNAV (GPS) RWY 3, Orig
10-Dec-15	SC	Hilton Head Island	Hilton Head	5/7044	10/16/15	RNAV (GPS) RWY 21, Orig
10-Dec-15	NY	Glens Falls	Floyd Bennett Memorial	5/7078	10/6/15	RNAV (GPS) RWY 30, Orig-A
10-Dec-15	NY	Glens Falls	Floyd Bennett Memorial	5/7079	10/6/15	RNAV (GPS) RWY 19, Amdt 1
10-Dec-15	NY	Glens Falls	Floyd Bennett Memorial	5/7080	10/6/15	ILS OR LOC RWY 1, Amdt 4
10-Dec-15	NY	Glens Falls	Floyd Bennett Memorial	5/7081	10/6/15	RNAV (GPS) RWY 12, Orig
10-Dec-15	NY	Glens Falls	Floyd Bennett Memorial	5/7082	10/6/15	RNAV (GPS) RWY 1, Amdt 1
10-Dec-15	AK	Tok	Tok Junction	5/7135	10/13/15	RNAV (GPS)-A, Orig-A
10-Dec-15	AK	Tok	Tok Junction	5/7136	10/13/15	RNAV (GPS) RWY 7, Orig A
10-Dec-15	MN	Marshall	Southwest Minnesota Rgnl Marshall/Ryan Fld	5/7677	10/6/15	Takeoff Minimums and (Obstacle) DP, Amdt 2
10-Dec-15	NY	Oneonta	Oneonta Muni	5/7752	10/16/15	LOC RWY 24, Amdt 2B
10-Dec-15	NY	Oneonta	Oneonta Muni	5/7753	10/16/15	RNAV (GPS) RWY 24, Orig-A
10-Dec-15	PA	Altoona	Altoona-Blair County	5/7925	10/19/15	VOR-A, Amdt 5A
10-Dec-15	AK	Coldfoot	Coldfoot	5/8238	10/13/15	RNAV (GPS) RWY 1, Amdt 1B
10-Dec-15	AK	Coldfoot	Coldfoot	5/8239	10/13/15	RNAV (GPS)-A, Orig-B
10-Dec-15	MI	Detroit	Coleman A Young Muni	5/8400	10/6/15	ILS OR LOC RWY 33, Amdt 14B
10-Dec-15	MN	Windom	Windom Muni	5/8581	10/6/15	RNAV (GPS) RWY 35, Orig
10-Dec-15	AR	Magnolia	Magnolia Muni	5/9813	10/6/15	Takeoff Minimums and (Obstacle) DP, Amdt 1
10-Dec-15	KS	Junction City	Freeman Field	5/9816	10/6/15	Takeoff Minimums and (Obstacle) DP, Amdt 2

AIRAC Date: 10 DECEMBER 2015

FDC **5/0067** HVN IAP TWEED-NEW HAVEN, NEW HAVEN, CT. RNAV (GPS) RWY 2, ORIG-A... DELETE NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 5000 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NA. THIS IS RNAV (GPS) RWY 2 ORIG-B. 1510021334-PERM

FDC **5/0384** BCB IAP VIRGINIA TECH/MONTGOMERY EXECUTIVE, BLACKSBURG, VA. RNAV (GPS) RWY 30, ORIG... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CIRCLING CAT A MDA 2760/HAA 628, CAT C MDA 2960/HAA 828, CAT C VIS 2 1/2. CHART CIRCLING ICON. THIS IS RNAV (GPS) RWY 30 ORIG-A. 1510021923-PERM

FDC **5/0385** BCB IAP VIRGINIA TECH/MONTGOMERY EXECUTIVE, BLACKSBURG, VA. LOC/DME RWY 12, AMDT 1A... CIRCLING CAT A MDA 2760/HAA 628, CAT C MDA 2960/HAA 828, CAT C VIS 2 /12. CHART CIRCLING ICON. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS LOC/DME RWY 12, AMDT 1B. 1510021923-PERM

FDC **5/0386** BCB IAP VIRGINIA TECH/MONTGOMERY EXECUTIVE, BLACKSBURG, VA. NDB-A, AMDT 4... CHART CIRCLING ICON. THIS IS NDB-A, AMDT 4A. 1510021923-PERM

FDC **5/1076** 5J9 IAP TWIN CITY, LORIS, SC. GPS RWY 26, ORIG... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS GPS RWY 26 ORIG-A. 1510051807-PERM

FDC **5/1114** BXA IAP GEORGE R CARR MEMORIAL AIR FLD, BOGALUSA, LA. RNAV (GPS) RWY 18, AMDT 1A... DELETE PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/TCH 50). THIS IS RNAV (GPS) RWY 18, AMDT 1B. 1510051932-PERM

FDC **5/2959** IAN IAP BOB BAKER MEMORIAL, KIANA, AK. RNAV (GPS) RWY 24, ORIG... LNAV HAT 1831 ALL CATS. CIRCLING HAA 1829 ALL CATS. CHART TDZE 169. CHART FIELD ELEVATION 171. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 24 ORIG-A. 1508141650-PERM

FDC **5/2960** IAN IAP BOB BAKER MEMORIAL, KIANA, AK. RNAV (GPS) RWY 6, ORIG-A... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 6 ORIG-B. 1508141650-PERM

FDC **5/2969** IWK IAP WALES, WALES, AK. RNAV (GPS) RWY 18, ORIG-A... LNAV HAT 544 ALL CATS, CIRCLING HAA 544 ALL CATS. TDZE 26. AIRPORT ELEVATION 26. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TIN CITY ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 18 ORIG-B. 1508141717-PERM

FDC **5/2971** IWK IAP WALES, WALES, AK. RNAV (GPS) RWY 36, ORIG-A... LNAV HAT 1514 ALL CATS, CIRCLING HAA 1514 ALL CATS. TDZE 26. AIRPORT ELEVATION 26. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TIN CITY ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 36 ORIG-B. 1508141717-PERM

FDC **5/3365** CDC IAP CEDAR CITY RGNL, CEDAR CITY, UT. VOR RWY 20, AMDT 6B... S-20 MDA 6040/HAT 440 ALL CATS. VDP AT CDC 3.54 DME. DISTANCE VDP TO THLD 1.21 MILES. CIRCLING CAT A MDA 6040/HAA 418. THIS IS VOR RWY 20, AMDT 6C. 1510081321-PERM

FDC **5/4370** FOE IAP FORBES FIELD, TOPEKA, KS. VOR/DME OR TACAN RWY 21, AMDT 7... CIRCLING CAT A HAA 442, CAT B-C HAA 502, CAT D MDA 1700/HAA 622. AIRPORT ELEVATION 1078. CHART CIRCLING ICON. THIS IS VOR/DME OR TACAN RWY 21, AMDT 7A. 1510091629-PERM

FDC **5/4375** FOE IAP FORBES FIELD, TOPEKA, KS. RNAV (GPS) RWY 31, ORIG... CIRCLING CAT D MDA 1700/HAA 622. CHART CIRCLING ICON. THIS IS RNAV (GPS) RWY 31 ORIG-A. 1510091638-PERM

FDC **5/4401** FOE IAP FORBES FIELD, TOPEKA, KS. VOR/DME OR TACAN RWY 3, AMDT 6A... CIRCLING CAT A HAA 442, CAT B-C HAA 502, CAT D MDA 1700/HAA 622. AIRPORT ELEVATION 1078. CHART CIRCLING ICON. THIS IS VOR/DME OR TACAN RWY 3, AMDT 6B. 1510091719-PERM

FDC **5/4402** FOE IAP FORBES FIELD, TOPEKA, KS. RNAV (GPS) RWY 13, ORIG... CIRCLING CAT D MDA 1700/HAA 622. CHART CIRCLING ICON. CIRCLING CAT A/B VIS 1. THIS IS RNAV (GPS) RWY 13 ORIG-A. 1510091721-PERM

FDC **5/4415** FOE IAP FORBES FIELD, TOPEKA, KS. ILS OR LOC RWY 31, AMDT 9E... CIRCLING CAT D MDA 1700/HAA 622. ALTERNATE MINIMUMS: ILS STANDARD, EXCEPT CAT D 700-2, CAT E 700-2 1/4, LOC: STANDARD, EXCEPT CAT E 800-2 1/4; NA WHEN LOCAL WEATHER NOT AVAILABLE, NA WHEN CONTROL TOWER CLOSED. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHILIP BILLARD MUNI ALTIMETER SETTING AND INCREASE DA 45 FEET, AND ALL MDA 60 FEET, INCREASE S-31 CAT E VISIBILITY TO RVR 6000, S-LOC CAT E VISIBILITY TO 1 1/4 AND CIRCLING CAT E VISIBILITY TO 2 1/2. THIS IS ILS OR LOC RWY 31, AMDT 9F. 1510091753-PERM

FDC **5/4421** FOE IAP FORBES FIELD, TOPEKA, KS. NDB RWY 13, AMDT 7A...
CIRCLING CAT D MDA 1700/HAA 622. ZAGLU FIX MINIMUMS: CIRCLING CAT D
MDA 1700/HAA 622. CHART CIRCLING ICON. THIS IS NDB RWY 13, AMDT 7B.
1510091756-PERM

FDC **5/4602** HTF IAP HORNELL MUNI, HORNELL, NY. RNAV (GPS) RWY 36,
ORIG... LPV DA 1660/HAT 465. VIS 1 1/2 ALL CATS. LNAV/VNAV DA 2343. LNAV
HAT 925 ALL CATS. CHART TDZE 1195. DELETE THRE 1194. DELETE NOTE:
CIRCLING TO RWY 18 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 18
NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ:
HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS
IS RNAV (GPS) RWY 36 ORIG-A. 1506081206-PERM

FDC **5/4695** M02 IAP DICKSON MUNI, DICKSON, TN. VOR/DME RWY 17, AMDT
4D... DELETE NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER
VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION
BELOW 3/4 SM NOT AUTHORIZED. THIS IS VOR/DME RWY 17, AMDT 4E.
1509231237-PERM

FDC **5/4696** M02 IAP DICKSON MUNI, DICKSON, TN. NDB RWY 17, AMDT 2C...
DELETE NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY
REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4
SM NOT AUTHORIZED. THIS IS NDB RWY 17, AMDT 2D. 1509231240-PERM

FDC **5/5037** JFK IAP JOHN F KENNEDY INTL, NEW YORK, NY. COPTER RNAV
(GPS) 028, ORIG-A... MSA MINIMUM ALTITUDE 2900. DELETE NOTE: PROCEED
VFR FROM HELOG WP OR CONDUCT THE SPECIFIED MISSED APPROACH.
CHART PLANVIEW NOTE: PROCEED VFR FROM HELOG WP OR CONDUCT THE
SPECIFIED MISSED APPROACH. THIS IS COPTER RNAV (GPS) 028 ORIG-B.
1510131057-PERM

FDC **5/6204** ATW ODP OUTAGAMIE COUNTY RGNL, APPLETON, WI. TAKEOFF
MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... CHANGE
AIRPORT NAME TO READ: APPLETON INTL. ALL OTHER DATA REMAINS AS
PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE
PROCEDURES, ORIG-A. 1508201554-PERM

FDC **5/6267** MPG IAP MARSHALL COUNTY, MOUNDSVILLE, WV. RNAV (GPS)
RWY 24, ORIG... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER
VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS)
RWY 24 ORIG-A. 1510141509-PERM

FDC **5/6268** MPG IAP MARSHALL COUNTY, MOUNDSVILLE, WV. RNAV (GPS) RWY 6, ORIG-A... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 6 ORIG-B. 1510141509-PERM

FDC **5/6269** MPG IAP MARSHALL COUNTY, MOUNDSVILLE, WV. VOR/DME-A, AMDT 2... CHART NOTE: PROCEDURE NA AT NIGHT. THIS IS VOR/DME-A, AMDT 2A. 1510141509-PERM

FDC **5/6532** ATK IAP ATQASUK EDWARD BURNELL SR MEMORIAL, ATQASUK, AK. RNAV (GPS) RWY 24, AMDT 1... CHART TDZE 101. APT ELEV 101. LNAV HAT 339, CAT A/B/C. CIRCLING HAA CAT A 379, CAT B/C 459.. THIS IS RNAV (GPS) RWY 24, AMDT 1A. 1506261401-PERM

FDC **5/6533** ATK IAP ATQASUK EDWARD BURNELL SR MEMORIAL, ATQASUK, AK. NDB RWY 6, AMDT 2A... TDZE 101. APT ELEV 101. S-6 HAT 559 CAT A/B/C. CIRCLING HAA 559 CAT A/B/C. THIS IS NDB RWY 6, AMDT 2B. 1506261401-PERM

FDC **5/6534** ATK IAP ATQASUK EDWARD BURNELL SR MEMORIAL, ATQASUK, AK. RNAV (GPS) RWY 6, AMDT 1... TDZE 101. APT ELEV 101. LNAV HAT 319, CAT A/B/C. CIRCLING HAA CAT A 379, CAT B/C 459.. THIS IS RNAV (GPS) RWY 6, AMDT 1A. 1506261401-PERM

FDC **5/6959** GRD IAP GREENWOOD COUNTY, GREENWOOD, SC. NDB OR GPS RWY 27, AMDT 1A... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS NDB OR GPS RWY 27, AMDT 1B. 1509281242-PERM

FDC **5/7041** HXD IAP HILTON HEAD, HILTON HEAD ISLAND, SC. VOR/DME-A, AMDT 10... DELETE NOTE: USE SAVANNAH ALTIMETER SETTING. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. ALTERNATE MINIMUMS: CATS A/B STANDARD, CAT C 800- 2 1/4, CAT D 800-2 1/2. THIS IS VOR/DME-A, AMDT 10A. 1510151100-PERM

FDC **5/7043** HXD IAP HILTON HEAD, HILTON HEAD ISLAND, SC. RNAV (GPS) RWY 3, ORIG... LNAV CAT D VIS 1 1/2. DELETE NOTE: USE SAVANNAH ALTIMETER SETTING. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 3 ORIG-A. 1510151100-PERM

FDC **5/7044** HXD IAP HILTON HEAD, HILTON HEAD ISLAND, SC. RNAV (GPS) RWY 21, ORIG... LNAV CATS C/D VIS 1 3/8. DELETE NOTE: USE SAVANNAH ALTIMETER SETTING. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 21 ORIG-A. 1510151100-PERM

FDC **5/7078** GFL IAP FLOYD BENNETT MEMORIAL, GLENS FALLS, NY. RNAV (GPS) RWY 30, ORIG-A... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING: RWY 12, 30 NA. DELETE NOTE: GPS OR RNP 0.3 REQUIRED. THIS IS RNAV (GPS) RWY 30 ORIG-B. 1509281554-PERM

FDC **5/7079** GFL IAP FLOYD BENNETT MEMORIAL, GLENS FALLS, NY. RNAV (GPS) RWY 19, AMDT 1... CHART NOTE: NIGHT LANDING: RWY 12, 30 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 19, AMDT 1A. 1509281554-PERM

FDC **5/7080** GFL IAP FLOYD BENNETT MEMORIAL, GLENS FALLS, NY. ILS OR LOC RWY 1, AMDT 4... CHART NOTE: NIGHT LANDING: RWY 12, 30 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS ILS OR LOC RWY 1, AMDT 4A. 1509281554-PERM

FDC **5/7081** GFL IAP FLOYD BENNETT MEMORIAL, GLENS FALLS, NY. RNAV (GPS) RWY 12, ORIG... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: GPS OR RNP 0.3 REQUIRED. CHART NOTE: NIGHT LANDING: RWY 12, 30 NA. THIS IS RNAV (GPS) RWY 12 ORIG-A. 1509281554-PERM

FDC **5/7082** GFL IAP FLOYD BENNETT MEMORIAL, GLENS FALLS, NY. RNAV (GPS) RWY 1, AMDT 1... CHART NOTE: NIGHT LANDING: RWY 12, 30 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 1, AMDT 1A. 1509281554-PERM

FDC **5/7135** 6K8 IAP TOK JUNCTION, TOK, AK. RNAV (GPS)-A, ORIG-A... CIRCLING HAA 937 ALL CATS. CHART AIRPORT ELEV 1643. THIS IS RNAV (GPS)-A ORIG-B. 1509281714-PERM

FDC **5/7136** 6K8 IAP TOK JUNCTION, TOK, AK. RNAV (GPS) RWY 7, ORIG-A... LNAV HAT 857 ALL CATS. CIRCLING HAA 897 ALL CATS. CHART TDZE 1643. CHART AIRPORT ELEV 1643. THIS IS RNAV (GPS) RWY 7 ORIG-B. 1509281714-PERM

FDC **5/7677** MML ODP SOUTHWEST MINNESOTA RGNL MARSHALL/RYAN FLD, MARSHALL, MN. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2... ADD TO TAKEOFF OBSTACLE NOTES: RWY 2: RUNWAY LIGHT 39 FEET FROM DER, 79 FEET LEFT OF CENTERLINE, 3 FEET AGL/1174 FEET MSL; TREES BEGINNING 1324 FEET FROM DER, 796 FEET LEFT OF CENTERLINE, UP TO 89 FEET AGL/1256 FEET MSL. RWY 20: RUNWAY LIGHT 42 FEET FROM DER, 77 FEET LEFT OF CENTERLINE, 2 FEET AGL, 1183 FEET MSL; RUNWAY LIGHT 41 FEET FROM DER, 78 FEET RIGHT OF CENTERLINE, 2 FEET AGL/ 1182 FEET MSL. ALL OTHER DATA REMAINS AS PUBLISHED.. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 2A. 1508241520-PERM

FDC **5/7752** N66 IAP ONEONTA MUNI, ONEONTA, NY. LOC RWY 24, AMDT 2B... DELETE NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING: RWY 6 NA. THIS IS LOC RWY 24, AMDT 2C. 1509291927-PERM

FDC **5/7753** N66 IAP ONEONTA MUNI, ONEONTA, NY. RNAV (GPS) RWY 24, ORIG-A... DELETE NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING: RWY 6 NA. THIS IS RNAV (GPS) RWY 24 ORIG-B. 1509291927-PERM

FDC **5/7925** AOO IAP ALTOONA-BLAIR COUNTY, ALTOONA, PA. VOR-A, AMDT 5A... CHART NOTE: CIRCLING TO RWY 03/12/30 NA AT NIGHT. THIS IS VOR-A, AMDT 5B. 1510161142-PERM

FDC **5/8238** CXF IAP COLDFOOT, COLDFOOT, AK. RNAV (GPS) RWY 1, AMDT 1B... CHART NOTE: NIGHT LANDING: RWY 19 NA. DELETE NOTE: PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 1, AMDT 1C. 1508251308-PERM

FDC **5/8239** CXF IAP COLDFOOT, COLDFOOT, AK. RNAV (GPS)-A, ORIG-B... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 19 NA. THIS IS RNAV (GPS)-A ORIG-C. 1508251308-PERM

FDC **5/8400** DET IAP COLEMAN A YOUNG MUNI, DETROIT, MI. ILS OR LOC RWY 33, AMDT 14B... TERMINAL ROUTE GOMAC INT/YQG 5.1 DME TO CARGL NDB/YQG 8.5 DME DISTANCE 3.4 NM. CHART FAS OBST: 935 STACK 422131.00N/0825737.00W. CHANGE NIGHT LANDING NOTE TO READ: NIGHT LANDING RWY 7, 25 NA. TDZE 626. S-ILS 33 DA 876. S-LOC 33 MDA 1200/HAT 574 ALL CATS, VIS CAT C/D 1 5/8. DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/ TCH 49 FEET). THIS IS ILS OR LOC RWY 33, AMDT 14C. 1508251501-PERM

FDC **5/8581** MWM IAP WINDOM MUNI, WINDOM, MN. RNAV (GPS) RWY 35, ORIG... LNAV MDA 1840/HAT 429 ALL CATS, CAT C VISIBILITY 1 1/4. CIRCLING HAA 489 ALL CATS. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. DELETE NOTE: PROCEDURE NOT AUTHORIZED AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART AIRPORT ELEV 1411. CHART TDZE 1411. CHART FAS OBST: 1588 TWR 435252N/0950712W. THIS IS RNAV (GPS) RWY 35 ORIG-A. 1508251657-PERM

FDC **5/9813** AGO ODP MAGNOLIA MUNI, MAGNOLIA, AR. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1... TAKEOFF MINIMUMS: RWY 18, 36 STANDARD. CHANGE TAKEOFF OBSTACLE NOTES TO READ, NOTE: RWY 18, GRD, BUSHES, TREES BEGINNING 27 FT FROM DER, 150 FT RIGHT OF CENTERLINE, UP TO 336 FT MSL. OL POLE 340 FT FROM DER, 180 FT LEFT OF CENTERLINE, 333 FT MSL. BRINE WELL 334 FT FROM DER, 188 FT LEFT OF CENTERLINE, 322 FT AGL/328 FT MSL. TREES BEGINNING 1189 FT FROM DER, 247 FT RIGHT OF CENTERLINE, UP TO 409 FT MSL. TREES BEGINNING 1337 FT FROM DER, 837 FT LEFT OF CENTERLINE, UP TO 386 FT MSL. TREES BEGINNING 2596 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 455 FT MSL. WATER TOWER 5118 FT FROM DER, 1444 FT RIGHT OF CENTERLINE, 135 FT AGL/459 FT MSL. NOTE: RWY 36, TREES BEGINNING 632 FT FROM DER, 364 FT LEFT OF CENTERLINE, UP TO 385 FT MSL. TREES BEGINNING 277 FT FROM DER, 351 FT RIGHT OF CENTERLINE, UP TO 354 FT MSL. TREES BEGINNING 1751 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 383 FT MSL. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 1A. 1510012003-PERM

FDC **5/9816** 3JC ODP FREEMAN FIELD, JUNCTION CITY, KS. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2... TAKEOFF MINIMUMS: RWY13, 31 NA, ENVIRONMENTAL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 2A. 1510012011-PERM