

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 15-17

July 2, 2015

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

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

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31026](#); Amdt. No. [3651](#)]

**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 [JULY 2, 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 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 20 AUGUST 2015

Bentonville, AR, Bentonville Muni/Louise M Thaden Field, VOR-A, Amdt 13A
 San Jose, CA, Norman Y Mineta San Jose Intl, RNAV (RNP) Z RWY 12L, Amdt 2
 San Jose, CA, Norman Y Mineta San Jose Intl, RNAV (RNP) Z RWY 12R, Amdt 3
 Washington, DC, Ronald Reagan Washington National, Takeoff Minimums and Obstacle DP, Amdt 8
 Casey, IL, Casey Muni, NDB RWY 4, Amdt 8, CANCELED
 Casey, IL, Casey Muni, NDB RWY 22, Amdt 5, CANCELED
 Great Bend, KS, Great Bend Muni, NDB-A, Amdt 5A, CANCELED
 Ashland, KY, Ashland Rgnl, RNAV (GPS) RWY 10, Amdt 1B
 Ashland, KY, Ashland Rgnl, RNAV (GPS) RWY 28, Amdt 1B
 Somerset, KY, Lake Cumberland Rgnl, RNAV (GPS) RWY 23, Amdt 1A
 Great Barrington, MA, Walter J Koladza, RNAV (GPS) RWY 11, Orig-B
 Aitkin, MN, Aitkin Muni-Steve Kurtz Field, Takeoff Minimums and Obstacle DP, Amdt 4
 Cando, ND, Cando Muni, RNAV (GPS) RWY 16, Orig
 Cando, ND, Cando Muni, RNAV (GPS) RWY 34, Orig
 Cando, ND, Cando Muni, Takeoff Minimums and Obstacle DP, Orig
 Blairstown, NJ, Blairstown, RNAV (GPS) RWY 7, Orig-A
 Blairstown, NJ, Blairstown, RNAV (GPS) RWY 25, Amdt 2A
 Las Vegas, NV, Mc Carran Intl, ILS OR LOC RWY 25L, Amdt 5
 Las Vegas, NV, Mc Carran Intl, ILS OR LOC RWY 25R, Amdt 18
 Alva, OK, Alva Rgnl, RNAV (GPS) RWY 18, Orig
 Alva, OK, Alva Rgnl, RNAV (GPS) RWY 35, Orig, CANCELED
 Alva, OK, Alva Rgnl, RNAV (GPS) RWY 36, Orig
 Alva, OK, Alva Rgnl, Takeoff Minimums and Obstacle DP, Amdt 2
 Wagoner, OK, Hefner-Easley, RNAV (GPS) RWY 36, Amdt 1A
 Redmond, OR, Roberts Field, ILS OR LOC RWY 23, Amdt 5
 Redmond, OR, Roberts Field, RNAV (GPS) RWY 11, Amdt 2
 Redmond, OR, Roberts Field, RNAV (GPS) Y RWY 5, Amdt 2
 Redmond, OR, Roberts Field, RNAV (GPS) Y RWY 23, Amdt 1
 Redmond, OR, Roberts Field, RNAV (RNP) Z RWY 5, Amdt 2
 Redmond, OR, Roberts Field, RNAV (RNP) Z RWY 23, Amdt 2
 Redmond, OR, Roberts Field, Takeoff Minimums and Obstacle DP, Amdt 6
 Redmond, OR, Roberts Field, VOR/DME RWY 23, Amdt 4
 West Chester, PA, Brandywine, RNAV (GPS) RWY 9, Amdt 1
 West Chester, PA, Brandywine, RNAV (GPS) RWY 27, Amdt 1
 West Chester, PA, Brandywine, Takeoff Minimums and Obstacle DP, Amdt 1
 West Chester, PA, Brandywine, VOR-A, Amdt 4
 Sonora, TX, Sonora Muni, Takeoff Minimums and Obstacle DP, Amdt 2
 Stratford, TX, Stratford Field, VOR/DME OR GPS-A, Amdt 4, CANCELED
 Richfield, UT, Richfield Muni, HAMET RNAV OBSTACLE THREE, GRAPHIC DP
 Richfield, UT, Richfield Muni, RICHFIELD RNAV OBSTACLE TWO, GRAPHIC DP
 Moneta, VA, Smith Mountain Lake, RNAV (GPS) RWY 23, Orig-B

Norfolk, VA, Norfolk Intl, RNAV (GPS) RWY 14, Orig-D

Norfolk, VA, Norfolk Intl, RNAV (GPS) RWY 32, Orig-D

Chetik, WI, Chetek Muni-Southworth, VOR/DME-A, Orig-B, CANCELED

Cumberland, WI, Cumberland Muni, VOR/DME-A, Orig-A, CANCELED

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: 7.31 MILES AFTER RZC VORTAC OR AT WAMSE/7.31 DME FIX									
											CLIMBING RIGHT TURN TO 3100 DIRECT RZC VORTAC AND HOLD.									
											ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1471 TOWER 362012N/0941209W CHART 1633 TOWER 361754N/0941021W. CHART 1610 TOWER 362008N/0941034W. FAC CROSSES MID POINT OF RWY 18/36.									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																				
2. HOLD SE RZC VORTAC, RT, 317.29 INBOUND, 3100 FT. IN LIEU OF PT (IAF)																				
3. FAC 317.29 FAF RZC VORTAC _____ DIST FAF TO MAP 7.31 THLD _____																				
4. MIN. ALT RZC VORTAC 3100, TAGSE/6.31 DME 1960* *1980 WHEN USING FAYETTEVILLE/SPRINGDALE ALTIMETER SETTING.																				
8. MSA FROM: RZC VORTAC 090-180 4500, 180-090 3600										MAG VAR: 4E EPOCH YEAR:1995										
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @								
CATEGORY =====>		A			B			C			D			E						
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
CIRCLING		1960	1	662	1960	1	662	1960	1 3/4	662		NA								
TAGSE FIX MINIMUMS																				
CIRCLING		1780	1	482	1780	1	482	1780	1 1/2	482		NA								
NOTES:																				
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FAYETTEVILLE/SPRINGDALE ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET, INCREASE CAT C VISIBILITY 1/4 MILE.										@ NA WHEN LOCAL WEATHER NOT AVAILABLE.										
CITY AND STATE BENTONVILLE, AR		ELEVATION: 1298 AIRPORT NAME: BENTONVILLE MUNI/LOUISE M THADEN FIELD			TDZE:			FACILITY IDENTIFIER: RZC			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 13A 20 AUGUST 2015					SUP AMDT 10 13 DATE 01/10/2013				

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above 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		RNP: DA						
ARTAQ (IAF)		OMSEE (TF) (FB) (RNP 1.00)		119.50 / 2.00				1800		CLIMB TO 4600 ON TRACK 122.80 TO COKOR AND ON TRACK 121.43 TO GILRO AND HOLD.						
OMSEE (IF)		HINIR (TF) (FB) (RNP 1.00)		122.77 / 2.20				1100								
HITIR (IF)		ZORSA (TF) (FB) (RNP 1.00)		302.77 / 3.14				3000		ADDITIONAL FLIGHT DATA: HOLD NW, LT, 121.54 INBOUND. DISTANCE TO THLD FROM 341 HAT: 0.89 NM. CHART MANDATORY 4000 AT HITIR. CHART MINIMUM 4500 AT WADVA. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S ROUTE TYPE: A, H #TCH 94.6 MSL (DO NOT CHART)						
ZORSA		NIBUY (RF) (FB) (RNP 1.00)		(2.23 NM RADIUS CW (CFBLQ))/4.48				1800								
NIBUY		HINIR (RF) (FB) (RNP 1.00)		(2.22 NM RADIUS CW (CFBLF))/2.51				1100								
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 16E EPOCH YEAR: 1990						
2. PROFILE STARTS AT HINIR																
3. FAC: 122.78 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																
4. MIN. ALT: HINIR 1100																
5. DIST TO THLD FROM OM: 3.16 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 1100 GS ALT AT: HINIR 1100 OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.00 TCH: 57.0# 34:1 IS CLEAR																
8. MSA FROM: RW12L 5700																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD										
CATEGORY =====>		A		B		C		D		E						
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED																
RNP 0.18 DA		385	1 1/8	341	385	1 1/8	341	385	1 1/8	341	385	1 1/8	341			
RNP 0.30 DA		451	1 3/8	407	451	1 3/8	407	451	1 3/8	407	451	1 3/8	407			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 0C (32F) OR ABOVE 54C (130F). CHART PLANVIEW NOTE ADJACENT TO WADVA IAF: RF REQUIRED.																
(SEE FORM 8260-10)																
CITY AND STATE SAN JOSE, CA		ELEVATION: 62 TDZE: 44 AIRPORT NAME: NORMAN Y MINETA SAN JOSE INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 12L, AMDT 2 20 AUGUST 2015						SUP: AMDT: 1 DATED 03/05/2015				

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 (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO	COURSE AND DISTANCE	ALTITUDE	
WADVA (IAF)		RERAE (TF) (FB) (RNP 1.00)	071.08 / 4.00	3500	
RERAE (IF)		NIBUY (TF) (FB) (RNP 1.00)	057.91 / 5.36	1800	
HINIR (FAF)		RW12L (MAP) (TF) (FO)	122.78 / 3.16		
RW12L (MAP)		COKOR (TF) (FB) (RNP 1.00)	122.80 / 7.11		
COKOR		GILRO (TF) (FO) (RNP 1.00)	121.43 / 19.23	4600	
NOTES, (CONT.): CHART PLANVIEW NOTE ADJACENT TO HITIR: RF REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: RADAR REQUIRED. CHART NOTE: GPS REQUIRED. CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS. CHART SPEED ICON IN PLANVIEW AT ZORSA: MAX 210 KIAS. CHART SPEED ICON IN PLANVIEW AT NIBUY: MAX 210 KIAS.					
CITY AND STATE SAN JOSE, CA		ELEVATION: 62 AIRPORT NAME: NORMAN Y MINETA SAN JOSE INTL	TDZE: 44	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 12L, AMDT 2 20 AUGUST 2015
					SUP: AMDT: 1 DATED: 03/05/2015

QUALITY
25
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Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

[illegible]

CITY AND STATE SAN JOSE, CA	ELEVATION: 62 AIRPORT NAME: NORMAN Y MINETA SAN JOSE INTL	TDZE: 44	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
				RNAV (RNP) Z RWY 12L, AMDT 2	AMDT: 1
				20 AUGUST 2015	DATED: 03/05/2015

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QUALITY
15
CHECKED

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

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CITY AND STATE SAN JOSE, CA	ELEVATION: 62 AIRPORT NAME: NORMAN Y MINETA SAN JOSE INTL	TDZE: 44	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
				RNAV (RNP) Z RWY 12L, AMDT 2	AMDT: 1
				20 AUGUST 2015	DATED: 03/05/2015

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 (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (RNP)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ARTAQ	ARTAQ	010	IAF	IF		FB					
	ARTAQ	OMSEE	020		TF		FB	1.0			AA 01800	
	ARTAQ	HINIR	030		TF		FB	1.0			AA 01100	
	HITIR	HITIR	010		IF		FB				AT 04000	
	HITIR	ZORSA	020		TF		FB	1.0			AA 03000	AB 210
	HITIR	NIBUY	030		RF	R	FB	1.0		004.5	AA 01800	AB 210
	HITIR	HINIR	040		RF	R	FB	1.0		002.5	AA 01100	
	WADVA	WADVA	010	IAF	IF		FB				AA 04500	
	WADVA	RERAE	020		TF		FB	1.0			AA 03500	
	WADVA	NIBUY	030		TF		FB	1.0			AA 01800	AB 210
	WADVA	HINIR	040		RF	R	FB	1.0		002.5	AA 01100	
		HINIR	020	FAF	IF		FB				AA 01100	
		RW12L	030	MAP	TF		FO	0.3			AT 00095	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		COKOR	040		TF		FB	1.0				
		GILRO	050		TF		FO	1.0			AA 04600	
		GILRO	060		HM	L	FO		121.5 (137.5T)	005.0	AA 04600	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		GILRO	N370246.62		W1213406.76		N3702.777		W12134.113			
		ARTAQ	N372748.04		W1220225.34		N3727.801		W12202.422			
		CFBLF	N372314.92		W1220056.48		N3723.249		W12200.941			
		CFBLQ	N372314.81		W1220056.44		N3723.247		W12200.941			
		COKOR	N371658.57		W1215021.83		N3716.976		W12150.364			
		HINIR	N372442.95		W1215850.56		N3724.716		W12158.843			
		HITIR	N371924.84		W1220026.61		N3719.414		W12200.444			
		NIBUY	N372523.30		W1220142.69		N3725.388		W12201.712			
		OMSEE	N372622.55		W1220039.98		N3726.376		W12200.666			
		RERAE	N372354.18		W1220810.83		N3723.903		W12208.181			
		WADVA	N372342.04		W1221311.62		N3723.701		W12213.194			
		ZORSA	N372146.66		W1220302.38		N3721.778		W12203.040			
		RW12L	N372220.25		W1215613.97		N3722.338		W12156.233			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW12L	00038		57							

QUALITY
15
CHECKED

CITY AND STATE SAN JOSE, CA	ELEVATION: 62	TDZE: 44	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: NORMAN Y MINETA SAN JOSE INTL		RNAV	RNAV (RNP) Z RWY 12L, AMDT 2	AMDT: 1
				20 AUGUST 2015	DATED: 03/05/2015

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH					
FROM			TO			COURSE AND DISTANCE			ALTITUDE			RNP: DA CLIMB TO 4600 ON TRACK 122.80 TO HOSBO AND ON TRACK 120.89 TO GILRO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 121.54 INBOUND. DISTANCE TO THLD FROM 334 HAT: 0.89 NM. CHART MANDATORY 4000 AT HITIR. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S ROUTE TYPE: A, H #TCH 95.7 MSL (DO NOT CHART) CHART MINIMUM 4500 AT WADVA.					
ARTAQ (IAF)			SUNNE (TF) (FB) (RNP 1.00)			122.80 / 2.00			1800								
SUNNE (IF)			FOXAG (TF) (FB) (RNP 1.00)			122.77 / 2.20			1100								
HITIR (IF)			ZORSA (TF) (FB) (RNP 1.00)			302.77 / 3.14			3000								
ZORSA			PUAKO (RF) (FB) (RNP 1.00)			(2.17 NM RADIUS CW (CFBNV) / 4.39			1800								
PUAKO			FOXAG (RF) (FB) (RNP 1.00)			(2.17 NM RADIUS CW (CFBNV) / 2.42			1100			MAG VAR: 16E EPOCH YEAR: 1990					
(SEE FORM 8260-10)																	
1. _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT FOXAG 3. FAC: <u>122.78</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: FOXAG 1100 5. DIST TO THLD FROM OM: <u>3.15</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>1100</u> GS ALT AT: FOXAG 1100 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: #58.0 34:1 IS CLEAR 8. MSA FROM: RW12R 5700																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD					
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
AUTHORIZATION REQUIRED																	
RNP 0.15 DA	380	5/8	334	380	5/8	334	380	5/8	334	380	5/8	334					
RNP 0.30 DA	486	1	440	486	1	440	486	1	440	486	1	440					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 0C (32F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART SPEED ICON IN PLANVIEW AT ZORSA : MAX 210 KIAS. (SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 62 TDZE: 46				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
SAN JOSE, CA				AIRPORT NAME:								RNAV (RNP) Z RWY 12R, AMDT 3				AMDT: 2	
				NORMAN Y MINETA SAN JOSE INTL								20 AUGUST 2015				DATED 03/05/2015	



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 (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33				
TERMINAL ROUTES, (CONT.):				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
WADVA (IAF)	RERAE (TF) (FB) (RNP 1.00)	071.08 / 4.00	3500	
RERAE (IF)	PUAKO (TF) (FB) (RNP 1.00)	058.80 / 5.34	1800	
FOXAG (FAF)	RW12R (MAP) (TF) (FO)	122.78 / 3.15		
RW12R (MAP)	HOSBO (TF) (FB) (RNP 1.00)	122.80 / 9.13		
HOSBO	GILRO (TF) (FO) (RNP 1.00)	120.89 / 17.22	4600	
NOTES, (CONT.): CHART SPEED ICON IN PLANVIEW AT PUAKO : MAX 210 KIAS. CHART PLANVIEW NOTE ADJACENT TO WADVA IAF: RF REQUIRED. CHART PLANVIEW NOTE ADJACENT TO HITIR (IF): RF REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.				
QUALITY 25 CHECKED				
CITY AND STATE SAN JOSE, CA	ELEVATION: 62 AIRPORT NAME: NORMAN Y MINETA SAN JOSE INTL	TDZE: 46	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 12R, AMDT 3 20 AUGUST 2015
				SUP:
				AMDT: 2
				DATED: 03/05/2015

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[illegible]

CITY AND STATE SAN JOSE, CA	ELEVATION: 62 AIRPORT NAME: NORMAN Y MINETA SAN JOSE INTL	TDZE: 46	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
				RNAV (RNP) Z RWY 12R, AMDT 3	AMDT: 2
				20 AUGUST 2015	DATED: 03/05/2015

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QUALITY
15
CHECKED

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QUALITY
15
CHECKED

CITY AND STATE SAN JOSE, CA	ELEVATION: 62	TDZE: 46	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 12R, AMDT 3 20 AUGUST 2015	SUP:
	AIRPORT NAME: NORMAN Y MINETA SAN JOSE INTL			AMDT: 2
				DATED: 03/05/2015
		RNAV		

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 (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (RNP)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ARTAQ	ARTAQ	010	IAF	IF		FB					
	ARTAQ	SUNNE	020		TF		FB	1.0			AA 01800	
	ARTAQ	FOXAG	030		TF		FB	1.0			AA 01100	
	HITIR	HITIR	010		IF		FB				AT 04000	
	HITIR	ZORSA	020		TF		FB	1.0			AA 03000	AB 210
	HITIR	PUAKO	030		RF	R	FB	1.0		004.4	AA 01800	AB 210
	HITIR	FOXAG	040		RF	R	FB	1.0		002.4	AA 01100	
	WADVA	WADVA	010	IAF	IF		FB				AA 04500	
	WADVA	RERAE	020		TF		FB	1.0			AA 03500	
	WADVA	PUAKO	030		TF		FB	1.0			AA 01800	AB 210
	WADVA	FOXAG	040		RF	R	FB	1.0		002.4	AA 01100	
		FOXAG	020	FAF	IF		FB				AA 01100	
		RW12R	030	MAP	TF		FO	0.3			AT 00096	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		HOSBO	040		TF		FB	1.0				
		GILRO	050		TF		FO	1.0			AA 04600	
		GILRO	060		HM	L	FO		121.5 (137.5T)	005.0	AA 04600	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		GILRO	N370246.62		W1213406.76		N3702.777		W12134.113			
		ARTAQ	N372748.04		W1220225.34		N3727.801		W12202.422			
		CFBNV	N372312.51		W1220059.72		N3723.209		W12200.995			
		FOXAG	N372438.31		W1215856.98		N3724.639		W12158.950			
		HITIR	N371924.84		W1220026.61		N3719.414		W12200.444			
		HOSBO	N371522.80		W1214848.71		N3715.380		W12148.812			
		PUAKO	N372518.19		W1220142.33		N3725.303		W12201.706			
		RERAE	N372354.18		W1220810.83		N3723.903		W12208.181			
		SUNNE	N372617.63		W1220046.10		N3726.294		W12200.768			
		WADVA	N372342.04		W1221311.62		N3723.701		W12213.194			
		ZORSA	N372146.66		W1220302.38		N3721.778		W12203.040			
		RW12R	N372215.77		W1215620.57		N3722.263		W12156.343			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW12R	00038		58							

QUALITY
15
CHECKED

CITY AND STATE SAN JOSE, CA	ELEVATION: 62	TDZE: 46	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: NORMAN Y MINETA SAN JOSE INTL		RNAV	RNAV (RNP) Z RWY 12R, AMDT 3	AMDT: 2
				20 AUGUST 2015	DATED: 03/05/2015

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

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City, State	Airport	Effective Date	Amdt. No.
WASHINGTON, DC	RONALD REAGAN WASHINGTON NATIONAL	20 AUGUST 2015	8

TAKEOFF MINIMUMS:

RWY 1, 600-2 WITH MINIMUM CLIMB OF 275 FT PER NM TO 1500 OR STANDARD WITH MINIMUM CLIMB OF 460 FT PER NM TO 800.

RWY 4, 300-2 OR STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NOT LATER THAN 1400 FT PRIOR TO DER.

RWY 15, 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 215 FT PER NM TO 400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1500 FT PRIOR TO DER.

RWY 19, 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.

RWY 22, 500-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 305 FT PER NM TO 600.

RWY 33, STANDARD WITH MINIMUM CLIMB OF 285 FT PER NM TO 700.

TEXTUAL DEPARTURE PROCEDURES:

RWY 1: CLIMBING LEFT TURN AS SOON AS PRACTICAL TO INTERCEPT DCA VOR/DME R-328. MAINTAIN 5000 OR AS ASSIGNED.

RWY 4: CLIMBING RIGHT TURN AS SOON AS PRACTICAL TO INTERCEPT DCA VOR/DME R-070. MAINTAIN 2000 OR AS ASSIGNED.

RWY 15: CLIMB HEADING 151.64 TO 5000 OR AS ASSIGNED.

RWY 19: CLIMB HEADING 184.50 TO 500 BEFORE TURNING RIGHT. MAINTAIN 5000 OR AS ASSIGNED.

RWY 22: CLIMB HEADING 214.56 TO 3000 OR AS ASSIGNED.

RWY 33: CLIMB ON DCA VOR/DME R-328. MAINTAIN 5000 OR AS ASSIGNED.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1, BUILDINGS BEGINNING 118 FT FROM DER, 332 FT RIGHT OF CENTERLINE, UP TO 10 FT AGL/22 FT MSL. FENCE 261 FT FROM DER, 514 FT LEFT OF CENTERLINE, 9 FT AGL/19 FT MSL. LIGHT POLE AND TREES BEGINNING 995 FT FROM DER, 210 FT LEFT OF CENTERLINE, UP TO 47 FT AGL/49 FT MSL. TREES BEGINNING 1008 FT FROM DER, 499 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/72 FT MSL. TREES 1365 FT FROM DER, 333 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/51 FT MSL. TREES BEGINNING 1744 FT FROM DER, 152 FT LEFT OF CENTERLINE, UP TO 70 FT AGL/71 FT MSL. MONUMENT 1.7 NM FROM DER, 1787 FT RIGHT OF CENTERLINE, 556 FT AGL/595 FT MSL.

NOTE: RWY 4, TERRAIN AND MICROWAVE SENSORS BEGINNING 3 FT FROM DER, 260 FT RIGHT OF CENTERLINE, UP TO 7 FT AGL/18 FT MSL. SIGN AND TOWER BEGINNING 857 FT FROM DER, 677 FT LEFT OF CENTERLINE, UP TO 72 FT AGL/84 FT MSL. SPIRE 1.6 NM FROM DER, 208 FT RIGHT OF CENTERLINE, 236 FT AGL/265 FT MSL.

NOTE: RWY 15, ELECTRICAL SYSTEMS BEGINNING 178 FT FROM DER, 288 FT RIGHT OF CENTERLINE, UP TO 10 FT AGL/19 FT MSL. TREES 1.4 NM FROM DER, 13 FT RIGHT OF CENTERLINE, UP TO 94 FT AGL/245 FT MSL. TREES 1.5 NM FROM DER, 520 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/235 FT MSL.

NOTE: RWY 19, TREES 3434 FT FROM DER, 1135 FT RIGHT OF CENTERLINE, UP TO 96 FT AGL/105 FT MSL. BUILDING 1.1 NM FROM DER, 1891 FT RIGHT OF CENTERLINE, 171 FT AGL/189 FT MSL.

NOTE: RWY 22, LIGHT POLE 216 FT FROM DER, 478 FT LEFT OF CENTERLINE, 15 FT AGL/23 FT MSL. TREES BEGINNING 550 FT FROM DER, 498 FT RIGHT OF CENTERLINE, UP TO 56 FT AGL/57 FT MSL. TREES, BUILDINGS, AND POLES BEGINNING 1324 FT FROM DER, 205 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/110 FT MSL. TREES 3098 FT FROM DER, 18 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/91 FT MSL. TREES 2898 FT FROM DER, 605 FT LEFT OF CENTERLINE, UP TO 98 FT AGL/102 FT MSL. BUILDING AND POLE BEGINNING 4270 FT FROM DER, 651 FT RIGHT OF CENTERLINE, UP TO 110 FT AGL/148 FT MSL. BUILDING 1.7 NM FROM DER, 2473 FT RIGHT OF CENTERLINE, 200 FT AGL/420 FT MSL. BUILDING 2.3 NM FROM DER, 1008 FT RIGHT OF CENTERLINE, 324 FT AGL/443 FT MSL.

NOTE: RWY 33, SIGN 18 FT FROM DER, 191 FT LEFT OF CENTERLINE, 3 FT AGL/15 FT MSL. FENCE AND POLE BEGINNING 27 FT FROM DER, 332 FT RIGHT OF CENTERLINE, UP TO 18 FT AGL/28 FT MSL. VEHICLES ON ROAD AND TREES BEGINNING 365 FT FROM DER, 344 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/70 FT MSL. TREES BEGINNING 533 FT FROM DER, 101 FT LEFT OF CENTERLINE, UP TO 37 FT AGL/39 FT MSL. POLES AND TREES BEGINNING 641 FT FROM DER, 165 FT RIGHT OF CENTERLINE, UP TO 56 FT AGL/60 FT MSL. CRANES AND TREES BEGINNING 882 FT FROM DER, 289 FT LEFT OF CENTERLINE, UP TO 82 FT AGL/95 FT MSL. TREES BEGINNING 1603 FT FROM DER, 78 FT RIGHT OF CENTERLINE, UP TO 79 FT AGL/83 FT MSL. POLES AND BUILDINGS BEGINNING 1777 FT FROM DER, 868 FT LEFT OF CENTERLINE, UP TO 124 FT AGL/145 FT MSL. POLES BEGINNING 2917 FT FROM DER, 511 FT RIGHT OF CENTERLINE, UP TO 78 FT AGL/105 FT MSL. BUILDINGS AND ANTENNAS BEGINNING 4379 FT FROM DER, 246 FT LEFT OF CENTERLINE, UP TO 115 FT AGL/151 FT MSL.

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
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WASHINGTON, DC	RONALD REAGAN WASHINGTON NATIONAL	20 AUGUST 2015	8

CONTROLLING OBSTACLES:

RWY 1: 1049 FT MSL TOWER 385624.20N/0770452.42W (275 FT PER NM CLIMB GRADIENT). 595 FT MSL MONUMENT 385322.00N/0770207.00W (460 FT PER NM CLIMB GRADIENT, CEILING, VISIBILITY).

RWY 4: 265 FT MSL SPIRE 385238.83N/0770106.34W.

RWY 15: 245 FT MSL TREE 384949.86N/0770048.40W (CLIMB GRADIENT, CLIMB-TO ALTITUDE, CEILING). 239 FT MSL TREE 384944.42N/0770051.15W (VISIBILITY).

RWY 19: 189 FT MSL BUILDING 384920.48N/0770229.29W.

RWY 22: 370 FT MSL BUILDING 384900.00N/0770359.00W (CLIMB GRADIENT, CLIMB-TO ALTITUDE). 443 FT MSL BUILDING 384826.98N/0770357.36W (CEILING, VISIBILITY).

RWY 33: 470 FT MSL BUILDING 385343.00N/0770415.00W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 4 – 1048 FT MSL TOWER 385746.00N/0770135.00W.

RWY 33 – 1049 FT MSL TOWER 385624.20N/0770452.42W.

REMARKS:

CHART NOTE AT BOTTOM OF TAKEOFF MINIMUMS: PROHIBITED AREA (P-56) 1.5 NM NORTH OF AIRPORT.



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
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City, State	Airport	Effective Date	Amdt. No.
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ADDITIONAL REMARKS (NOT CHARTED):

1. UNABLE TO CONSTRUCT RWY 1 AND RWY 33 DEPARTURE ROUTES THAT WOULD PERMIT A STANDARD 200 FT PER NM CLIMB. ATC HAS REQUESTED TO OPT OUT OF PUBLISHING A VCOA AS IT IS NOT PRACTICAL DUE TO HIGH TRAFFIC VOLUME AND PROHIBITED AIRSPACE 1.5 NM NORTH OF THE AIRPORT.
2. DEPARTURE ROUTES FOR RWY 15, 19, 22 AND CLIMB TO ALTITUDES FOR RWY 1, 4, 33 PUBLISHED FOR PROHIBITED AIRSPACE AVOIDANCE AND TO MEET ATC FLOW REQUIREMENTS.
3. RWY 1: 460 FT PER NM CLIMB GRADIENT ROUNDED UP TO NEXT HIGHEST 5 FT INCREMENT FOR PUBLICATION (COMPUTED VALUE 455 FT PER NM); 275 FT PER NM CLIMB GRADIENT ROUND TO NEXT HIGHEST 5 FT INCREMENT FOR PUBLICATION (COMPUTED VALUE 272 FT PER NM).
4. RWY 4 CLIMB GRADIENT ROUNDED UP TO NEXT HIGHEST 5 FT INCREMENT FOR PUBLICATION (COMPUTED VALUE 209 FT PER NM).
5. RWY 15 CLIMB GRADIENT ROUNDED UP TO NEXT HIGHEST 5 FT INCREMENT FOR PUBLICATION (COMPUTED VALUE 213 FT PER NM).
6. RWY 19 CLIMB GRADIENT ROUNDED UP TO NEXT HIGHEST 5 FT INCREMENT FOR PUBLICATION (COMPUTED VALUE 203 FT PER NM).
7. RWY 22 CLIMB GRADIENT ROUNDED UP TO NEXT HIGHEST 5 FT INCREMENT FOR PUBLICATION (COMPUTED VALUE 303 FT PER NM).
8. RWY 33 CLIMB GRADIENT ROUNDED UP TO NEXT HIGHEST 5 FT INCREMENT FOR PUBLICATION (COMPUTED VALUE 281 FT PER NM).

FLIGHT INSPECTED BY:

STEPHEN BAUER *Digitally signed by* FICO
JOSE A ALFONSO

05/22/2015

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

Jun 23, 2015

Digitally signed by
PETER GUIMOND **PETER R GUIMOND** AJV-5413
Mar 25, 2015

03/25/2014

APPROVED BY:

Digitally signed by
ADOLFO URRUTIA **ADOLFO D URRUTIA** AJV-5410
Jun 18, 2015

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZDC, POTOMAC APP CON, DCA TOWER, ARPT MGR

CHANGES:

1. AMENDED RWY 1 TAKEOFF MINIMUMS FROM 600-2 WITH MINIMUM CLIMB OF 270 FT PER NM TO 1400 OR STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO READ 600-2 WITH MINIMUM CLIMB OF 275 FT PER NM TO 1500 OR STANDARD WITH MINIMUM CLIMB OF 460 FT PER NM TO 800.
2. AMENDED RWY 4 TAKEOFF MINIMUMS FROM 400-3 OR STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 420 TO READ 300-2 OR STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NOT LATER THAN 1400 FT PRIOR TO DER.
3. AMENDED RWY 15 TAKEOFF MINIMUMS FROM 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 300 TO READ 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 215 FT PER NM TO 400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1400 FT PRIOR TO DER.
4. AMENDED RWY 19 TAKEOFF MINIMUMS FROM 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 300 TO READ 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.
5. AMENDED RWY 22 TAKEOFF MINIMUMS FROM 500-3 OR STANDARD WITH MINIMUM CLIMB OF 280 FT PER NM TO 700 TO READ 500-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 305 FT PER NM TO 600.
6. AMENDED RWY 33 TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 246 FT PER NM TO 1100 TO READ STANDARD WITH MINIMUM CLIMB OF 285 FT PER NM TO 700.
7. AMENDED RWY 19 TEXTUAL DEPARTURE PROCEDURE HEADING FROM 184.51 TO 185.50.
8. AMENDED CONTROLLING OBSTACLES FOR ALL RUNWAYS.
9. AMENDED RWY 1, 4, 15, 22, AND 33 TAKEOFF OBSTACLE NOTES. ADDED TAKEOFF OBSTACLE NOTES FOR RWY 19.

REASONS:

- 1, 2, 3, 4, 5, 6. NEW OBSTACLE STUDY. CLIMB GRADIENTS ROUNDED UP TO NEXT HIGHER 5 FT INCREMENT TO PRECLUDE NOTAM ACTION SHOULD RUNWAY OR CONTROLLING OBSTACLE ELEVATIONS CHANGE. RUNWAY REDUCTION OPTION ADDED TO RWY 4, 15, AND 19 IN ACCORDANCE WITH CURRENT DOCUMENTATION POLICY.
7. MATCH UPDATED AIRNAV VALUE.
8. FORMATTED IN ACCORDANCE WITH CURRENT DOCUMENTATION POLICY.
9. GROUPED AND FORMATTED IN ACCORDANCE WITH CURRENT DOCUMENTATION POLICY.



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)										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 20 AUGUST 2015																			
CITY AND STATE CASEY, IL				ELEVATION: 654 TDZE: 653 AIRPORT NAME: CASEY MUNI				FACILITY IDENTIFIER: CZB		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: NDB RWY 4, AMDT 8, 07/29/2010				SUP NDB OR GPS RWY 4					
														AMD'T 7					
														DATE 04/23/1998					



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 =====>		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 20 AUGUST 2015																			
CITY AND STATE CASEY, IL		ELEVATION: 654 TDZE: 654 AIRPORT NAME: CASEY MUNI			FACILITY IDENTIFIER: CZB			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 22, AMDT 5, 07/29/2010					SUP AMDT 4 DATE 04/13/2006						

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 =====>		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 20 AUGUST 2015																			
CITY AND STATE GREAT BEND, KS				ELEVATION: 1887 TDZE: AIRPORT NAME: GREAT BEND MUNI				FACILITY IDENTIFIER: HIL				PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: NDB-A, AMDT 5A, 04/08/2010				SUP NDB OR GPS-A AMD'T 5 DATE 01/06/1994			



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: RW10 LNAV: RW10 CLIMB TO 3300 DIRECT JUDSS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 283.33 INBOUND. CHART FAS OBST: 939 TREE 383320N/0824824W CHART FAS OBST: 959 TREE 383355N/0824454W WAAS CHANNEL # 72723 REFERENCE PATH ID: W10A LTP HAE: 133.4 M									
NYOME (IF/IAF)			YNONA (FB)			103.02 / 6.80			2100											
YNONA (FAF)			UKICU/2.80 NM TO RW10 (FB)			103.11 / 1.94														
UKICU/2.80 NM TO RW10			RW10 (MAP) (FO)			103.11 / 2.80														
RW10 (MAP)			946 MSL			103.11			3300											
946 MSL			JUDSS (FO)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W NYOME, RT, 103.02 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC: 103.11 FAF: YNONA DIST FAF TO MAP: 4.74 THLD: 4.74 4. MIN. ALT: NYOME 3300, YNONA 2100, UKICU/2.80 NM TO RW10 1480 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: _____																	MAG VAR: 5W		EPOCH YEAR: 1995	
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT											ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A			B			C			D			E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA					
LP MDA	1200	1	654	1200	1	654	1200	1 7/8	654	1200	1 7/8	654								
LNAV MDA	1220	1	674	1220	1	674	1220	1 7/8	674	1220	1 7/8	674								
CIRCLING	1320	1	774	1320	1	774	1380	2 1/2	834	1380	2 3/4	834								
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: DESCENT ANGLE NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HUNTINGTON ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE LNAV CAT B, AND CIRCLING ALL CATS VISIBILITY 1/4 MILE; (SEE FORM 8260-10)																				
CITY AND STATE ASHLAND, KY				ELEVATION: 546 TDZE: 546 AIRPORT NAME: ASHLAND RGNL				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1B 20 AUGUST 2015				SUP:				
																AMDT: 1A				
																DATED 06/26/2014				



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.):

INCREASE LNAV AND LP CATS C AND D VISIBILITY 1/8 MILE.

CHART NOTE: NIGHT LANDING: RWY 10 NA.

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

TAA

	FROM	TO	ALT
1.	013/30 CW 193/30 (NOPT)	NYOME (IF/IAF) (FB)	3300
2.	193/30 CW 013/30	NYOME (IF/IAF) (FO)	3300

CITY AND STATE

ASHLAND, KY

ELEVATION: 546

TDZE: 546

AIRPORT NAME:

ASHLAND RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, AMDT 1B

20 AUGUST 2015

SUP:

AMDT:

DATED:

QUALITY
4
CHECKED

1A

06/26/2014

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDWU
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	383320.1375N
LTP/FTP LONGITUDE	0824451.7315W
LTP/FTP ELLIPSOIDAL HEIGHT	+01334
FPAP LATITUDE	383307.4500N
FPAP LONGITUDE	0824259.3000W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1040
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 0A09580E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01663
FPAP ORTHOMETRIC HEIGHT	+01663

CITY AND STATE
ASHLAND, KY

ELEVATION: 546 TDZE: 546
AIRPORT NAME:
ASHLAND RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 10, AMDT 1B
20 AUGUST 2015

SUP: 
AMDT: 1A
DATED: 06/26/2014

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

[illegible]

CITY AND STATE ASHLAND, KY	ELEVATION: 546 TDZE: 546 AIRPORT NAME: ASHLAND RGNL	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
		RNAV	RNAV (GPS) RWY 10, AMDT 1B	4
			20 AUGUST 2015	AMDT:
				DATED: 06/26/2014

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												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	NYOME	NYOME	010	IAF	HF	R	FO		103.0 (098.0T)	004.0	AA 03300	
		NYOME	010	FACF	IF		FB				AA 03300	
		YNONA	020	FAF	TF		FB	0.5	103.0 (098.0T)	006.8	AA 02100	
		UKICU	021	SDF	TF		FB	0.3	103.1 (098.1T)	001.9	AA 01480	
		RW10	030	MAP	TF		FO	0.3	103.1 (098.1T)	002.8	AT 01220	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		103.1 (098.1T)		AA 00946	
		JUDSS	050		DF		FO				AA 03300	
		JUDSS	060		HM	R	FO		283.3 (278.3T)	004.0	AA 03300	
POINT DATA		WAYPOINT		LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
		JUDSS		N383132.92		W0822910.10		N3831.549		W08229.168		
		NYOME		N383457.73		W0825925.78		N3834.962		W08259.430		
		UKICU		N383343.99		W0824823.74		N3833.733		W08248.396		
		YNONA		N383400.44		W0825050.64		N3834.007		W08250.844		
		RW10		N383320.14		W0824451.73		N3833.336		W08244.862		
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW10	00546		53							

CITY AND STATE ASHLAND, KY	ELEVATION: 546	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1B 20 AUGUST 2015	SUP: QUALITY 4
	AIRPORT NAME: ASHLAND RGNL			AMDT: CHECKED
	DATED: 06/26/2014			

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														MISSED APPROACH							
FROM				TO			COURSE AND DISTANCE				ALTITUDE		LP: RW28 LNAV: RW28								
JUDSS (IF/IAF)				ACHLE (FB)			283.33 / 6.78				2100		CLIMB TO 3300 DIRECT NYOME AND HOLD.								
ACHLE (FAF)				VASUY/2.90 NM TO RW28 (FB)			283.24 / 1.84				3300										
VASUY/2.90 NM TO RW28				RW28 (MAP) (FO)			283.24 / 2.90														
RW28 (MAP)				946 MSL			283.24														
946 MSL				NYOME (FO)									ADDITIONAL FLIGHT DATA: HOLD W, RT, 103.02 INBOUND. CHART FAS OBST: 1038 TOWER 383251N/0824048W WAAS CHANNEL # 62923 REFERENCE PATH ID: W28A CHART VDP AT 1.72 MILES TO RW28. LTP HAE: 133 M								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																					
2. HOLD E JUDSS, RT, 283.33 INBOUND, 3300 FT. IN LIEU OF PT (IAF)																					
3. FAC: 283.24 FAF: ACHLE DIST FAF TO MAP: 4.74 THLD: 4.74																					
4. MIN. ALT: JUDSS 3300, ACHLE 2100, VASUY/2.90 NM TO RW28 1500																					
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																					
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																					
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR																					
8. MSA FROM: _____														MAG VAR: 5W				EPOCH YEAR: 1995			
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @												
CATEGORY =====>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
LP MDA	1340	1	794	1340	1 1/4	794	1340	2 1/2	794	1340	2 1/2	794									
LNAV MDA	1340	1	794	1340	1 1/4	794	1340	2 1/2	794	1340	2 1/2	794									
CIRCLING	1340	1	794	1340	1 1/4	794	1380	2 1/2	834	1380	2 3/4	834									
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: DESCENT ANGLE NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HUNTINGTON ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE CIRCLING CATS A, C AND D VISIBILITY 1/4 MILE. (SEE FORM 8260-10)																					
CITY AND STATE ASHLAND, KY				ELEVATION: 546 TDZE: 546 AIRPORT NAME: ASHLAND RGNL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1B 20 AUGUST 2015					SUP: AMDT: 1A DATED 06/26/2014						

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: VDP NA WHEN USING HUNTINGTON ALTIMETER SETTING.

CHART NOTE: NIGHT LANDING: RWY 10 NA.

TAA

	FROM	TO	ALT
1.	193/30 CW 013/30 (NOPT)	193/25 CW 013/25	3600
2.	193/25 CW 013/25	JUDSS (IF/IAF) (FB)	3300
3.	013/30 CW 193/30	JUDSS (IF/IAF) (FO)	3300

CITY AND STATE

ASHLAND, KY

ELEVATION: 546

TDZE: 546

AIRPORT NAME:

ASHLAND RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, AMDT 1B

20 AUGUST 2015

SUP:

AMDT:

DATED:

QUALITY
4
CHECKED

1A

06/26/2014

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDWU
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	383312.2655N
LTP/FTP LONGITUDE	0824341.9285W
LTP/FTP ELLIPSOIDAL HEIGHT	+01330
FPAP LATITUDE	383324.9500N
FPAP LONGITUDE	0824534.3600W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1040
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 905E5115

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01658
FPAP ORTHOMETRIC HEIGHT	+01658

CITY AND STATE
ASHLAND, KY

ELEVATION: 546 TDZE: 546
AIRPORT NAME:
ASHLAND RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 28, AMDT 1B
20 AUGUST 2015

SUP: 
AMDT: 1A
DATED: 06/26/2014

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.
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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.
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[illegible]

CITY AND STATE
ASHLAND, KY

ELEVATION: 546	TDZE: 546
AIRPORT NAME: ASHLAND RGNL	

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 28, AMDT 1B
 20 AUGUST 2015

SUP:	
AMDT:	1A
DATED:	06/26/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	JUDSS	JUDSS	010	IAF	HF	R	FO		283.3 (278.3T)	004.0	AA 03300	
		JUDSS	010	FACF	IF		FB				AA 03300	
		ACHLE	020	FAF	TF		FB	0.5	283.3 (278.3T)	006.8	AA 02100	
		VASUY	021	SDF	TF		FB	0.3	283.2 (278.2T)	001.8	AA 01500	
		RW28	030	MAP	TF		FO	0.3	283.2 (278.2T)	002.9	AT 01340	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		283.2 (278.2T)		AA 00946	
		NYOME	050		DF		FO				AA 03300	
		NYOME	060		HM	R	FO		103.0 (098.0T)	004.0	AA 03300	
POINT DATA		WAYPOINT		LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
		ACHLE		N383231.57		W0823742.79		N3832.526		W08237.713		
		JUDSS		N383132.92		W0822910.10		N3831.549		W08229.168		
		NYOME		N383457.73		W0825925.78		N3834.962		W08259.430		
		VASUY		N383247.43		W0824002.40		N3832.791		W08240.040		
		RW28		N383312.27		W0824341.93		N3833.205		W08243.699		
RUNWAY DATA		RWY		THRESHOLD ELEVATION		TCH						
		RW28		00544		61						

QUALITY
 4
 CHECKED

CITY AND STATE ASHLAND, KY	ELEVATION: 546 AIRPORT NAME: ASHLAND RGNL	TDZE: 546	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1B 20 AUGUST 2015	SUP:	1A
					AMDT:	1A
					DATED:	06/26/2014

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										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LNAV: BABME						
UZMUR (IAF)		AZLEC (NOPT) (FB)		333.04 / 5.00			3600		CLIMB TO 3600 DIRECT HIXUX AND TRACK 224.66 TO SITOW AND HOLD.						
PATMY (IAF)		AZLEC (NOPT) (FB)		152.98 / 5.00			3600								
AZLEC (IF/IAF)		HITFO (FB)		243.01 / 7.50			2900								
HITFO (FAF)		BABME (MAP) (FO)		242.94 / 5.52											
BABME (MAP)		1327 MSL		242.94					ADDITIONAL FLIGHT DATA: HOLD NE, RT, 224.66 INBOUND. CHART FAS OBST: 1439 100' TREE 370449N/0843328W CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 15.05 DEGREES. FAC CROSSES RWY C/L EXTENDED 2855 FROM THLD.						
1327 MSL		HIXUX (FB)													
HIXUX		SITOW (FO)		224.66 / 11.43			3600								
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)										MAG VAR: 5W EPOCH YEAR: 2005					
2. HOLD NE AZLEC, RT, 243.01 INBOUND, 3600 FT. IN LIEU OF PT (IAF)															
3. FAC: 242.94 FAF: HITFO DIST FAF TO MAP: 5.52 THLD: 5.97															
4. MIN. ALT: AZLEC 3600, HITFO 2900															
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:															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @									
CATEGORY >>>>>		A		B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1700	1	773	1700	1 1/4	773	1700	2 1/4	773	1700	2 1/2	773			
CIRCLING	1700	1	773	1720	1 1/4	793	1720	2 1/4	793	1740	2 3/4	813			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: DESCENT ANGLE NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTICELLO ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND LNAV CATS C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE. (SEE FORM 8260-10)															
CITY AND STATE SOMERSET, KY		ELEVATION: 927 TDZE: 927 AIRPORT NAME: LAKE CUMBERLAND RGNL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1A 20 AUGUST 2015				SUP: AMDT: 1 DATED 08/03/2006		QUALITY 4 CHECKED			

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: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: NIGHT LANDING: RWY 23 NA.

TAA

	FROM	TO	ALT
1.	153/30 CW 333/30 (NOPT)	153/15 CW 333/15	4500
2.	153/15 CW 333/15	AZLEC (IF/IAF) (FB)	3600
3.	333/30 CW 063/30	UZMUR (IAF) (FB)	4500
4.	063/30 CW 153/30	PATMY (IAF) (FB)	4500

QUALITY
4

CITY AND STATE
SOMERSET, KY

ELEVATION: 927 TDZE: 927
AIRPORT NAME:
LAKE CUMBERLAND RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 23, AMDT 1A
20 AUGUST 2015

SUP: **CHECKED**
AMDT: 1
DATED: 08/03/2006

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KSMEK5FR23	AZLECK5EA0EE	AR	HF			24300040	+	03600	18000		B	JS
SUSAP	KSMEK5FR23	APATMY	010PATMYK5EA0E	A	IF					18000		B	JS
SUSAP	KSMEK5FR23	APATMY	020AZLECK5EA0EE	B	010TF		15300050	+	03600			B	JS
SUSAP	KSMEK5FR23	AUZMUR	010UZMURK5EA0E	A	IF					18000		B	JS
SUSAP	KSMEK5FR23	AUZMUR	020AZLECK5EA0EE	B	010TF		33300050	+	03600			B	JS
SUSAP	KSMEK5FR23	R	010AZLECK5EA0E	I	IF			+	03600	18000		B	JS
SUSAP	KSMEK5FR23	R	020HITFOK5EA1E	F	051TF		24300075	+	02900			B	JS
SUSAP	KSMEK5FR23	R	020HITFOK5EA2WN			N	ALNAV						JS
SUSAP	KSMEK5FR23	R	030BABMEK5EA0EY	M	031TF		24290055		01700	000		B	JS
SUSAP	KSMEK5FR23	R	040	0	M	CA	2429	+	01327			B	JS
SUSAP	KSMEK5FR23	R	050HIXUXK5EA0E		DF							B	JS
SUSAP	KSMEK5FR23	R	060SITOWK5EA0EY		010TF		22470114	+	03600			B	JS
SUSAP	KSMEK5FR23	R	070SITOWK5EA0EE	R	HM		22470040	+	03600			B	JS

[illegible]

SUP:	CHECKED
AMDT:	1
DATED:	08/03/2006

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 - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AZLEC	AZLEC	010	IAF	HF	R	FO		243.0 (238.0T)	004.0	AA 03600	
	PATMY	PATMY	010	IAF	IF		FB					
	PATMY	AZLEC	020		TF		FB	1.0	153.0 (148.0T)	005.0	AA 03600	
	UZMUR	UZMUR	010	IAF	IF		FB					
	UZMUR	AZLEC	020		TF		FB	1.0	333.0 (328.0T)	005.0	AA 03600	
		AZLEC	010	FACF	IF		FB				AA 03600	
		HITFO	020	FAF	TF		FB	0.5	243.0 (238.0T)	007.5	AA 02900	
		BABME	030	MAP	TF		FO	0.3	242.9 (237.9T)	005.5	AT 01700	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		242.9 (237.9T)		AA 01327	
		HIUX	050		DF		FB					
		SITOW	060		TF		FO	1.0	224.7 (219.7T)	011.4	AA 03600	
		SITOW	070		HM	R	FO		224.7 (219.7T)	004.0	AA 03600	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		AZLEC	N371047.64		W0842222.46		N3710.794		W08422.374			
		BABME	N370352.45		W0843610.49		N3703.874		W08436.175			
		HITFO	N370648.63		W0843019.79		N3706.811		W08430.330			
		HIUX	N370233.22		W0843847.91		N3702.554		W08438.799			
		PATMY	N371502.35		W0842541.52		N3715.039		W08425.692			
		SITOW	N365344.34		W0844753.45		N3653.739		W08447.891			
		UZMUR	N370632.83		W0841903.77		N3706.547		W08419.063			
		RW23	N370331.78		W0843634.47		N3703.530		W08436.575			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW23	00922		53							



CITY AND STATE SOMERSET, KY	ELEVATION: 927	TDZE: 927	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1A 20 AUGUST 2015	SUP:
	AIRPORT NAME: LAKE CUMBERLAND RGNL		RNAV		AMDT: 1
	DATED: 08/03/2006				

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.													
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION																	
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO			COURSE AND DISTANCE				ALTITUDE		LP: RW11 LNAV: RW11 CLIMBING LEFT TURN TO 4000 DIRECT PIHIV AND HOLD. ADDITIONAL FLIGHT DATA: FAS OBST: 1588 AAO 421139N/0732827W WAAS CHANNEL # 58123 REFERENCE PATH ID: W11A LTP HAE: 194.9 M						
CIRRU		COGUD (FB)			182.72 / 8.81				4000								
BOWAN		PIHIV (FO)			326.04 / 9.00				4000								
COGUD (IAF)		PIHIV (NOPT) (FB)			200.32 / 8.60				4000								
WIGAN (IAF)		PIHIV (NOPT) (FB)			054.56 / 9.62				4000								
PIHIV (IF/IAF)		ZACCO (FB)			110.31 / 6.60				2500								
ZACCO (FAF)		RW11 (MAP) (FO)			110.41 / 5.40												
RW11 (MAP)		1139 MSL			110.41				4000								
1139 MSL		PIHIV (FO)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W PIHIV, RT, 110.31 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>110.41</u> FAF: <u>ZACCO</u> DIST FAF TO MAP: <u>5.40</u> THLD: <u>5.40</u> 4. MIN. ALT: PIHIV 4000, ZACCO 2500 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> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1</u> IS NOT CLEAR 8. MSA FROM: RW11 4500																	
										MAG VAR: 14W EPOCH YEAR: 1995							
MINIMUMS																	
TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>										ALTERNATE: N A X <u> </u>							
CATEGORY <=====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LP MDA	1840	1 1/4	1101	1840	1 1/2	1101		NA			NA						
LNAV MDA	1840	1 1/4	1101	1840	1 1/2	1101		NA			NA						
CIRCLING	1840	1 1/4	1101	1840	1 1/2	1101		NA			NA						
NOTES: CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE PITTSFIELD ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. (SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 739 TDZE: 739				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
GREAT BARRINGTON, MA				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 11, ORIG-B 20 AUGUST 2015				AMDT: ORIG-A	
				WALTER J KOLADZA												DATED 09/18/2014	



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

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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WIGAN ON V123-157 SOUTHBOUND, AND ARRIVALS AT BOWAN ON V487 SOUTHWEST BOUND.

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

CHART PROFILE NOTE: DESCENT ANGLE NA.

QUALITY
16
CHECKED

CITY AND STATE GREAT BARRINGTON, MA	ELEVATION: 739 TDZE: 739 AIRPORT NAME: WALTER J KOLADZA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG-B 20 AUGUST 2015	SUP:
				AMDT: ORIG-A
				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	KGBR
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	421104.4200N
LTP/FTP LONGITUDE	0732426.4500W
LTP/FTP ELLIPSOIDAL HEIGHT	+01949
FPAP LATITUDE	421054.3300N
FPAP LONGITUDE	0732227.3800W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	2016
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

<u>CRC REMAINDER</u>	E845B5C3
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02254
FPAP ORTHOMETRIC HEIGHT	+02254



CITY AND STATE GREAT BARRINGTON, MA	ELEVATION: 739 TDZE: 739 AIRPORT NAME: WALTER J KOLADZA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG-B 20 AUGUST 2015	SUP:
				AMDT: ORIG-A
				DATED: 09/18/2014

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[illegible][illegible][illegible][illegible]

QUALITY
16
CHECKED

FAA FORM 8260 - 10 / April 2006 (Computer Generated) Page 4 of 6 Pages

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

[illegible]

QUALITY
16
CHECKED

CITY AND STATE GREAT BARRINGTON, MA	ELEVATION: 739 AIRPORT NAME: WALTER J KOLADZA	TDZE: 739 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG-B 20 AUGUST 2015	SUP:
					AMDT: ORIG-A
					DATED: 09/18/2014

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 - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BOWAN	BOWAN	010		IF		FB					
	BOWAN	PIHIV	020		TF		FO	2.0	326.0 (312.0T)	009.0	AA 04000	
	BOWAN	PIHIV	030	IAF	HF	R	FO		110.3 (096.3T)	004.0	AA 04000	
	CIRRU	CIRRU	010		IF		FB					
	CIRRU	COGUD	020	IAF	TF		FB	2.0	182.7 (168.7T)	008.8	AA 04000	
	CIRRU	PIHIV	030		TF		FB	1.0	200.3 (186.3T)	008.6	AA 04000	
	WIGAN	WIGAN	010	IAF	IF		FB					
	WIGAN	PIHIV	020		TF		FB	1.0	054.6 (040.6T)	009.6	AA 04000	
		PIHIV	010	FACF	IF		FB				AA 04000	
		ZACCO	020	FAF	TF		FB	0.5	110.3 (096.3T)	006.6	AA 02500	
		RW11	030	MAP	TF		FO	0.3	110.4 (096.4T)	005.4	AT 01840	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		110.4 (096.4T)		AA 01139	
		PIHIV	050		DF	L	FO				AA 04000	
		PIHIV	060		HM	R	FO		110.3 (096.3T)	004.0	AA 04000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		BOWAN	N420623.14		W0733128.95		N4206.386		W07331.483			
		CIRRU	N422936.38		W0734131.88		N4229.606		W07341.531			
		COGUD	N422057.76		W0733912.41		N4220.963		W07339.207			
		PIHIV	N421224.70		W0734028.89		N4212.412		W07340.482			
		WIGAN	N420506.33		W0734853.89		N4205.106		W07348.898			
		ZACCO	N421140.85		W0733139.77		N4211.681		W07331.663			
		RW11	N421104.42		W0732426.45		N4211.074		W07324.441			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW11	00739		50							
CITY AND STATE		ELEVATION: 739		TDZE: 739		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:			SUP:	
GREAT BARRINGTON, MA		AIRPORT NAME:		WALTER J KOLADZA		RNAV		RNAV (GPS) RWY 11, ORIG-B			AMDT: ORIG-A	
								20 AUGUST 2015			DATED: 09/18/2014	



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

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
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.
AITKIN, MN	AITKIN MUNI-STEVE KURTZ FIELD	20 AUGUST 2015	4

TAKEOFF MINIMUMS:

RWY 8, 26: NA – ENVIRONMENTAL
RWY 16, 34: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16, TREES BEGINNING 6 FEET FROM DER, 86 FEET LEFT OF CENTERLINE, UP TO 32 FEET AGL/1238 FEET MSL. TREES AND ROAD BEGINNING 239 FEET FROM DER, 357 FEET LEFT OF CENTERLINE, UP TO 59 FEET AGL/1265 FEET MSL. TREES BEGINNING 335 FEET FROM DER, 114 FEET RIGHT OF CENTERLINE, UP TO 54 FEET AGL/1260 FEET MSL. TREES BEGINNING 1352 FEET FROM DER, 189 FEET LEFT OF CENTERLINE, UP TO 94 FEET AGL/1300 FEET MSL. TREES BEGINNING 1759 FEET FROM DER, 5 FEET RIGHT OF CENTERLINE, UP TO 93 FEET AGL/1299 FEET MSL. TREES BEGINNING 3354 FEET FROM DER, 16 FEET LEFT OF CENTERLINE, UP TO 100 FEET AGL/1332 FEET MSL. TREES BEGINNING 3558 FEET FROM DER, 48 FEET RIGHT OF CENTERLINE, UP TO 100 FEET AGL/1333 FEET MSL.

NOTE: RWY 34, TREES BEGINNING 121 FEET FROM DER, 408 FEET RIGHT OF CENTERLINE, UP TO 29 FEET AGL/1235 FEET MSL. TREES BEGINNING 320 FEET FROM DER, 406 FEET RIGHT OF CENTERLINE, UP TO 62 FEET AGL/1268 FEET MSL. TREES BEGINNING 2084 FEET FROM DER, 108 FEET RIGHT OF CENTERLINE, UP TO 74 FEET AGL/1280 FEET MSL. TREES BEGINNING 1906 FEET FROM DER, 179 FEET LEFT OF CENTERLINE, UP TO 82 FEET AGL/1288 FEET MSL.

CONTROLLING OBSTACLES:



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

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City, State	Airport	Effective Date	Amdt. No.
AITKIN, MN	AITKIN MUNI-STEVE KURTZ FIELD	20 AUGUST 2015	4

REMARKS:

FLIGHT INSPECTED BY: *Digitally signed by*
JACOB POWERS
DOUG MILLER Jun 16, 2015

6/3/2015

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY: *Digitally signed by*
STEVEN M BARNETT
Apr 21, 2015

STEVEN M. BARNETT AJV-5442

4/6/2015

APPROVED BY: *Digitally signed by*
GEORGE GONZALEZ
GEORGE GONZALEZ AJV-5420 May 21, 2015

COORDINATED WITH:

ALPA, AOPA, NBAA, ZMP, AMGR

CHANGES:

1. REMOVED TAKEOFF MINIMUMS FOR RWYS 8, 26.
2. REMOVED TEXTUAL DEPARTURE PROCEDURE FOR RWY 26.
3. REVISED/UPDATED ALL TAKEOFF OBSTACLE NOTES.
4. REMOVED CONTROLLING OBSTACLES.

REASONS:

- 1, 2. PER TEAM 2 LEAD AND FPT - TURF RWYS IN MINNESOTA SHOULD BE NA FOR CIRCLING AND ODP.
3. OBSTACLE DATABASE UPDATE.
4. IFR AIRCRAFT CAN NO LONGER DEPART RWYS 8, 26. ONLY LOW, CLOSE-IN OBSTACLES FOR RWYS 16, 34.



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 CLIMB TO 1900 THEN CLIMBING RIGHT TURN TO 3600 DIRECT CAREW AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 090.11 INBOUND. CHART FAS OBST: 1603 TREE 483121N/0991500W CHART VDP AT 1.11 MILES TO RW16. CHART CIRCLING ICON KNOUT TO RW16: 3.00/35 CHART 1613 TREE 483145N/0991518W							
CAREW		FANOB (FO)			013.08 / 29.49			3300									
NERDE		FANOB (FO)			311.54 / 44.03			3300									
FANOB (IF/IAF)		KNOUT (FB)			160.08 / 3.50			3100									
KNOUT (FAF)		WODOT/2.50 NM TO RW16 (FB)			160.10 / 2.48												
WODOT/2.50 NM TO RW16		RW16 (MAP) (FO)			160.10 / 2.50												
RW16 (MAP)		1900 MSL			160.10			1900									
1900 MSL		CAREW (FO)						3600									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N FANOB, RT, 160.08 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC: 160.10 FAF: KNOUT DIST FAF TO MAP: 4.98 THLD: 4.98 4. MIN. ALT: FANOB 3300, KNOUT 3100, WODOT/2.50 NM TO RW16 2300 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW16 3400														MAG VAR: 6E		EPOCH YEAR: 2010	
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		
LNAV MDA	1860	1	379	1860	1	379		NA			NA						
CIRCLING	1900	1	418	1940	1	458		NA			NA						
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DEVILS LAKE ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CAREW ON V430 WEST BOUND. (SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 1482 TDZE: 1481				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
CANDO, ND				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 16, ORIG				AMDT: NONE	
				CANDO MUNI								20 AUGUST 2015				DATED	

QUALITY
22
CHECKED

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 AT NERDE ON V430 EAST BOUND.

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

CHART NOTE: VDP NA WITH DEVILS LAKE ALTIMETER SETTING.

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

QUALITY
22
CHECKED

CITY AND STATE

CANDO, ND

ELEVATION: 1482
AIRPORT NAME:

TDZE: 1481

CANDO MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 16, ORIG
20 AUGUST 2015

SUP:

AMDT: **NONE**

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.
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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible][illegible][illegible]

22

CITY AND STATE
CANDO, ND

ELEVATION: 1482	TDZE: 1481
AIRPORT NAME:	
CANDO MUNI	

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 16, ORIG
 20 AUGUST 2015

SUP:
AMDT: NONE
DATED:

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 - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CAREW	CAREW	010		IF		FB					
	CAREW	FANOB	020		TF		FO	2.0	013.1 (019.1T)	029.5	AA 03300	
	CAREW	FANOB	030	IAF	HF	R	FO		160.1 (166.1T)	004.0	AA 03300	
	NERDE	NERDE	010		IF		FB					
	NERDE	FANOB	020		TF		FO	2.0	311.5 (317.5T)	044.0	AA 03300	
	NERDE	FANOB	030	IAF	HF	R	FO		160.1 (166.1T)	004.0	AA 03300	
		FANOB	010	FACF	IF		FB				AA 03300	
		KNOUT	020	FAF	TF		FB	0.5	160.1 (166.1T)	003.5	AA 03100	
		WODOT	021	SDF	TF		FB	0.3	160.1 (166.1T)	002.5	AA 02300	GS 02311
		RW16	030	MAP	TF		FO	0.3	160.1 (166.1T)	002.5	AT 01515	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		160.1 (166.1T)		AA 01900	
		CAREW	050		DF	R	FO				AA 03600	
		CAREW	060		HM	R	FO		090.1 (096.1T)	004.0	AA 03600	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		CAREW	N480928.37		W0993152.77		N4809.473		W09931.880			
		FANOB	N483718.21		W0991721.07		N4837.304		W09917.351			
		KNOUT	N483354.52		W0991605.02		N4833.909		W09916.084			
		NERDE	N480459.31		W0983233.47		N4804.989		W09832.558			
		WODOT	N483130.26		W0991511.27		N4831.504		W09915.188			
		RW16	N482904.90		W0991417.19		N4829.082		W09914.287			
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW16	01480		35							



CITY AND STATE CANDO, ND	ELEVATION: 1482	TDZE: 1481	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: CANDO MUNI		RNAV	RNAV (GPS) RWY 16, ORIG 20 AUGUST 2015	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.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW34 CLIMB TO 1900 THEN CLIMBING LEFT TURN TO 3600 DIRECT CAREW AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 090.11 INBOUND. CHART FAS OBST: 1574 TREE 482733N/0991336W DISTANCE TO THLD FROM 250 HAT: 0.68 NM. CHART VDP AT 1.04 MILES TO RW34* *LNAV ONLY. WAAS CHANNEL # 69537 REFERENCE PATH ID: W34A CHART CIRCLING ICON LTP HAE: 428.3 M							
CAGOB (IF/IAF)		HOTOG (FB)		340.18 / 8.63				3000									
HOTOG (FAF)		JIXER/2.10 NM TO RW34 (FB)		340.14 / 2.56													
JIXER/2.10 NM TO RW34		RW34 (MAP) (FO)		340.14 / 2.10													
RW34 (MAP)		1900 MSL		340.14				1900									
1900 MSL		CAREW (FO)						3600									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S CAGOB, RT, 340.18 INBOUND, 3400 FT. IN LIEU OF PT (IAF) 3. FAC: 340.14 FAF: HOTOG DIST FAF TO MAP: 4.66 THLD: 4.66 4. MIN. ALT: CAGOB 3400, HOTOG 3000, JIXER/2.10 NM TO RW34 2180* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3000 GS ALT AT: HOTOG 3000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 35.0 34:1 IS CLEAR 8. MSA FROM: _____														MAG VAR: 6E		EPOCH YEAR: 2010	
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		
LPV DA	1732	1	250	1732	1	250		NA			NA						
LNAV/VNAV DA	1871	1 3/8	389	1871	1 3/8	389		NA			NA						
LNAV MDA	1840	1	358	1840	1	358		NA			NA						
CIRCLING	1900	1	418	1940	1	458		NA			NA						
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE} TCH {FEET}). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DEVILS LAKE ALTIMETER SETTING AND INCREASE ALL DA 63 FEET AND ALL MDA 80 FEET. INCREASE LPV VISIBILITY 1/8 MILE ALL CATS AND LNAV/VNAV (SEE FORM 8260-10)																	
CITY AND STATE		ELEVATION: 1482 TDZE: 1482				FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:			
CANDO, ND		AIRPORT NAME:				RNAV		RNAV (GPS) RWY 34, ORIG						AMDT: NONE			
		CANDO MUNI						20 AUGUST 2015						DATED			

QUALITY
 22
 CHECKED

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.):

VISIBILITY 1/4 MILE ALL CATS.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING DEVILS LAKE ALTIMETER SETTING.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (0F) OR ABOVE 54C (130F).

TAA

	FROM	TO	ALT
1.	250/30 CW 070/30 (NOPT)	CAGOB (IF/IAF) (FB)	3400
2.	070/30 CW 250/30	CAGOB (IF/IAF) (FO)	3400

QUALITY
22
CHECKED

CITY AND STATE

CANDO, ND

ELEVATION: 1482

TDZE: 1482

AIRPORT NAME:

CANDO MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, ORIG

20 AUGUST 2015

SUP:

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	9D7
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	482831.3810N
LTP/FTP LONGITUDE	0991404.7310W
LTP/FTP ELLIPSOIDAL HEIGHT	+04283
FPAP LATITUDE	482957.8160N
FPAP LONGITUDE	0991436.8695W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1688
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 34DBD1B3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04515
FPAP ORTHOMETRIC HEIGHT	+04515

QUALITY
22
CHECKED

CITY AND STATE CANDO, ND	ELEVATION: 1482 TDZE: 1482 AIRPORT NAME: CANDO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, ORIG 20 AUGUST 2015	SUP:
				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.

WP	1	2	3	4	5	6	7	8	9	0	1	2	3	
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													

	SUSAE	AENRT	CAGOB	K30	W	N48153791W099091853			E0050	WGE	CAGOB			
	SUSAE	AENRT	CAREW	K30	C	L	N48092837W099315277			E0053	NAR	CAREW		
SUSAE	AENRT	HOTOG	K30	W	N48240021W099122411			E0050	WGE	HOTOG				
SUSAE	AENRT	JIXER	K30	W	N48262915W099131934			E0050	WGE	JIXER				

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

SUSAP	9D7	K3A	9D7	0	035YHN48284810W099141100E006001482			1800018000C	MNAR	CANDO			MUNI	

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

	SUSAP	9D7	K3FR34	ACAGOB	010CAGOBK3EA0EE	AR	HF	34020040		+	03400	18000	A JS	
	SUSAP	9D7	K3FR34	R	010CAGOBK3EA0E	I	IF	34020040		+	03400	18000	A JS	
	SUSAP	9D7	K3FR34	R	020HOTOGK3EA1E	F	051TF	34020086		+	03000		A JS	
	SUSAP	9D7	K3FR34	R	020HOTOGK3EA2WALPV	ALNAV/VNAV			ALNAV			JS		
	SUSAP	9D7	K3FR34	R	021JIXERK3EA0E	S	031TF	34010026		V	0218002185	-300	A JS	
	SUSAP	9D7	K3FR34	R	030RW34	K3PGOGY	M	031TF	34010021		01516	-300	A JS	
SUSAP	9D7	K3FR34	R	040	0	M	CA	3401		+	01900	A JS		
SUSAP	9D7	K3FR34	R	050CAREWK3EA0EY	L	DF	3401		+	03600	A JS			
SUSAP	9D7	K3FR34	R	060CAREWK3EA0EE	R	HM	09010040		+	03600	A JS			

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

SUSAP	9D7	K3GRW34	0035003401	N48283138W099140473+0000			+0428301481000035060R							

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

SUSAP	9D7	K3PR34	RW34	001	0000W34A0N4828313810W09914047310+042830300N4829578160W09914368695106751688000350F40050034DBD1B3									
SUSAP	9D7	K3PR34	RW34	002E	+04515+04515LPV			69537						

QUALITY
22
CHECKED

CITY AND STATE CANDO, ND	ELEVATION: 1482 AIRPORT NAME: CANDO MUNI	TDZE: 1482	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, ORIG 20 AUGUST 2015	SUP:
					AMDT: NONE
					DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - FAR PART 97.33								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
ARINC SUMMARY - 424-8 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CAGOB	CAGOB	010	IAF	HF	R	FO		340.2 (346.2T)	004.0	AA 03400	
		CAGOB	010	FACF	IF		FB				AA 03400	
		HOTOG	020	FAF	TF		FB	0.5	340.2 (346.2T)	008.6	AA 03000	
		JIXER	021	SDF	TF		FB	0.3	340.1 (346.1T)	002.6	AA 02180	GS 02185
		RW34	030	MAP	TF		FO	0.3	340.1 (346.1T)	002.1	AT 01516	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		340.1 (346.1T)		AA 01900	
		CAREW	050		DF	L	FO				AA 03600	
		CAREW	060		HM	R	FO		090.1 (096.1T)	004.0	AA 03600	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		CAGOB	N481537.91		W0990918.53		N4815.632		W09909.309			
		CAREW	N480928.37		W0993152.77		N4809.473		W09931.880			
		HOTOG	N482400.21		W0991224.11		N4824.004		W09912.402			
		JIXER	N482629.15		W0991319.34		N4826.486		W09913.322			
		RW34	N482831.38		W0991404.73		N4828.523		W09914.079			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW34	01481		35							



CITY AND STATE CANDO, ND	ELEVATION: 1482 TDZE: 1482 AIRPORT NAME: CANDO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 34, ORIG 20 AUGUST 2015	SUP: AMDT: NONE DATED:
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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.
CANDO, ND	CANDO MUNI	20 AUGUST 2015	ORIG

TAKEOFF MINIMUMS:

RWY 16, 34: STANDARD.



TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16, VEHICLES ON ROAD 443 FT FROM DER, 524 FT LEFT OF CENTERLINE, 15 FT AGL/1495 FT MSL. LT SUPPORT STRUC 10 FT FROM DER, 10 FT RIGHT OF CENTERLINE, 3 FT AGL/1484 FT MSL.

NOTE: RWY 34, POLES BEGINNING 382 FT FROM DER, 465 FT RIGHT OF CENTERLINE, UP TO 32 FT AGL/1513 FT MSL. BLDG 277 FT FROM DER, 574 FT RIGHT OF CENTERLINE, 22 FT AGL/1503 FT MSL. VEHICLES ON ROAD BEGINNING 596 FT FROM DER, 25 FT RIGHT OF CENTERLINE, 15 FT AGL/1500 FT MSL. VEHICLES ON ROAD BEGINNING 754 FT FROM DER, 16 FT LEFT OF CENTERLINE, 15 FT AGL/1504 FT MSL. LT SUPPORT STRUC 10 FT FROM DER, 9 FT RIGHT OF CENTERLINE, 3 FT AGL/1483 FT MSL. TANK 344 FT FROM DER, 470 FT RIGHT OF CENTERLINE, 9 FT AGL/1490 FT 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.
CANDO, ND	CANDO MUNI	20 AUGUST 2015	ORIG

REMARKS:

FLIGHT INSPECTED BY:
CHARLES CUNNINGHAM

Digitally signed by
JACOB POWERS
Jun 16, 2015

5/13/2015

REQUIRED EFFECTIVE DATE:

CONCURRENT

DEVELOPED BY:

CHRIS O'BRIEN *Digitally signed by*
CHRISTOPHER P O'BRIEN AJV-353
Feb 05, 2015

12/31/2014



APPROVED BY:

GEORGE GONZALEZ *Digitally signed by*
JACOB POWERS AJV-353
Jun 16, 2015

COORDINATED WITH:

ALPA, AOPA, NBAA, ZMP, AMGR

CHANGES:

REASONS:

EFFECTIVE CONCURRENT WITH AIRSPACE DOCKET 14-AGL-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		LNAV: RW07								
KIMKE (IAF)		ZUCRY (NOPT) (FB)		343.65 / 5.00		3200		CLIMBING RIGHT TURN TO 3200 DIRECT ZUCRY AND HOLD.								
NOBCI (IAF)		ZUCRY (NOPT) (FB)		163.57 / 5.00		3200										
ZUCRY (IF/IAF)		CETZO (FB)		073.61 / 4.11		2700										
CETZO		VETSY (FB)		073.61 / 2.00		2400										
VETSY (FAF)		RW07 (MAP) (FO)		073.68 / 6.15												
RW07 (MAP)		772 MSL		073.68				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 873 200' AAO 405637N/0750156W CHART 948 TOWER 405408N/0750611W.								
772 MSL		ZUCRY (FO)				3200										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)								MAG VAR: 13W EPOCH YEAR: 1995								
2. HOLD W ZUCRY, RT, 073.61 INBOUND, 3200 FT. IN LIEU OF PT (IAF)																
3. FAC: 073.68 FAF: VETSY _____ DIST FAF TO MAP: 6.15 THLD: 6.15																
4. MIN. ALT: ZUCRY 3200, CETZO 2700, VETSY 2400																
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: _____																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		X								
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	1140	1	768	1140	1 1/4	768		NA			NA					
CIRCLING	1220	1	848	1280	1 1/4	908										
LEHIGH VALLEY ALTIMETER SETTING MINIMUMS																
LNAV MDA	1420	1 1/4	1048	1420	1 1/2	1048		NA			NA					
CIRCLING	1500	1 1/4	1128	1560	1 1/2	1188										
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LEHIGH VALLEY ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PROFILE NOTE: DESCENT ANGLE NA.																
CITY AND STATE BLAIRSTOWN, NJ		ELEVATION: 372 TDZE: 372 AIRPORT NAME: BLAIRSTOWN			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, ORIG-A 20 AUGUST 2015				SUP: AMDT: DATED 09/01/2005					
QUALITY 4 CORRECTED																

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

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TAA

	FROM	TO	ALT
1.	344/30 CW 103/30 (NOPT)	ZUCRY (IF/IAF) (FB)	3200
	103/10 CW 164/10	ZUCRY (IF/IAF) (FB)	3200
2.	103/30 CW 164/30 (NOPT)	103/10 CW 164/10	3800
3.	164/30 CW 254/30	164/5 CW 254/5	3800
4.	164/5 CW 254/5	NOBCI (IAF) (FB)	3200
5.	254/30 CW 344/30	KIMKE (IAF) (FB)	3200

CITY AND STATE

BLAIRSTOWN, NJ

ELEVATION: 372

TDZE: 372

AIRPORT NAME:

BLAIRSTOWN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 7, ORIG-A

20 AUGUST 2015

SUP:

4

AMDT:

QUALITY
4
ORIG
CHECKED

DATED:

09/01/2005

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

[illegible][illegible][illegible][illegible]

CITY AND STATE BLAIRSTOWN, NJ	ELEVATION: 372 AIRPORT NAME: BLAIRSTOWN	TDZE: 372 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 7, ORIG-A 20 AUGUST 2015	SUP: 4
					AMDT: ORIG
					DATED: 09/01/2005

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 - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	KIMKE	KIMKE	010	IAF	IF		FB					
	KIMKE	ZUCRY	020		TF		FB	1.0	343.7 (330.7T)	005.0	AA 03200	
	NOBCI	NOBCI	010	IAF	IF		FB					
	NOBCI	ZUCRY	020		TF		FB	1.0	163.6 (150.6T)	005.0	AA 03200	
	ZUCRY	ZUCRY	010	IAF	HF	R	FO		073.6 (060.6T)	004.0	AA 03200	
		ZUCRY	010	FACF	IF		FB				AA 03200	
		CETZO	011		TF		FB	0.5	073.6 (060.6T)	004.1	AA 02700	
		VETSY	020	FAF	TF		FB	0.5	073.6 (060.6T)	002.0	AA 02400	
		RW07	030	MAP	TF		FO	0.3	073.7 (060.7T)	006.2	AT 01140	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		073.7 (060.7T)		AA 00772	
		ZUCRY	050		DF	R	FO				AA 03200	
		ZUCRY	060		HM	R	FO		073.6 (060.6T)	004.0	AA 03200	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		CETZO	N405410.70		W0750927.81		N4054.178		W07509.464			
		KIMKE	N404748.10		W0751057.32		N4047.802		W07510.955			
		NOBCI	N405631.20		W0751725.45		N4056.520		W07517.424			
		VETSY	N405509.50		W0750709.91		N4055.158		W07507.165			
		ZUCRY	N405209.70		W0751411.17		N4052.162		W07514.186			
		RW07	N405810.10		W0750005.10		N4058.168		W07500.085			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW07	00366		50							

CITY AND STATE BLAIRSTOWN, NJ	ELEVATION: 372	TDZE: 372	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 7, ORIG-A 20 AUGUST 2015	SUP:
	AIRPORT NAME: BLAIRSTOWN		RNAV		AMDT:
	DATED: 09/01/2005				

QUALITY
4
ORIG
CHECKED

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.															
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW25 CLIMBING LEFT TURN TO 3000 DIRECT COATE AND HOLD. WHEN AUTHORIZED BY ATC, CONTINUE CLIMB-IN-HOLD TO 4000. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 206.98 INBOUND. FAS OBST: 1020 AAO 410201N/0745407W									
BWZ VOR/DME		MEVNE (FB)		034.31 / 12.46				3000											
MEVNE (IAF)		IBIYU (FB)		343.96 / 5.00				3000											
SAX VORTAC (IAF)		IBIYU (FB)		282.22 / 10.77				3000											
COATE (IAF)		IBIYU (FB)		233.49 / 5.63				3000											
IBIYU (IF)		FAPAV (FB)		253.92 / 6.02				2100											
FAPAV (FAF)		RW25 (MAP) (FO)		253.85 / 5.30															
RW25 (MAP)		772 MSL		253.85															
772 MSL		COATE (FO)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT IBIYU 3. FAC: 253.85 FAF: FAPAV DIST FAF TO MAP: 5.30 THLD: 5.30 4. MIN. ALT: IBIYU 3000, FAPAV 2100 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW25 3600																MAG VAR: 13W		EPOCH YEAR: 1995	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		X							
CATEGORY =====>		A			B			C			D			E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LNAV MDA	1260	1 1/4	889	1260	1 1/4	889		NA			NA								
CIRCLING	1260	1 1/4	888	1300	1 1/4	928		NA			NA								
LEHIGH VALLEY INTL ALTIMETER SETTING MINIMUMS																			
LNAV MDA	1540	1 1/4	1169	1540	1 1/2	1169		NA			NA								
CIRCLING	1540	1 1/4	1168	1600	1 1/2	1228		NA			NA								
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SAX VORTAC AIRWAY RADIALS 209 CW 311. CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE LEHIGH VALLEY INTL (SEE FORM 8260-10)																			
CITY AND STATE		ELEVATION: 372 TDZE: 371				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:							
BLAIRSTOWN, NJ		AIRPORT NAME: BLAIRSTOWN				RNAV		RNAV (GPS) RWY 25, AMDT 2A 20 AUGUST 2015				AMDT: 2							
												DATED 02/09/2012							

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

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NOTES, (CONT.):

ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT COATE ON T218, V116-188 SOUTHEAST BOUND AND V252 NORTHBOUND.

CHART PROFILE NOTE: DESCENT ANGLE NA.

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

CITY AND STATE
BLAIRSTOWN, NJ

ELEVATION: 372 TDZE: 371
AIRPORT NAME:
BLAIRSTOWN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 25, AMDT 2A
20 AUGUST 2015

SUP: 4
AMDT: CHECKED
DATED: 02/09/2012

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[illegible]

CITY AND STATE BLAIRSTOWN, NJ	ELEVATION: 372 AIRPORT NAME: BLAIRSTOWN	TDZE: 371 RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 2A 20 AUGUST 2015	SUP:
				AMDT:
				DATED: 02/09/2012

SUSAP 1N7 K6SRW25 K6PG018018003625M

CITY AND STATE BLAIRSTOWN, NJ	ELEVATION: 372	TDZE: 371	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 2A 20 AUGUST 2015	SUP: QUALITY 4
	AIRPORT NAME: BLAIRSTOWN	AMDT: CHECKED 2			
	DATED: 02/09/2012				

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 - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	BWZ	BWZ	010		IF		FB					
	BWZ	MEVNE	020	IAF	TF		FB	2.0	034.3 (021.3T)	012.5	AA 03000	
	BWZ	IBIYU	030		TF		FB	1.0	344.0 (331.0T)	005.0	AA 03000	
	COATE	COATE	010	IAF	IF		FB					
	COATE	IBIYU	020		TF		FB	1.0	233.5 (220.5T)	005.6	AA 03000	
	SAX	SAX	010	IAF	IF		FB					
	SAX	IBIYU	020		TF		FB	1.0	282.2 (269.2T)	010.8	AA 03000	
		IBIYU	010	FACF	IF		FB				AA 03000	
		FAPAV	020	FAF	TF		FB	0.5	253.9 (240.9T)	006.0	AA 02100	
		RW25	030	MAP	TF		FO	0.3	253.9 (240.9T)	005.3	AT 01260	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		253.9 (240.9T)		AA 00772	
		COATE	050		DF	L	FO				AA 03000	
		COATE	060		HM	R	FO		207.0 (194.0T)	004.0	AA 03000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		BWZ	N404754.36		W0744918.60		N4047.906		W07449.310			
		SAX	N410403.16		W0743217.93		N4104.053		W07432.299			
		COATE	N410810.42		W0744142.60		N4108.174		W07441.710			
		FAPAV	N410057.74		W0745329.04		N4100.962		W07453.484			
		IBIYU	N410353.47		W0744632.32		N4103.891		W07446.539			
		MEVNE	N405931.09		W0744319.77		N4059.518		W07443.330			
		RW25	N405822.45		W0745935.98		N4058.374		W07459.600			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW25	00371		50							

CITY AND STATE BLAIRSTOWN, NJ	ELEVATION: 372 AIRPORT NAME: BLAIRSTOWN	TDZE: 371	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 2A 20 AUGUST 2015	SUP:	QUALITY 4
					AMDT:	CHECKED 2
					DATED: 02/09/2012	

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.						
TERMINAL ROUTES										MISSED APPROACH										
FROM			TO			COURSE AND DISTANCE			ALTITUDE		ILS: DA LOC: 5.31 MILES AFTER RELIN INT/I-RLE 7.21 DME OR AT I-RLE 1.90 DME FIX									
CROWE INT (IAF)			PRINO INT/I-RLE 21.27 DME			210.00 / .22 (HDG) & 254.95 / 19.03 (I-RLE)			8000		CLIMB TO 3100 THEN CLIMBING RIGHT TURN TO 7000 DIRECT BLD VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 3100 THEN CLIMBING RIGHT TURN TO 7000 ON HEADING 079 AND LAS R-066 TO LAPIN INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 330.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE LAPIN INT, LT, 246.00 INBOUND. CHART FAS OBST: 2074 TREE 360427N/1150706W CHART FAS OBST: 2097 CM TWR 360417N/1150715W CHART 2665 BLDG 360511N/1151041W CHART 3229 MONUMENT 360851N/1150920W CHART VDP AT 3.36 DME* DISTANCE VDP TO THLD 1.46 MILES. *LOC ONLY. CHART (CFFMV) AT INTERSECTION OF CROWE DR LEG AND INTERMEDIATE COURSE. CHART IN PLANVIEW: LAPIN INT. CHART CIRCLING ICON									
PRINO INT/I-RLE 21.27 DME (IF)			LARRE INT/I-RLE 15.99 DME			254.95 / 5.28 (I-RLE)			6500											
LARRE INT/I-RLE 15.99 DME			SHAND INT/I-RLE 10.80 DME			254.95 / 5.20 (I-RLE)			4900											
SHAND INT/I-RLE 10.80 DME			RELIN INT/I-RLE 7.21 DME			254.95 / 3.59 (I-RLE)			3800											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 15E EPOCH YEAR: 1980										
2. PROFILE STARTS AT PRINO																				
3. FAC: 254.95 FAF: RELIN INT/I-RLE 7.21 DME DIST FAF TO MAP: 5.31 THLD: 5.31																				
4. MIN. ALT: PRINO 8000, LARRE 6500, SHAND 4900, RELIN 3800																				
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1124																				
6. MIN GS INCPT: 3800 GS ALT AT: RELIN 3800 OM: _____ MM: _____ IM: _____																				
7. GS ANGLE: 3.00 TCH: 60.0																				
8. MSA FROM: LAS VORTAC 030-120 6700, 120-210 8400, 210-300 13200, 300-030 10200																				
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: #		LOC: @									
CATEGORY =====>		A			B			C			D			E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA					
S-ILS 25L	2350	3/4	281	2350	3/4	281	2350	3/4	281	2350	3/4	281	2350	3/4	281					
S-LOC 25L	2600	3/4	531	2600	3/4	531	2600	1 1/4	531	2600	1 1/4	531	2600	1 1/4	531					
SIDESTEP 25R	2600	1	533	2600	1	533	2600	1 1/2	533	2600	2	533	2600	2	533					
CIRCLING	3080	1 1/4	899	3080	1 1/4	899	3100	2 3/4	919	3540	3	1359	3540	3	1359					
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE} TCH {FEET}) CHART NOTE: FOR INOPERATIVE MALSF, INCREASE S-ILS ALL CATS VISIBILITY 1/8 MILE AND S-LOC CAT D AND E 1/4 MILE. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CROWE ON V562 EASTBOUND. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 25R.																				
CITY AND STATE LAS VEGAS, NV				ELEVATION: 2181 AIRPORT NAME: MC CARRAN INTL			TDZE: 25L 2069 TDZE: 25R 2067			FACILITY IDENTIFIER: I-RLE			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 25L, AMDT 5, 08/20/2015			SUP: AMDT: 4 DATED 04/30/2015				



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

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CITY AND STATE
LAS VEGAS, NV

ELEVATION: 2181 TDZE: 25L 2069
AIRPORT NAME: TDZE: 25R 2067
MC CARRAN INTL

FACILITY
IDENTIFIER:
I-RLE

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 25L, AMDT 5, 08/20/2015

SUP:
AMDT: 4
DATED: 04/30/2015

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.				
ILS STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29												
ARINC SUMMARY - 424-18 - ILS												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CROWE	CROWE	010	IAF	IF		FB					
	CROWE	CFFMV	020		TF		FB				AA 08000	
	CROWE	PRINO	030		TF		FB				AA 08000	
	CROWE	LARRE	040		TF		FB				AA 06500	
	CROWE	SHAND	050		CF		FB		255.0 ()	005.2	AA 04900	
		SHAND	010	FACF	IF		FB				AA 04900	GI 03800
		RELIN	020	FAF	CF		FB		255.0 ()	003.6	GI 03800	GS 03800
		RW25L	030	MAP	CF		FO		255.0 ()	005.3	AT 02109	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		255.0 ()		AA 03100	
		BLD	050		DF	R	FO				AA 07000	
		BLD	060		HM	R	FO		330.0 ()	T01.0	AA 07000	
POINT DATA		WAYPOINT		LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
		BLD		N355944.84		W1145148.88		N3559.747		W11451.815		
		LAS		N360446.93		W1150935.27		N3604.782		W11509.588		
		IRLE (DME)		N360422.25		W1150953.27		N3604.371		W11509.888		
		CROWE		N360427.22		W1141957.82		N3604.454		W11419.964		
		CFFMV		N360417.82		W1142009.40		N3604.297		W11420.157		
		LARRE		N360424.65		W1145009.64		N3604.411		W11450.161		
		PRINO		N360423.60		W1144338.86		N3604.393		W11443.648		
		RELIN		N360425.27		W1150059.87		N3604.421		W11500.998		
		SHAND		N360425.13		W1145634.22		N3604.419		W11456.570		
		RW25L		N360425.17		W1150732.97		N3604.420		W11507.550		
		IRLE (LOC)		N360425.05		W1150953.34		N3604.418		W11509.889		
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW25L	02049			66						
CITY AND STATE		ELEVATION: 2181		TDZE: 25L 2069		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:			SUP:	
LAS VEGAS, NV		AIRPORT NAME:		TDZE: 25R 2067		I-RLE		ILS OR LOC RWY 25L, AMDT 5, 08/20/2015			AMDT: 4	
		MC CARRAN INTL									DATED: 04/30/2015	



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												
ARINC SUMMARY - 424-18 - LOC												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CROWE	CROWE	010	IAF	IF		FB					
	CROWE	CFFMV	020		TF		FB				AA 08000	
	CROWE	PRINO	030		TF		FB				AA 08000	
	CROWE	LARRE	040		TF		FB				AA 06500	
	CROWE	SHAND	050		CF		FB		255.0 ()	005.2	AA 04900	
		SHAND	010	FACF	IF		FB				AA 04900	
		RELIN	020	FAF	CF		FB		255.0 ()	003.6	AA 03800	
		RW25L	030	MAP	CF		FO		255.0 ()	005.3	AT 02109	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		255.0 ()		AA 03100	
		BLD	050		DF	R	FO				AA 07000	
		BLD	060		HM	R	FO		330.0 ()	T01.0	AA 07000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		BLD	N355944.84		W1145148.88		N3559.747		W11451.815			
		LAS	N360446.93		W1150935.27		N3604.782		W11509.588			
		IRLE (DME)	N360422.25		W1150953.27		N3604.371		W11509.888			
		CROWE	N360427.22		W1141957.82		N3604.454		W11419.964			
		CFFMV	N360417.82		W1142009.40		N3604.297		W11420.157			
		LARRE	N360424.65		W1145009.64		N3604.411		W11450.161			
		PRINO	N360423.60		W1144338.86		N3604.393		W11443.648			
		RELIN	N360425.27		W1150059.87		N3604.421		W11500.998			
		SHAND	N360425.13		W1145634.22		N3604.419		W11456.570			
		RW25L	N360425.17		W1150732.97		N3604.420		W11507.550			
		IRLE (LOC)	N360425.05		W1150953.34		N3604.418		W11509.889			
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW25L	02049		66							



CITY AND STATE LAS VEGAS, NV	ELEVATION: 2181	TDZE: 25L 2069	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	TDZE: 25R 2067	I-RL	ILS OR LOC RWY 25L, AMDT 5, 08/20/2015	AMDT: 4
	MC CARRAN INTL				DATED: 04/30/2015

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 5.33 MILES AFTER CONDY INT/I-LAS 7.57 DME OR AT I-LAS 2.25 DME FIX CLIMB TO 3200 THEN CLIMBING RIGHT TURN TO 6000 DIRECT BLD VORTAC AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 3200 THEN CLIMBING RIGHT TURN TO 7500 ON HEADING 130 AND ON LAS VORTAC R-076 TO FLYES/LAS 19.31 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7500. (DME REQUIRED) ADDITIONAL FLIGHT DATA: HOLD SE, RT, 330.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E FLYES/LAS 19.31 DME, LT, 255.53 INBOUND. CHART FAS OBST: 2074 TREE 360427N/1150706W CHART FAS OBST: 2097 TOWER 360417N/1150715W CHART 2665 BLDG 360511N/1150920W CHART VDP AT 3.58 DME* DISTANCE VDP TO THLD 1.34 MILES. CHART CIRCLING ICON *LOC ONLY										
CRESO INT/BLD VORTAC 19.82 DME		BLD VORTAC			032.99 / 19.82				7600												
CROWE/I-LAS 40.82 DME		FLYES INT/I-LAS 19.90 DME			254.96 / 20.92 (I-LAS)				8000												
BLD VORTAC (IAF)		HAWKO INT/I-LAS 12.68 DME			319.35 / 5.36				5400												
FLYER INT/I-LAS 19.90 DME (IAF)		FLICR INT/I-LAS 15.59 DME			254.96 / 4.31 (I-LAS)				6500												
FLICR INT/I-LAS 15.59 DME		HAWKO INT/I-LAS 12.68 DME			254.96 / 2.91 (I-LAS)				5400												
HAWKO INT/I-LAS 12.68 DME (IF)		CONDY INT/I-LAS 7.57 DME			254.96 / 5.11 (I-LAS)				3800												
1. _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT FLYES INT/I-LAS 19.90 DME 3. FAC: 254.96 FAF: CONDY INT/I-LAS 7.57 DME DIST FAF TO MAP: 5.33 THLD: 5.33 4. MIN. ALT: FLYES 8000, FLICR 6500, HAWKO 5400, CONDY 3800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1127 6. MIN GS INCPT: 3800 GS ALT AT: CONDY 3800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 60.0 8. MSA FROM: LAS VORTAC 030-120 6700, 120-210 8400, 210-300 13200, 300-030 10200																	MAG VAR: 15E		EPOCH YEAR: 1980		
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: #		LOC: @										
CATEGORY ==>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
S-ILS 25R	2359	3/4	292	2359	3/4	292	2359	3/4	292	2359	3/4	292	2359	3/4	292						
S-LOC 25R	2560	3/4	493	2560	3/4	493	2560	1 1/8	493	2560	1 1/8	493	2560	1 1/8	493						
SIDESTEP 25L	2560	1	491	2560	1	491	2560	1 1/2	491	2560	2	491	2560	2	491						
CIRCLING	3080	1 1/4	899	3080	1 1/4	899	3100	2 3/4	919	3540	3	1359	3540	3	1359						
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP 25L. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BLD VORTAC AIRWAY RADIALS 274 CW 016. CHART NOTE: FOR INOPERATIVE MALS INCREASE S-ILS 25R VISIBILITY ALL CATS TO 1 MILE, AND S-LOC 25R CAT D AND E VISIBILITY TO 1 3/8 MILE. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})																	# CAT A, B 900-2, CAT C 1000-2 3/4, CAT D, E 1400-3 @ CAT A, B 900-2, CAT C 1000-2 3/4, CAT D, E 1400-3		QUALITY 25 CHECKED		
CITY AND STATE		ELEVATION: 2181 TDZE: 25R 2067		FACILITY IDENTIFIER: I-LAS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:											
LAS VEGAS, NV		AIRPORT NAME: MC CARRAN INTL				ILS OR LOC RWY 25R, AMDT 18, 08/20/2015				AMDT: 17A											
										DATED 01/12/2012											

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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QUALITY
25
CHECKED

CITY AND STATE
LAS VEGAS, NV

ELEVATION: 2181 TDZE: 25R 2067
AIRPORT NAME: TDZE: 25L 2069
MC CARRAN INTL

FACILITY
IDENTIFIER:
I-LAS

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 25R, AMDT 18, 08/20/2015

SUP:
AMDT: 17A
DATED: 01/12/2012

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.

CITY AND STATE
LAS VEGAS, NV

ELEVATION: 2181 TDZE: 25R 2067
AIRPORT NAME: TDZE: 25L 2069
MC CARRAN INTL

FACILITY
IDENTIFIER:
I-LAS

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 25R, AMDT 18, 08/20/2015

SUP:
AMDT: 17A
DATED: 01/12/2012

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.				
ILS STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29												
ARINC SUMMARY - 424-18 - ILS												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CRESO	CRESO	010		IF		FB					
	CRESO	BLD	020	IAF	TF		FB				AA 07600	
	CRESO	BLD	030		FC		FB		319.4 ()	003.4	AA 05400	
	CRESO	HAWKO	040		CF		FB		319.4 ()	002.0	AA 05400	
	CROWE	CROWE	010		IF		FB					
	CROWE	FLYES	020	IAF	TF		FB				AA 08000	
	CROWE	FLICR	030		TF		FB				AA 06500	
	CROWE	HAWKO	040		CF		FB		255.0 ()	002.9	AA 05400	
		HAWKO	010	FACF	IF		FB				AA 05400	GI 03800
		CONDY	020	FAF	CF		FB		255.0 ()	005.1	GI 03800	GS 03800
		RW25R	030	MAP	CF		FO		255.0 ()	005.3	AT 02104	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		255.0 ()		AA 03200	
		BLD	050		DF	R	FO				AA 06000	
		BLD	060		HM	R	FO		330.0 ()	T01.0	AA 06000	
POINT DATA		WAYPOINT	LAT IN SECS			LONG IN SECS			LAT IN MINS		LONG IN MINS	
		BLD	N355944.84			W1145148.88			N3559.747		W11451.815	
		LAS	N360446.93			W1150935.27			N3604.782		W11509.588	
		ILAS (DME)	N360430.52			W1151019.16			N3604.509		W11510.319	
		CRESO	N354626.53			W1150954.76			N3546.442		W11509.913	
		CROWE	N360427.22			W1141957.82			N3604.454		W11419.964	
		CONDY	N360435.10			W1150058.75			N3604.585		W11500.979	
		FLICR	N360434.48			W1145105.23			N3604.575		W11451.087	
		FLYES	N360433.84			W1144546.01			N3604.564		W11445.767	
		HAWKO	N360434.81			W1145440.64			N3604.580		W11454.677	
		RW25R	N360435.06			W1150732.94			N3604.584		W11507.549	
		ILAS (LOC)	N360434.91			W1151019.18			N3604.582		W11510.320	
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW25R	02044		60							



CITY AND STATE LAS VEGAS, NV	ELEVATION: 2181	TDZE: 25R 2067	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	TDZE: 25L 2069	I-LAS	ILS OR LOC RWY 25R, AMDT 18, 08/20/2015	AMDT: 17A
	MC CARRAN INTL	DATED: 01/12/2012			

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												
ARINC SUMMARY - 424-18 - LOC												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CRESO	CRESO	010		IF		FB					
	CRESO	BLD	020	IAF	TF		FB				AA 07600	
	CRESO	BLD	030		FC		FB		319.4 ()	003.4	AA 05400	
	CRESO	HAWKO	040		CF		FB		319.4 ()	002.0	AA 05400	
	CROWE	CROWE	010		IF		FB					
	CROWE	FLYES	020	IAF	TF		FB				AA 08000	
	CROWE	FLICR	030		TF		FB				AA 06500	
	CROWE	HAWKO	040		CF		FB		255.0 ()	002.9	AA 05400	
		HAWKO	010	FACF	IF		FB				AA 05400	
		CONDY	020	FAF	CF		FB		255.0 ()	005.1	AA 03800	
		RW25R	030	MAP	CF		FO		255.0 ()	005.3	AT 02104	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		255.0 ()		AA 03200	
		BLD	050		DF	R	FO				AA 06000	
		BLD	060		HM	R	FO		330.0 ()	T01.0	AA 06000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		BLD	N355944.84		W1145148.88		N3559.747		W11451.815			
		LAS	N360446.93		W1150935.27		N3604.782		W11509.588			
		ILAS (DME)	N360430.52		W1151019.16		N3604.509		W11510.319			
		CRESO	N354626.53		W1150954.76		N3546.442		W11509.913			
		CROWE	N360427.22		W1141957.82		N3604.454		W11419.964			
		CONDY	N360435.10		W1150058.75		N3604.585		W11500.979			
		FLICR	N360434.48		W1145105.23		N3604.575		W11451.087			
		FLYES	N360433.84		W1144546.01		N3604.564		W11445.767			
		HAWKO	N360434.81		W1145440.64		N3604.580		W11454.677			
		RW25R	N360435.06		W1150732.94		N3604.584		W11507.549			
		ILAS (LOC)	N360434.91		W1151019.18		N3604.582		W11510.320			
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW25R	02044		60							
CITY AND STATE LAS VEGAS, NV		ELEVATION: 2181		TDZE: 25R 2067		FACILITY IDENTIFIER: ILAS		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 25R, AMDT 18, 08/20/2015			SUP:	
		AIRPORT NAME:		TDZE: 25L 2069							AMDT: 17A	
		MC CARRAN INTL									DATED: 01/12/2012	



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

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NOTES, (CONT.):

3/8 MILE, LNAV/VNAV ALL CATS AND CIRCLING CAT C VISIBILITY 1/2 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING VANCE AFB ALTIMETER SETTING.

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

TAA	FROM	TO	ALT
1.	086/30 CW 266/30 (NOPT)	086/7 CW 266/7	3600
2.	086/7 CW 266/7	ZOKOF (IF/IAF) (FB)	3300
3.	266/30 CW 356/30	SPIRY (IAF) (FB)	3300
4.	356/30 CW 086/30	WADAT (IAF) (FB)	3600

QUALITY
14
CHECKED

CITY AND STATE ALVA, OK	ELEVATION: 1477 TDZE: 1477 AIRPORT NAME: ALVA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 20 AUGUST 2015	SUP:
				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	KAVK
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	364649.0670N
LTP/FTP LONGITUDE	0984013.4025W
LTP/FTP ELLIPSOIDAL HEIGHT	+04218
FPAP LATITUDE	364519.8500N
FPAP LONGITUDE	0984013.6345W
THRESHOLD CROSSING HEIGHT (TCH)	00047.1
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>	 1887C2C0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+04501
FPAP ORTHOMETRIC HEIGHT	+04501

QUALITY
14
CHECKED

CITY AND STATE ALVA, OK	ELEVATION: 1477 TDZE: 1477 AIRPORT NAME: ALVA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 20 AUGUST 2015	SUP:
				AMDT: NONE
				DATED:

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[illegible][illegible][illegible][illegible][illegible]

QUALITY
14
CHECKED

CITY AND STATE ALVA, OK	ELEVATION: 1477 TDZE: 1477	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: ALVA RGNL		RNAV (GPS) RWY 18, ORIG	AMDT: NONE
			20 AUGUST 2015	DATED:

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 - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	SPIRY	SPIRY	010	IAF	IF		FB					
	SPIRY	ZOKOF	020		TF		FB	1.0	266.2 (270.2T)	006.4	AA 03300	
	WADAT	WADAT	010	IAF	IF		FB					
	WADAT	ZOKOF	020		TF		FB	1.0	086.0 (090.0T)	006.4	AA 03300	
	ZOKOF	ZOKOF	010	IAF	HF	L	FO		176.1 (180.1T)	004.0	AA 03300	
		ZOKOF	010	FACF	IF		FB				AA 03300	
		ZIXIN	020	FAF	TF		FB	0.5	176.1 (180.1T)	005.0	AA 03300	
		RW18	030	MAP	TF		FO	0.3	176.1 (180.1T)	005.6	AT 01524	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		176.1 (180.1T)		AA 01738	
		HINEN	050		DF		FO				AA 03300	
		HINEN	060		HM	R	FO		356.1 (000.1T)	004.0	AA 03300	
POINT DATA		WAYPOINT			LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS	
		HINEN			N363521.32		W0984015.19		N3635.355		W09840.253	
		SPIRY			N365723.48		W0983216.38		N3657.391		W09832.273	
		WADAT			N365725.08		W0984807.11		N3657.418		W09848.119	
		ZIXIN			N365224.16		W0984012.53		N3652.403		W09840.209	
		ZOKOF			N365724.55		W0984011.74		N3657.409		W09840.196	
		RW18			N364649.07		W0984013.40		N3646.818		W09840.223	
RUNWAY DATA				THRESHOLD								
		RWY		ELEVATION		TCH						
		RW18		01477		47						



CITY AND STATE ALVA, OK	ELEVATION: 1477	TDZE: 1477	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 18, ORIG	AMDT: NONE
	ALVA RGNL	RNAV	20 AUGUST 2015	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		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: _____																			
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																			
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																			
7. GS ANGLE: _____ TCH: _____																			
8. MSA FROM: _____																			
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				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 20 AUGUST 2015																			
CITY AND STATE ALVA, OK		ELEVATION: 1474 TDZE: AIRPORT NAME: ALVA RGNL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG, 11/28/2002						SUP: AMD'T: 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.										
TERMINAL ROUTES											MISSED APPROACH					
FROM		TO			COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 3300 DIRECT ZOKOF AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, LT, 176.12 INBOUND. CHART FAS OBST: 1579 TREE 364607N/0984038W DISTANCE TO THLD FROM 250 HAT: 0.67 NM. CHART VDP AT 1.04 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 61337 REFERENCE PATH ID: W36A CHART CIRCLING ICON CHART A-562A AND A-562B LTP HAE: 419.5 M						
ANEME (IAF)		HINEN (NOPT) (FB)			086.04 / 6.35			3300								
FASPA (IAF)		HINEN (NOPT) (FB)			266.20 / 6.35			3300								
HINEN (IF/IAF)		CADAP (FB)			356.12 / 5.00			3300								
CADAP (FAF)		AURAL/1.80 NM TO RW36 (FB)			356.12 / 3.82											
AURAL/1.80 NM TO RW36		RW36 (MAP) (FO)			356.12 / 1.80											
RW36 (MAP)		1721 MSL			356.12											
1721 MSL		ZOKOF (FO)						3300								
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S HINEN, RT, 356.12 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC: <u>356.12</u> FAF: CADAP DIST FAF TO MAP: <u>5.62</u> THLD: <u>5.62</u> 4. MIN. ALT: HINEN 3300, CADAP 3300, AURAL/1.80 NM TO RW36 2080* 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>3300</u> GS ALT AT: CADAP 3300 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS CLEAR 8. MSA FROM: <u> </u>											MAG VAR: 4E		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	1721	7/8	250	1721	7/8	250	1721	7/8	250		NA					
LNAV/VNAV DA	1751	1	280	1751	1	280	1751	1	280		NA					
LNAV MDA	1840	1	369	1840	1	369	1840	1	369		NA					
CIRCLING	1980	1	503	2120	1	643	2220	2 1/4	743		NA					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VANCE AFB ALTIMETER SETTING AND INCREASE ALL DA 127 FEET AND ALL MDA 140 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS AND LNAV (SEE FORM 8260-10) @ NA WHEN LOCAL WEATHER NOT AVAILABLE. @ CAT C 800-2 1/4 QUALITY 14 CHECKED																
CITY AND STATE			ELEVATION: 1477 TDZE: 1471			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:			
ALVA, OK			AIRPORT NAME:			RNAV		RNAV (GPS) RWY 36, ORIG					AMDT: NONE			
			ALVA RGNL					20 AUGUST 2015					DATED			

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

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NOTES, (CONT.):

CAT C VISIBILITY 3/8 MILE AND CIRCLING CAT C VISIBILITY 1/2 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING VANCE AFB ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	266/30 CW 086/30 (NOPT)	266/10 CW 086/10	3700
2.	266/10 CW 086/10	HINEN (IF/IAF) (FB)	3300
3.	086/30 CW 176/30	ANEME (IAF) (FB)	3700
4.	176/30 CW 266/30	FASPA (IAF) (FB)	3300

QUALITY
14
CHECKED

CITY AND STATE

ALVA, OK

ELEVATION: 1477

TDZE: 1471

AIRPORT NAME:

ALVA RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, ORIG

20 AUGUST 2015

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAVK
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	364559.6265N
LTP/FTP LONGITUDE	0984013.5350W
LTP/FTP ELLIPSOIDAL HEIGHT	+04195
FPAP LATITUDE	364728.8440N
FPAP LONGITUDE	0984013.3030W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	50E85250

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+04477
FPAP ORTHOMETRIC HEIGHT	+04477

QUALITY
14
CHECKED

CITY AND STATE ALVA, OK	ELEVATION: 1477 TDZE: 1471 AIRPORT NAME: ALVA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 20 AUGUST 2015	SUP:
				AMDT: NONE
				DATED:

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Page 4 of 5 Pages

QUALITY
14
CHECKED

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 - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ANEME	ANEME	010	IAF	IF		FB					
	ANEME	HINEN	020		TF		FB	1.0	086.0 (090.0T)	006.4	AA 03300	
	FASPA	FASPA	010	IAF	IF		FB					
	FASPA	HINEN	020		TF		FB	1.0	266.2 (270.2T)	006.4	AA 03300	
	HINEN	HINEN	010	IAF	HF	R	FO		356.1 (000.1T)	004.0	AA 03300	
		HINEN	010	FACF	IF		FB				AA 03300	
		CADAP	020	FAF	TF		FB	0.5	356.1 (000.1T)	005.0	AA 03300	
		AURAL	021	SDF	TF		FB	0.3	356.1 (000.1T)	003.8	AA 02080	GS 02082
		RW36	030	MAP	TF		FO	0.3	356.1 (000.1T)	001.8	AT 01509	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		356.1 (000.1T)		AA 01721	
		ZOKOF	050		DF		FO				AA 03300	
		ZOKOF	060		HM	L	FO		176.1 (180.1T)	004.0	AA 03300	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		ANEME	N363521.85		W0984808.29		N3635.364		W09848.138			
		AURAL	N364411.49		W0984013.82		N3644.192		W09840.230			
		CADAP	N364021.72		W0984014.41		N3640.362		W09840.240			
		FASPA	N363520.26		W0983222.10		N3635.338		W09832.368			
		HINEN	N363521.32		W0984015.19		N3635.355		W09840.253			
		ZOKOF	N365724.55		W0984011.74		N3657.409		W09840.196			
		RW36	N364559.63		W0984013.54		N3645.994		W09840.226			
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW36	01469		40							

QUALITY
14
CHECKED

CITY AND STATE ALVA, OK	ELEVATION: 1477	TDZE: 1471	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 20 AUGUST 2015	SUP:
	AIRPORT NAME:				AMDT: NONE
	ALVA RGNL		RNAV		DATED:

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

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City, State	Airport	Effective Date	Amdt. No.
ALVA, OK	ALVA RGNL	20 AUGUST 2015	2

TAKEOFF MINIMUMS:

RWY 18, 36: STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18: SIGN 24 FEET FROM DER, 252 FEET LEFT OF CENTERLINE, 3 FEET AGL/1471 FEET MSL.

NOTE: RWY 36: BLDG 2523 FEET FROM DER, 327 FEET LEFT OF CENTERLINE, 74 FEET AGL/1549 FEET MSL.

CONTROLLING OBSTACLES:



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

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

City, State	Airport	Effective Date	Amdt. No.
ALVA, OK	ALVA RGNL	20 AUGUST 2015	2

REMARKS:

FLIGHT INSPECTED BY: *Digitally signed by*
JASON ERICKSON *JACOB POWERS*
Jun 24, 2015

6/15/2015

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY: *Digitally signed by*
PABLO ORTIZ *JACOB POWERS*
Jun 24, 2015

AJV-353

04/02/2015

APPROVED BY: *Digitally signed by*
GEORGE GONZALEZ *JACOB POWERS* AJV-353
Jun 24, 2015

COORDINATED WITH:

ZKC, END APP CON, ALPA, AOPA, NBAA, AMGR, ST. AV. DIR.

CHANGES:

1. REMOVED ALL REFERENCE RWY 8/26 AND RWY 17/35.
2. REMOVED RWY 8/35 DEPARTURE PROCEDURE AND DEPARTURE OBSTACLE.
3. ADDED TAKEOFF MINIMUMS (STANDARD) AND OBSTACLE NOTES RWY 18/36.

REASONS:

1. RWY NO LONGER EXIST.
2. NO LONGER REQUIRED.
3. NEW RWY 18/36; CURRENT LOW CLOSE-IN OBSTACLES FOR THE RWY 18/36.



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: RW36						
VIANE		CEMUL (FB)		316.23 / 19.20			3000		CLIMB TO 2500 DIRECT TUSOC AND HOLD.						
OKM VOR/DME		DIYES (FB)		072.87 / 21.22			3000								
DIYES (IAF)		COGES (FB)		085.57 / 5.00			2300								
CEMUL (IAF)		COGES (FB)		265.69 / 5.00			2300								
COGES (IF)		FEBSI (FB)		355.63 / 6.10			2300								
FEBSI (FAF)		RW36 (MAP) (FO)		355.63 / 5.14					ADDITIONAL FLIGHT DATA: HOLD N, RT, 175.63 INBOUND. CHART FAS OBST: 769 TREE 355757N/0951954W CHART DAVIS FIELD AWOS-3.						
RW36 (MAP)		999 MSL		355.63											
999 MSL		TUSOC (FO)					2500								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 4E EPOCH YEAR: 2005					
2. PROFILE STARTS AT COGES															
3. FAC: 355.63 FAF: FEBSI DIST FAF TO MAP: 5.14 THLD: 5.14															
4. MIN. ALT: COGES 2300, FEBSI 2300															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____															
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR															
8. MSA FROM: RW36 3600															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A X											
CATEGORY >>>>>>		A		B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1100	1	501	1100	1	501		NA			NA				
CIRCLING	1180	1	582	1180	1	582		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: USE MUSKOGEE ALTIMETER SETTING; WHEN NOT RECEIVED, USE TAHLEQUAH ALTIMETER SETTING AND INCREASE ALL MDAS 40FT. (SEE FORM 8260-10)															
CITY AND STATE WAGONER, OK		ELEVATION: 599 TDZE: 599 AIRPORT NAME: HEFNER-EASLEY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1A 20 AUGUST 2015				SUP: AMDT: 1 DATED 02/14/2008					

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

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NOTES, (CONT.):

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

CHART PROFILE NOTE: DESCENT ANGLE NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OKM VOR/DME AIRWAY RADIALS 359 CW 037.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VIANE ON V63 SOUTHWEST BOUND.

QUALITY
16
CHECKED

CITY AND STATE

WAGONER, OK

ELEVATION: 599

TDZE: 599

AIRPORT NAME:

HEFNER-EASLEY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 1A

20 AUGUST 2015

SUP:

AMDT: 1

DATED: 02/14/2008

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

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ARINC SUMMARY - H68

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
OKM	010	OKM	IF	FB										V
OKM	020	DIYES	TF	FB	2.0	072.9						AA 03000		E A
OKM	030	COGES	TF	FB	1.0	085.6						AA 02300		EE
VIANE	010	VIANE	IF	FB										E
VIANE	020	CEMUL	TF	FB	2.0	316.2						AA 03000		E A
VIANE	030	COGES	TF	FB	1.0	265.7						AA 02300		EE
	010	COGES	IF	FB								AA 02300		E I
	020	FEBSI	TF	FB	0.5	355.6				RW36		AA 02300		E F
	030	RW36	TF	FO	0.3	355.6		0.00				AT 01100		GY M
	040		CA	FB		355.6						AA 00999		M
	050	TUSOC	DF	FO								AA 02500		EY
	060	TUSOC	HM	FO					R			AA 02500		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
OKM	N354135.15	W0955157.53
CEMUL	N354625.97	W0951416.32
COGES	N354624.19	W0952024.99
DIYES	N354622.09	W0952633.66
FEBSI	N355230.72	W0952027.89
TUSOC	N361242.90	W0952037.54
VIANE	N353140.36	W0945910.90

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW36	N355739.66	W0952030.36	00599	000

QUALITY
16
CHECKED

CITY AND STATE WAGONER, OK	ELEVATION: 599 TDZE: 599 AIRPORT NAME: HEFNER-EASLEY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1A 20 AUGUST 2015	SUP:
				AMDT: 1
				DATED: 02/14/2008

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: I-RDM 1.33 DME FIX CLIMB TO 3700 THEN CLIMBING RIGHT TURN TO 7000 ON HEADING 320 AND ON DSD VORTAC R-348 TO CUPRI/DSD 22.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 167.55 INBOUND. CHART FAS OBST: 3081 TREE 441543N/1210815W 3300 AAO 441857N/1210010W CHART VDP AT 2.40 DME* DISTANCE VDP TO THLD 1.08 MILES. *LOC ONLY. CHART DSD R-171 AT FESOD. CHART DSD R-100 AT RUSRE. CHART DSD R-348 AT CUPRI. CHART CIRCLING ICON.							
FESOD/DSD 22.00 DME CCW (IAF)		RUSRE/DSD 22.00 DME		22.00 DME ARC			7700									
RUSRE/DSD 22.00 DME CCW		YUBUB/I-RDM 16.72 DME		22.00 DME ARC (DSD LR-056)			7100									
CUPRI/DSD 22.00 DME CW (IAF)		YUBUB/I-RDM 16.72 DME		22.00 DME ARC (DSD LR-045)			7100									
FLUSS/I-RDM 23.00 DME/RADAR (IAF)		YUBUB/I-RDM 16.70 DME		226.37 / 6.28 (I-RDM)			7100									
YUBUB/I-RDM 16.72 DME (IF)		HUTKI/I-RDM 12.00 DME		226.37 / 4.73 (I-RDM)			5600									
HUTKI/I-RDM 12.00 DME		VERNN/I-RDM 7.60 DME		226.37 / 4.39 (I-RDM)			5100									
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF) 2. PROFILE STARTS AT YUBUB/I-RDM 16.72 DME 3. FAC: 226.37 FAF: VERNN/I-RDM 7.60 DME DIST FAF TO MAP: ____ THLD: 6.28 4. MIN. ALT: YUBUB 7100, HUTKI 5600, VERNN 5100, ZETLI/I-RDM 2.96 DME 3580* 5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: 858 6. MIN GS INCPT: 5100 GS ALT AT: VERNN/I-RDM 7.60 DME 5100 OM: ____ MM: ____ IM: ____ 7. GS ANGLE: 3.00 TCH: 47.1 8. MSA FROM: DSD VORTAC 090-180 8400, 180-270 11600, 270-360 9100, 360-090 7000											MAG VAR: 14E		EPOCH YEAR: 2020			
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A X									
CATEGORY >>>>>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 23	3265	1/2	200	3265	1/2	200	3265	1/2	200	3265	1/2	200	3265	1/2	200	
S-LOC 23	3440	1/2	375	3440	1/2	375	3440	5/8	375	3440	5/8	375	3440	5/8	375	
CIRCLING	3540	1	460	3560	1	480	3640	1 1/2	560	3740	2	660	3820	2 1/2	740	
NOTES: CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 4370. CHART NOTE: DME REQUIRED. CHART PLANVIEW NOTE: DME REQUIRED. CHART PROFILE NOTE: USE I-RDM DME WHEN ON THE LOCALIZER COURSE. (SEE FORM 8260-10)																
CITY AND STATE		ELEVATION: 3080 TDZE: 3065			FACILITY IDENTIFIER: I-RDM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP: ILS OR LOC RWY 22				
REDMOND, OR		AIRPORT NAME:			ROBERTS FIELD		ILS OR LOC RWY 23, AMDT 5					AMDT: 4				
							20 AUGUST 2015					DATED 04/30/2015				



**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: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BEND ALTIMETER SETTING: INCREASE DA TO 3341 FT; INCREASE ALL MDAS 80 FEET AND ALL CAT C, D AND E VISIBILITIES 1/2 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS-23 CAT E VISIBILITY TO 3/4 MILE AND S-LOC-23 CATS C, D AND E VISIBILITY TO 1 MILE. WHEN USING BEND ALTIMETER SETTING INCREASE S-ILS-23 ALL CATS VISIBILITY TO 1 MILE AND INCREASE S-LOC-23 CATS C, D AND E VISIBILITY TO 1 3/8 MILE.

CHART NOTE: VDP NA WHEN USING BEND ALTIMETER SETTING.

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

QUALITY
18
CHECKED

CITY AND STATE

REDMOND, OR

ELEVATION: 3080

TDZE: 3065

AIRPORT NAME:

ROBERTS FIELD

FACILITY
IDENTIFIER:

I-RDM

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 23, AMDT 5

20 AUGUST 2015

SUP: ILS OR LOC RWY 22

AMDT: 4

DATED: 04/30/2015

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.				
ILS STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29												
ARINC SUMMARY - 424-18 - ILS												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CUPRI	CUPRI	010	IAF	IF		FB					
	CUPRI	YUBUB	020		AF	R	FB		347.6 ()		AA 07100	
	CUPRI	HUTKI	030		CF		FB		226.4 ()	004.7	AA 05600	
	FESOD	FESOD	010	IAF	IF		FB					
	FESOD	RUSRE	020		AF	L	FB		170.6 ()		AA 07700	
	FESOD	YUBUB	030		AF	L	FB		100.0 ()		AA 07100	
	FESOD	HUTKI	040		CF		FB		226.4 ()	004.7	AA 05600	
	FLUSS	FLUSS	010	IAF	IF		FB					
	FLUSS	YUBUB	020		TF		FB				AA 07100	
	FLUSS	HUTKI	030		CF		FB		226.4 ()	004.7	AA 05600	
		HUTKI	010	FACF	IF		FB				AA 05600 GI 05100	
		VERNN	020	FAF	CF		FB		226.0 ()	004.4	GI 05100 GS 05100	
		RW23	030	MAP	CF		FO		226.0 ()	006.3	AT 03101	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		226.4 ()		AA 03700	
			050		VI	R	FB		320.0 ()			
		CUPRI	060		CF		FO		347.6 ()	019.0	AA 07000	
		CUPRI	070		HM	R	FO		167.6 ()	T01.0	AA 07000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		DSD	N441509.95		W1211812.69		N4415.166		W12118.212			
		IRDM (DME)	N441455.46		W1210956.30		N4414.924		W12109.938			
		CUPRI	N443703.76		W1211513.89		N4437.063		W12115.232			
		FESOD	N435324.50		W1212244.05		N4353.408		W12122.734			
		FLUSS	N442612.61		W1204200.44		N4426.210		W12042.007			
		HUTKI	N442048.40		W1205522.87		N4420.807		W12055.381			
		RUSRE	N440447.06		W1205115.87		N4404.784		W12051.265			
		VERNN	N441838.56		W1210042.41		N4418.643		W12100.707			
		YUBUB	N442307.77		W1204938.71		N4423.130		W12049.645			
		RW23	N441532.59		W1210818.39		N4415.543		W12108.307			
		IRDM (LOC)	N441453.35		W1210954.37		N4414.889		W12109.906			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW23	03054		47							
CITY AND STATE REDMOND, OR		ELEVATION: 3080		TDZE: 3065		FACILITY IDENTIFIER: I-RDM		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 23, AMDT 5 20 AUGUST 2015			SUP: ILS OR LOC RWY 22	
		AIRPORT NAME:		ROBERTS FIELD							AMDT: 4	
											DATED: 04/30/2015	



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												
ARINC SUMMARY - 424-18 - LOC												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CUPRI	CUPRI	010	IAF	IF		FB					
	CUPRI	YUBUB	020		AF	R	FB		347.6 ()		AA 07100	
	CUPRI	HUTKI	030		CF		FB		226.4 ()	004.7	AA 05600	
	FESOD	FESOD	010	IAF	IF		FB					
	FESOD	RUSRE	020		AF	L	FB		170.6 ()		AA 07700	
	FESOD	YUBUB	030		AF	L	FB		100.0 ()		AA 07100	
	FESOD	HUTKI	040		CF		FB		226.4 ()	004.7	AA 05600	
	FLUSS	FLUSS	010	IAF	IF		FB					
	FLUSS	YUBUB	020		TF		FB				AA 07100	
	FLUSS	HUTKI	030		CF		FB		226.4 ()	004.7	AA 05600	
		HUTKI	010	FACF	IF		FB				AA 05600	
		VERNN	020	FAF	CF		FB		226.0 ()	004.4	AA 05100	
		ZETLI	021	SDF	CF		FB		226.0 ()	004.7	AA 03580	
		RW23	030	MAP	CF		FO		226.0 ()	001.6	AT 03101	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		226.4 ()		AA 03700	
			050		VI	R	FB		320.0 ()			
		CUPRI	060		CF		FO		347.6 ()	019.0	AA 07000	
		CUPRI	070		HM	R	FO		167.6 ()	T01.0	AA 07000	
POINT DATA		WAYPOINT		LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
		DSD			N441509.95		W1211812.69		N4415.166		W12118.212	
		IRDM (DME)			N441455.46		W1210956.30		N4414.924		W12109.938	
		CUPRI			N443703.76		W1211513.89		N4437.063		W12115.232	
		FESOD			N435324.50		W1212244.05		N4353.408		W12122.734	
		FLUSS			N442612.61		W1204200.44		N4426.210		W12042.007	
		HUTKI			N442048.40		W1205522.87		N4420.807		W12055.381	
		RUSRE			N440447.06		W1205115.87		N4404.784		W12051.265	
		VERNN			N441838.56		W1210042.41		N4418.643		W12100.707	
		YUBUB			N442307.77		W1204938.71		N4423.130		W12049.645	
		ZETLI			N441620.95		W1210620.02		N4416.349		W12106.334	
		RW23			N441532.59		W1210818.39		N4415.543		W12108.307	
		IRDM (LOC)			N441453.35		W1210954.37		N4414.889		W12109.906	
RUNWAY DATA		THRESHOLD		ELEVATION		TCH						
		RWY										
		RW23	03054		47							
CITY AND STATE		ELEVATION: 3080		TDZE: 3065		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:			SUP: ILS OR LOC RWY 22	
REDMOND, OR		AIRPORT NAME:		ROBERTS FIELD		I-RDM		ILS OR LOC RWY 23, AMDT 5			AMDT: 4	
								20 AUGUST 2015			DATED: 04/30/2015	



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: RW11 CLIMB TO 3500 THEN CLIMBING RIGHT TURN TO 8500 DIRECT URBIA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8500. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 306.00 INBOUND. CHART FAS OBST: 3226 TOWER 441639N/1211203W DISTANCE TO THLD FROM 250 HAT: 0.70 NM. CHART VDP AT 1.21 MILES TO RW11* *LNAV ONLY. WAAS CHANNEL # 53514 REFERENCE PATH ID: W11A CHART CIRCLING ICON LTP HAE: 906.8 M									
SNOKY		EHENE (FB)		042.08 / 6.06				10300											
DRACK		EHENE (FB)		318.69 / 11.59				10300											
EHENE (IAF)		JURDY (FB)		041.55 / 8.29				6300											
JJETT (IAF)		IYIVA (FB)		146.56 / 26.81				8000											
WALDO (IAF)		UNUNE (FB)		115.41 / 22.52				12100											
YONKU (IAF)		JURDY (FB)		197.81 / 10.59				6300		ADDITIONAL FLIGHT DATA: HOLD SE, RT, 306.00 INBOUND. CHART FAS OBST: 3226 TOWER 441639N/1211203W DISTANCE TO THLD FROM 250 HAT: 0.70 NM. CHART VDP AT 1.21 MILES TO RW11* *LNAV ONLY. WAAS CHANNEL # 53514 REFERENCE PATH ID: W11A CHART CIRCLING ICON LTP HAE: 906.8 M									
IYIVA		JURDY (FB)		146.71 / 10.00				6300											
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT JURDY _____ 3. FAC: <u>107.82</u> FAF: <u>ZEVAD</u> DIST FAF TO MAP: <u>5.04</u> THLD: <u>5.04</u> 4. MIN. ALT: <u>JURDY 6300, ZEVAD 4700</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>4700</u> GS ALT AT: <u>ZEVAD 4700</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW11 11600</u>																MAG VAR: 14E		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	3317	7/8	250	3317	7/8	250	3317	7/8	250	3317	7/8	250							
LNAV/VNAV DA	3393	1 1/8	326	3393	1 1/8	326	3393	1 1/8	326	3393	1 1/8	326							
LNAV MDA	3480	1	413	3480	1	413	3480	1 1/8	413	3480	1 1/8	413							
CIRCLING	3540	1	460	3560	1	480	3640	1 1/2	560	3740	2	660							
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING BEND ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 53C (127F). CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)																			
CITY AND STATE REDMOND, OR		ELEVATION: 3080 TDZE: 3067 AIRPORT NAME: ROBERTS FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, AMDT 2 20 AUGUST 2015				SUP: RNAV (GPS) RWY 10									
										AMDT: 1									
										DATED 07/24/2014									



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
UNUNE	JURDY (FB)	115.69 / 13.00	6300
JURDY (IF)	ZEVAD (FB)	107.72 / 6.95	4700
ZEVAD (FAF)	RW11 (MAP) (FO)	107.82 / 5.04	
RW11 (MAP)	3500 MSL	107.82	3500
3500 MSL	URBIA (FO)		8500

NOTES, (CONT.):

CHART NOTE: VDP NA WITH BEND ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE BEND ALTIMETER SETTING AND INCREASE ALL DA 76 FT AND ALL MDA 80 FT; INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, LNAV CATS C AND D VISIBILITY 1/4 MILE AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SNOKY ON V121 SOUTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT YONKU ON V25 NORTHBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WALDO ON V165 NORTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JJETT ON T302 NORTHWEST BOUND AND T304 NORTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DRACK ON V595 SOUTHBOUND.

QUALITY
14
CHECKED

CITY AND STATE

REDMOND, OR

ELEVATION: 3080

TDZE: 3067

AIRPORT NAME:

ROBERTS FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 11, AMDT 2

20 AUGUST 2015

SUP: **RNAV (GPS) RWY 10**AMDT: **1**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	KRDM
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	441532.1505N
LTP/FTP LONGITUDE	1210940.2370W
LTP/FTP ELLIPSOIDAL HEIGHT	+09068
FPAP LATITUDE	441445.0655N
FPAP LONGITUDE	1210754.9925W
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	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

<u>CRC REMAINDER</u>	706BF083
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+09279
FPAP ORTHOMETRIC HEIGHT	+09279

QUALITY
14
CHECKED

CITY AND STATE REDMOND, OR	ELEVATION: 3080 AIRPORT NAME: ROBERTS FIELD	TDZE: 3067 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, AMDT 2 20 AUGUST 2015	SUP: RNAV (GPS) RWY 10
				AMDT: 1
				DATED: 07/24/2014

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QUALITY
14
CHECKED

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

QUALITY
14
CHECKED

CITY AND STATE REDMOND, OR	ELEVATION: 3080	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 10
	AIRPORT NAME: ROBERTS FIELD		RNAV (GPS) RWY 11, AMDT 2	AMDT: 1
			20 AUGUST 2015	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 - FAR PART 97.33													
ARINC SUMMARY - 424-18 - RNAV (GPS)													
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED	
	DRACK	DRACK	010		IF		FB						
	DRACK	EHENE	020	IAF	TF		FB	2.0	318.7 (332.7T)	011.6	AA 10300		
	DRACK	JURDY	030		TF		FB	1.0	041.6 (055.6T)	008.3	AA 06300		
	JJETT	JJETT	010	IAF	IF		FB						
	JJETT	IYIVA	020		TF		FB	1.0	146.6 (160.6T)	026.8	AA 08000		
	JJETT	JURDY	030		TF		FB	1.0	146.7 (160.7T)	010.0	AA 06300		
	SNOKY	SNOKY	010		IF		FB						
	SNOKY	EHENE	020	IAF	TF		FB	2.0	042.1 (056.1T)	006.1	AA 10300		
	SNOKY	JURDY	030		TF		FB	1.0	041.6 (055.6T)	008.3	AA 06300		
	WALDO	WALDO	010	IAF	IF		FB						
	WALDO	UNUNE	020		TF		FB	1.0	115.4 (129.4T)	022.5	AA 12100		
	WALDO	JURDY	030		TF		FB	1.0	115.7 (129.7T)	013.0	AA 06300		
	YONKU	YONKU	010	IAF	IF		FB						
	YONKU	JURDY	020		TF		FB	1.0	197.8 (211.8T)	010.6	AA 06300		
		JURDY	010	FACF	IF		FB				AA 06300		
		ZEVAD	020	FAF	TF		FB	0.5	107.7 (121.7T)	007.0	AA 04700		
		RW11	030	MAP	TF		FO	0.3	107.8 (121.8T)	005.0	AT 03094		
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED	
			040		CA		FB		107.8 (121.8T)		AA 03500		
		URBIA	050		DF	R	FO				AA 08500		
		URBIA	060		HM	R	FO		306.0 (320.0T)	007.0	AA 08500		
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS				
		DRACK	N440652.71		W1212559.27		N4406.879		W12125.988				
		EHENE	N441710.32		W1213323.48		N4417.172		W12133.391				
		IYIVA	N443117.92		W1212828.13		N4431.299		W12128.469				
		JJETT	N445635.43		W1214056.36		N4456.591		W12140.939				
		JURDY	N442151.33		W1212351.71		N4421.856		W12123.862				
		SNOKY	N441347.76		W1214023.24		N4413.796		W12140.387				
		UNUNE	N443010.46		W1213748.56		N4430.174		W12137.809				
		URBIA	N440056.51		W1211136.09		N4400.942		W12111.602				
		WALDO	N444430.82		W1220207.32		N4444.514		W12202.122				
		YONKU	N443051.57		W1211604.82		N4430.860		W12116.080				
		ZEVAD	N441811.80		W1211537.89		N4418.197		W12115.632				
		RW11	N441532.15		W1210940.24		N4415.536		W12109.671				
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH								
CITY AND STATE REDMOND, OR		ELEVATION: 3080 AIRPORT NAME: ROBERTS FIELD			TDZE: 3067		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 11, AMDT 2 20 AUGUST 2015			SUP: RNAV (GPS) RWY 10 AMDT: 1 DATED: 07/24/2014	



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.
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CITY AND STATE REDMOND, OR	ELEVATION: 3080 AIRPORT NAME: ROBERTS FIELD	TDZE: 3067 RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 11, AMDT 2 20 AUGUST 2015	SUP: RNAV (GPS) RWY 10
				AMDT: 1
				DATED: 07/24/2014

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION																
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW05 CLIMB TO 9500 DIRECT COFMO AND ON TRACK 135.79 TO SAKKO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9500. ADDITIONAL FLIGHT DATA: HOLD E, RT, 276.42 INBOUND. CHART FAS OBST: 3219 TREE 441353N/1211049W 3340 AAO 441451N/1211403W DISTANCE TO THLD FROM 250 HAT: 0.63 NM. CHART VDP AT 1.24 MILES TO RW05* *LNAV ONLY. WAAS CHANNEL # 70514 REFERENCE PATH ID: W05A CHART CIRCLING ICON. LTP HAE: 915.9 M					
SAKKO		WUMUT (FB)			235.84 / 16.16				6800							
WUMUT		OCTAD (FB)			251.47 / 9.66				6800							
COPPR		OCTAD (FB)			064.88 / 9.14				8800							
HORRN		EHENE (FB)			148.41 / 12.25				8700							
WISSL		EHENE (FB)			183.95 / 19.60				8700							
CUPRI		EHENE (FB)			199.29 / 23.77				6800							
EHENE (IAF)		ZIBID (FB)			121.43 / 10.39				5900		(SEE FORM 8260-10)					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT ZIBID 3. FAC: <u>046.28</u> FAF: KICBY _____ DIST FAF TO MAP: <u>5.89</u> THLD: <u>5.89</u> 4. MIN. ALT: ZIBID 5900, KICBY 5000, PIBME/3.20 NM TO RW05 4140* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>5000</u> GS ALT AT: KICBY 5000 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS CLEAR 8. MSA FROM: RW05 11600																
										MAG VAR: 14E			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	3325	3/4	250	3325	3/4	250	3325	3/4	250	3325	3/4	250				
LNAV/VNAV DA	3347	7/8	272	3347	7/8	272	3347	7/8	272	3347	7/8	272				
LNAV MDA	3520	1	445	3520	1	445	3520	1 3/8	445	3520	1 3/8	445				
CIRCLING	3540	1	460	3560	1	480	3640	1 1/2	560	3760	2 1/4	680				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 53C (127F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAKKO ON V269 EASTBOUND. (SEE FORM 8260-10)																
CITY AND STATE REDMOND, OR		ELEVATION: 3080 TDZE: 3075 AIRPORT NAME: ROBERTS FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 5, AMDT 2 20 AUGUST 2015				SUP: RNAV (GPS) Y RWY 4						
										AMDT: 1						
										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	
OCTAD (IAF)	ZIBID (FB)	337.50 / 9.53	5900	
ZIBID (IF)	KICBY (FB)	049.63 / 5.17	5000	
KICBY (FAF)	PIBME/3.20 NM TO RW05 (FB)	046.28 / 2.69		
PIBME/3.20 NM TO RW05	RW05 (MAP) (FO)	046.28 / 3.20		
RW05 (MAP)	3325 MSL	046.28		
3325 MSL	COFMO (FB)			
COFMO	SAKKO (FO)	135.79 / 15.26	9500	
NOTES, (CONT.): CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT COPPR ON V595 SOUTHBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HORRN ON V165 NORTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WISSL ON T304 NORTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CUPRI ON V25 NORTHBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OCTAD ON V25 SOUTHBOUND. CHART NOTE: VDP AND BARO-VNAV NA WHEN USING BEND ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BEND ALTIMETER SETTING AND INCREASE ALL DA 76 FT AND ALL MDA 80 FT, INCREASE LPV VISIBILITY ALL CATS 3/8 MILE, LNAV/VNAV VISIBILITY ALL CATS 1/4 MILE, LNAV CAT C/D VISIBILITY 1/8 MILE, AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.				
CITY AND STATE REDMOND, OR	ELEVATION: 3080 AIRPORT NAME: ROBERTS FIELD	TDZE: 3075	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 5, AMDT 2 20 AUGUST 2015
				SUP: RNAV (GPS) Y RWY 4
				AMDT: 1
				DATED: 07/24/2014



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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRDM
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	441458.2310N
LTP/FTP LONGITUDE	1210942.4325W
LTP/FTP ELLIPSOIDAL HEIGHT	+09159
FPAP LATITUDE	441542.2815N
FPAP LONGITUDE	1210754.6680W
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	0608
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	A594FD3E
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+09370
FPAP ORTHOMETRIC HEIGHT	+09370

QUALITY
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CHECKED

CITY AND STATE REDMOND, OR	ELEVATION: 3080 TDZE: 3075 AIRPORT NAME: ROBERTS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 5, AMDT 2 20 AUGUST 2015	SUP: RNAV (GPS) Y RWY 4
				AMDT: 1
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	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEAENRT	COFMO K10	W		N44195432W120573588				E0150	NAR	COFMO			
SUSAEAENRT	COPPR K10	C L	N43583486W121334363					E0150	NAR	COPPR			
SUSAEAENRT	CUPRI K10	C L	N44370376W121151389					E0151	NAR	CUPRI			
SUSAEAENRT	EHENE K10	W	N44171032W121332348					E0151	NAR	EHENE			
SUSAEAENRT	HORRN K10	C L	N44285103W121383273					E0152	NAR	HORRN			
SUSAEAENRT	KICBY K10	W	N44120323W121164943					E0150	NAR	KICBY			
SUSAEAENRT	OCTAD K10	C L	N44001992W121211811					E0150	NAR	OCTAD			
SUSAEAENRT	PIBME K10	W	N44132321W121133450					E0150	NAR	PIBME			
SUSAEAENRT	SAKKO K10	C L	N44064242W120465637					E0149	NAR	SAKKO			
SUSAEAENRT	WISSL K10	W L	N44354939W121245904					E0152	NAR	WISSL			
SUSAEAENRT	WUMUT K10	W	N44010644W121075744					E0150	NAR	WUMUT			
SUSAEAENRT	ZIBID K10	W	N44094567W121231563					E0150	NAR	ZIBID			

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRDMK1FR05-Y	ACOPPR	010COPPRK1EA0E	IF						18000		A JS	
SUSAP	KRDMK1FR05-Y	ACOPPR	020OCTADK1EA0E	A 020TF			06490091	+	08800			A JS	
SUSAP	KRDMK1FR05-Y	ACOPPR	030ZIBIDK1EA0EE	B 010TF			33750095	+	05900			A JS	
SUSAP	KRDMK1FR05-Y	ACUPRI	010CUPRIK1EA0E	IF						18000		A JS	
SUSAP	KRDMK1FR05-Y	ACUPRI	020EHENEK1EA0E	A 020TF			19930238	+	06800			A JS	
SUSAP	KRDMK1FR05-Y	ACUPRI	030ZIBIDK1EA0EE	B 010TF			12140104	+	05900			A JS	
SUSAP	KRDMK1FR05-Y	AHORRN	010HORRNK1EA0E	IF						18000		A JS	
SUSAP	KRDMK1FR05-Y	AHORRN	020EHENEK1EA0E	A 020TF			14840123	+	08700			A JS	
SUSAP	KRDMK1FR05-Y	AHORRN	030ZIBIDK1EA0EE	B 010TF			12140104	+	05900			A JS	
SUSAP	KRDMK1FR05-Y	ASAKKO	010SAKKOK1EA0E	IF						18000		A JS	
SUSAP	KRDMK1FR05-Y	ASAKKO	020WUMUTK1EA0E	020TF			23580162	+	06800			A JS	
SUSAP	KRDMK1FR05-Y	ASAKKO	030OCTADK1EA0E	A 020TF			25150097	+	06800			A JS	
SUSAP	KRDMK1FR05-Y	ASAKKO	040ZIBIDK1EA0EE	B 010TF			33750095	+	05900			A JS	
SUSAP	KRDMK1FR05-Y	AWISSL	010WISSLK1EA0E	IF						18000		A JS	
SUSAP	KRDMK1FR05-Y	AWISSL	020EHENEK1EA0E	A 020TF			18400196	+	08700			A JS	
SUSAP	KRDMK1FR05-Y	AWISSL	030ZIBIDK1EA0EE	B 010TF			12140104	+	05900			A JS	
SUSAP	KRDMK1FR05-Y	R	010ZIBIDK1EA0E	I IF				+	05900	18000		A JS	
SUSAP	KRDMK1FR05-Y	R	020KICBYK1EA1E	F 051TF			04960052	+	05000		RW05 AK1PGA	JS	
SUSAP	KRDMK1FR05-Y	R	020KICBYK1EA2WALPV		ALNAV/VNAV	ALNAV						JS	
SUSAP	KRDMK1FR05-Y	R	021PIBMEK1EA0E	S 031TF			04630027	V	0414004143	-300		A JS	

CITY AND STATE REDMOND, OR	ELEVATION: 3080 AIRPORT NAME: ROBERTS FIELD	TDZE: 3075 RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 5, AMDT 2 20 AUGUST 2015	SUP: RNAV (GPS) Y RWY 4
				AMDT: 1
				DATED: 07/24/2014

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QUALITY
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04630032	03124	-300	A JS
0463	+ 03325		A JS
			A JS
13580153	+ 09500		A JS
27640070	+ 09500		A JS

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1	2	3	4	5	6	7	8	9	0	1	2	3
	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP_KRDMK1SRW05_K1PGA_0_18018011625_M	1	2	3	4	5	6	7	8	9	0	1	2	3

QUALITY
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CITY AND STATE REDMOND, OR	ELEVATION: 3080	TDZE: 3075	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 5, AMDT 2 20 AUGUST 2015	SUP: RNAV (GPS) Y RWY 4
	AIRPORT NAME: ROBERTS FIELD				AMDT: 1
		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 - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	COPPR	COPPR	010		IF		FB					
	COPPR	OCTAD	020	IAF	TF		FB	2.0	064.9 (078.9T)	009.1	AA 08800	
	COPPR	ZIBID	030		TF		FB	1.0	337.5 (351.5T)	009.5	AA 05900	
	CUPRI	CUPRI	010		IF		FB					
	CUPRI	EHENE	020	IAF	TF		FB	2.0	199.3 (213.3T)	023.8	AA 06800	
	CUPRI	ZIBID	030		TF		FB	1.0	121.4 (135.4T)	010.4	AA 05900	
	HORRN	HORRN	010		IF		FB					
	HORRN	EHENE	020	IAF	TF		FB	2.0	148.4 (162.4T)	012.3	AA 08700	
	HORRN	ZIBID	030		TF		FB	1.0	121.4 (135.4T)	010.4	AA 05900	
	SAKKO	SAKKO	010		IF		FB					
	SAKKO	WUMUT	020		TF		FB	2.0	235.8 (249.8T)	016.2	AA 06800	
	SAKKO	OCTAD	030	IAF	TF		FB	2.0	251.5 (265.5T)	009.7	AA 06800	
	SAKKO	ZIBID	040		TF		FB	1.0	337.5 (351.5T)	009.5	AA 05900	
	WISSL	WISSL	010		IF		FB					
	WISSL	EHENE	020	IAF	TF		FB	2.0	184.0 (198.0T)	019.6	AA 08700	
	WISSL	ZIBID	030		TF		FB	1.0	121.4 (135.4T)	010.4	AA 05900	
		ZIBID	010	FACF	IF		FB				AA 05900	
		KICBY	020	FAF	TF		FB	0.5	049.6 (063.6T)	005.2	AA 05000	
		PIBME	021	SDF	TF		FB	0.3	046.3 (060.3T)	002.7	AA 04140	GS 04143
		RW05	030	MAP	TF		FO	0.3	046.3 (060.3T)	003.2	AT 03124	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		046.3 (060.3T)		AA 03325	
		COFMO	050		DF		FB					
		SAKKO	060		TF		FO	1.0	135.8 (149.8T)	015.3	AA 09500	
		SAKKO	070		HM	R	FO		276.4 (290.4T)	007.0	AA 09500	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		COFMO	N441954.32		W1205735.88		N4419.905		W12057.598			
		COPPR	N435834.86		W1213343.63		N4358.581		W12133.727			
		CUPRI	N443703.76		W1211513.89		N4437.063		W12115.232			
		EHENE	N441710.32		W1213323.48		N4417.172		W12133.391			
		HORRN	N442851.03		W1213832.73		N4428.851		W12138.546			
		KICBY	N441203.23		W1211649.43		N4412.054		W12116.824			
		OCTAD	N440019.92		W1212118.11		N4400.332		W12121.302			
		PIBME	N441323.21		W1211334.50		N4413.387		W12113.575			
		SAKKO	N440642.42		W1204656.37		N4406.707		W12046.940			
		WISSL	N443549.39		W1212459.04		N4435.823		W12124.984			
		WUMUT	N440106.44		W1210757.44		N4401.107		W12107.957			
		ZIBID	N440945.67		W1212315.63		N4409.761		W12123.261			
CITY AND STATE		ELEVATION: 3080		TDZE: 3075		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:			SUP: RNAV (GPS) Y RWY	
REDMOND, OR						RNAV		RNAV (GPS) Y RWY 5, AMDT 2			4	
		AIRPORT NAME:		ROBERTS FIELD				20 AUGUST 2015			AMDT: 1	
											DATED: 07/24/2014	



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.
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	RW05	N441458.23	W1210942.43	N4414.971	W12109.707
RUNWAY DATA		THRESHOLD			
	RWY	ELEVATION	TCH		
	RW05	03074	50		

QUALITY

25

CHECKED

CITY AND STATE REDMOND, OR	ELEVATION: 3080 AIRPORT NAME: ROBERTS FIELD	TDZE: 3075 RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 5, AMDT 2 20 AUGUST 2015	SUP: RNAV (GPS) Y RWY 4
				AMDT: 1
				DATED: 07/24/2014

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES											MISSED APPROACH					
FROM		TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW23 CLIMB TO 8500 DIRECT WELPU AND ON TRACK 138.16 TO URBIA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8500. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 306.00 INBOUND. CHART FAS OBST: 3189 TREE 441552N/1210639W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.08 MILES TO RW23* *LNAV ONLY. WAAS CHANNEL # 82514 REFERENCE PATH ID: W23A CHART CIRCLING ICON. LTP HAE: 909.7 M					
CUPRI		ARNOY (FB)			101.32 / 16.28				7500							
FESOD		NIFLI (FB)			035.07 / 36.77				7800							
HORRN		ARNOY (FB)			073.52 / 31.43				8000							
SAKKO		NIFLI (FB)			356.97 / 10.89				7000							
URBIA		NIFLI (FB)			036.16 / 25.77				7500							
ARNOY (IAF)		YUBUB (FB)			138.55 / 7.82				6600							
NIFLI (IAF)		YUBUB (FB)			311.07 / 7.00				6600		MAG VAR: 14E EPOCH YEAR: 2020					
(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 YUBUB																
3. FAC: <u>226.46</u> FAF: VERNN DIST FAF TO MAP: <u>6.28</u> THLD: <u>6.28</u>																
4. MIN. ALT: YUBUB 6600, HUTKI 5800, VERNN 5100, ARUBE/2.20 NM TO RW23 3800*																
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>5100</u> GS ALT AT: VERNN 5100 OM: <u> </u> MM: <u> </u> IM: <u> </u>																
7. GS ANGLE: <u>3.00</u> TCH: <u>47.1</u> 34:1 IS CLEAR																
8. MSA FROM: RW23 11700																
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	3265	1/2	200	3265	1/2	200	3265	1/2	200	3265	1/2	200				
LNAV/VNAV DA	3381	5/8	316	3381	5/8	316	3381	5/8	316	3381	5/8	316				
LNAV MDA	3440	1/2	375	3440	1/2	375	3440	3/4	375	3440	3/4	375				
CIRCLING	3540	1	460	3560	1	480	3640	1 1/2	560	3760	2 1/4	680				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 53C (128F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FESOD ON V25 SOUTHBOUND. (SEE FORM 8260-10)																
CITY AND STATE REDMOND, OR		ELEVATION: 3080 TDZE: 3065 AIRPORT NAME: ROBERTS FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 23, AMDT 1 20 AUGUST 2015						SUP: RNAV (GPS) Y RWY 22				
												AMDT: ORIG-B				
												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		
YUBUB (IF)	HUTKI (FB)	226.59 / 4.73	5800		
HUTKI	VERNN (FB)	226.52 / 4.39	5100		
VERNN (FAF)	ARUBE/2.20 NM TO RW23 (FB)	226.46 / 4.08			
ARUBE/2.20 NM TO RW23	RW23 (MAP) (FO)	226.46 / 2.20			
RW23 (MAP)	3265 MSL	226.46			
3265 MSL	WELPU (FB)				
WELPU	URBIA (FO)	138.16 / 11.52	8500		
NOTES, (CONT.): CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HORRN ON V165 NORTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT URBIA ON V165 SOUTHBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAKKO ON V269 EASTBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CUPRI ON V25 NORTHBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ARNOY ON V536 NORTHEAST BOUND. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BEND ALTIMETER SETTING AND INCREASE ALL DA 76 FT AND ALL MDA 80 FT, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 MILE, LNAV CAT C/D VISIBILITY TO 7/8 MILE, AND CIRCLING CAT C VISIBILITY TO 1 3/4 MILE AND CAT D VISIBILITY TO 2 1/2 MILES. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT C/D VISIBILITY TO 1 MILE. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING BEND ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 7/8 MILE CHART NOTE: BARO-VNAV AND VDP NA WHEN USING BEND ALTIMETER SETTING. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI {ANGLE} / TCH {FEET}).					
CITY AND STATE REDMOND, OR	ELEVATION: 3080 AIRPORT NAME: ROBERTS FIELD	TDZE: 3065	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 23, AMDT 1 20 AUGUST 2015	SUP: RNAV (GPS) Y RWY 22 AMDT: ORIG-B DATED: 07/24/2014



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

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

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRDM
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	441532.5925N
LTP/FTP LONGITUDE	1210818.3940W
LTP/FTP ELLIPSOIDAL HEIGHT	+09097
FPAP LATITUDE	441448.5275N
FPAP LONGITUDE	1211006.1420W
THRESHOLD CROSSING HEIGHT (TCH)	00047.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0608
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER**E89F8354****ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+09307
FPAP ORTHOMETRIC HEIGHT	+09307

QUALITY
16
CHECKED

CITY AND STATE

REDMOND, OR

ELEVATION: 3080

TDZE: 3065

AIRPORT NAME:

ROBERTS FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 23, AMDT 1

20 AUGUST 2015

SUP: RNAV (GPS) Y RWY
22

AMDT: ORIG-B

DATED: 07/24/2014

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

WP	1		2		3		4		5		6		7		8		9		0		1		2		3		
	123456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	3456789012	
SUSAEAENRT	ARNOY	K10	C	L	N44300410W120544022									E0150	NAR				ARNOY								
SUSAEAENRT	ARUBE	K10	W		N44163771W121053895									E0150	WGE				ARUBE								
SUSAEAENRT	CUPRI	K10	C	L	N44370376W121151389									E0151	NAR				CUPRI								
SUSAEAENRT	FESOD	K10	C	L	N43532450W121224405									E0150	NAR				FESOD								
SUSAEAENRT	HORRN	K10	C	L	N44285103W121383273									E0152	NAR				HORRN								
SUSAEAENRT	HUTKI	K10	C		N44204840W120552287									E0150	NAR				HUTKI								
SUSAEAENRT	NIFLI	K10	W		N44172359W120440332									E0150	NAR				NIFLI								
SUSAEAENRT	SAKKO	K10	C	L	N44064242W120465637									E0149	NAR				SAKKO								
SUSAEAENRT	URBIA	K10	C	L	N44005651W121113609									E0150	NAR				URBIA								
SUSAEAENRT	VERNN	K10	C		N44183856W121004241									E0150	NAR				VERNN								
SUSAEAENRT	WELPU	K10	W		N44110807W121190348									E0150	NAR				WELPU								
SUSAEAENRT	YUBUB	K10	C		N44230777W120493871									E0150	NAR				YUBUB								

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QUALITY
16
CHECKED

FAA FORM 8260 - 10 / April 2006 (Computer Generated)	Page	4	of	7	Pages
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION <u>RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE</u> FLIGHT STANDARDS SERVICES - FAR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.
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SUSAP	KRDMK1FR23-Y R	030RW23	K1PG0GY M	031TF	22650022	03101	-300	A JS
SUSAP	KRDMK1FR23-Y R	040	0 M	CA	2265	+ 03265		A JS
SUSAP	KRDMK1FR23-Y R	050WELPUK1EA0E		DF				A JS
SUSAP	KRDMK1FR23-Y R	060URBIAK1EA0EY		010TF	13820115	+ 08500		A JS
SUSAP	KRDMK1FR23-Y R	070URBIAK1EA0EE	R	HM	30600070	+ 08500		A JS

[illegible][illegible][illegible]

QUALITY
16
CHECKED

CITY AND STATE REDMOND, OR	ELEVATION: 3080 AIRPORT NAME: TDZE: 3065 ROBERTS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 23, AMDT 1 20 AUGUST 2015	SUP: RNAV (GPS) Y RWY 22
				AMDT: ORIG-B
				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 - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CUPRI	CUPRI	010		IF		FB					
	CUPRI	ARNOY	020	IAF	TF		FB	2.0	101.3 (115.3T)	016.3	AA 07500	
	CUPRI	YUBUB	030		TF		FB	1.0	138.6 (152.6T)	007.8	AA 06600	
	FESOD	FESOD	010		IF		FB					
	FESOD	NIFLI	020	IAF	TF		FB	2.0	035.1 (049.1T)	036.8	AA 07800	
	FESOD	YUBUB	030		TF		FB	1.0	311.1 (325.1T)	007.0	AA 06600	
	HORRN	HORRN	010		IF		FB					
	HORRN	ARNOY	020	IAF	TF		FB	2.0	073.5 (087.5T)	031.4	AA 08000	
	HORRN	YUBUB	030		TF		FB	1.0	138.6 (152.6T)	007.8	AA 06600	
	SAKKO	SAKKO	010		IF		FB					
	SAKKO	NIFLI	020	IAF	TF		FB	2.0	357.0 (011.0T)	010.9	AA 07000	
	SAKKO	YUBUB	030		TF		FB	1.0	311.1 (325.1T)	007.0	AA 06600	
	URBIA	URBIA	010		IF		FB					
	URBIA	NIFLI	020	IAF	TF		FB	2.0	036.2 (050.2T)	025.8	AA 07500	
	URBIA	YUBUB	030		TF		FB	1.0	311.1 (325.1T)	007.0	AA 06600	
		YUBUB	010	FACF	IF		FB				AA 06600	
		HUTKI	011		TF		FB	0.5	226.6 (240.6T)	004.7	AA 05800	
		VERNN	020	FAF	TF		FB	0.5	226.5 (240.5T)	004.4	AA 05100	
		ARUBE	021	SDF	TF		FB	0.3	226.5 (240.5T)	004.1	AA 03800	GS 03800
		RW23	030	MAP	TF		FO	0.3	226.5 (240.5T)	002.2	AT 03101	
MISSED APPROACH												
			040		CA		FB		226.5 (240.5T)		AA 03265	
		WELPU	050		DF		FB					
		URBIA	060		TF		FO	1.0	138.2 (152.2T)	011.5	AA 08500	
		URBIA	070		HM	R	FO		306.0 (320.0T)	007.0	AA 08500	
POINT DATA												
	WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS				
	ARNOY	N443004.10		W1205440.22		N4430.068		W12054.670				
	ARUBE	N441637.71		W1210538.95		N4416.629		W12105.649				
	CUPRI	N443703.76		W1211513.89		N4437.063		W12115.232				
	FESOD	N435324.50		W1212244.05		N4353.408		W12122.734				
	HORRN	N442851.03		W1213832.73		N4428.851		W12138.546				
	HUTKI	N442048.40		W1205522.87		N4420.807		W12055.381				
	NIFLI	N441723.59		W1204403.32		N4417.393		W12044.055				
	SAKKO	N440642.42		W1204656.37		N4406.707		W12046.940				
	URBIA	N440056.51		W1211136.09		N4400.942		W12111.602				
	VERNN	N441838.56		W1210042.41		N4418.643		W12100.707				
	WELPU	N441108.07		W1211903.48		N4411.135		W12119.058				
	YUBUB	N442307.77		W1204938.71		N4423.130		W12049.645				
CITY AND STATE REDMOND, OR		ELEVATION: 3080		TDZE: 3065		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 23, AMDT 1 20 AUGUST 2015			SUP: RNAV (GPS) Y RWY 22	
		AIRPORT NAME: ROBERTS FIELD									AMDT: ORIG-B	
											DATED: 07/24/2014	



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																					
RUNWAY DATA <table> <tr> <td>RW23</td> <td>N441532.59</td> <td>W1210818.39</td> <td>N4415.543</td> <td>W12108.307</td> </tr> <tr> <td></td> <td>THRESHOLD</td> <td></td> <td></td> <td></td> </tr> <tr> <td>RWY</td> <td>ELEVATION</td> <td>TCH</td> <td></td> <td></td> </tr> <tr> <td>RW23</td> <td>03054</td> <td>47</td> <td></td> <td></td> </tr> </table>						RW23	N441532.59	W1210818.39	N4415.543	W12108.307		THRESHOLD				RWY	ELEVATION	TCH			RW23	03054	47		
RW23	N441532.59	W1210818.39	N4415.543	W12108.307																					
	THRESHOLD																								
RWY	ELEVATION	TCH																							
RW23	03054	47																							
CITY AND STATE REDMOND, OR		ELEVATION: 3080 AIRPORT NAME: ROBERTS FIELD		TDZE: 3065 FACILITY IDENTIFIER: RNAV																					
				PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 23, AMDT 1 20 AUGUST 2015																					
				SUP: RNAV (GPS) Y RWY 22 AMDT: ORIG-B 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 (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO	COURSE AND DISTANCE	ALTITUDE	
OCTAD (IAF)		YUNNU (TF) (FB) (RNP 1.00)	005.97 / 6.64	5900	
YUNNU		NISVE (TF) (FB) (RNP 1.00)	006.01 / 2.15	5800	
SAKKO (IAF)		ZUVGO (TF) (FB) (RNP 1.00)	273.10 / 9.24	7600	
ZUVGO		POWEL (TF) (FB) (RNP 1.00)	272.96 / 4.50	7500	
VUCUV (IF)		CESUK (TF) (FB) (RNP 1.00)	220.79 / 2.00	6900	
CESUK		WONEK (RF) (FB) (RNP 1.00)	(2.80 NM RADIUS CCW (CFBFB))/3.60	6000	
JURDY (IF)		WONEK (TF) (FB) (RNP 1.00)	147.08 / 7.64	6000	
WONEK		JUGVU (RF) (FB) (RNP 0.70)	(2.80 NM RADIUS CCW (CFBFB))/2.54	5200	
SIKZY (IF)		JUGVU (TF) (FB) (RNP 0.90)	095.09 / 2.67	5200	
NISVE (IF)		DOYEP (TF) (FB) (RNP 1.00)	002.79 / 3.15	4900	
POWEL (IF)		HUXOT (TF) (FB) (RNP 1.00)	226.66 / 4.43	6200	
HUXOT		DOYEP (RF) (FB) (RNP 1.00)	(2.64 NM RADIUS CW (CFBVT))/6.28	4900	
JUGVU		WEGBO (RF) (FB) (RNP 0.70)	(3.35 NM RADIUS CCW (CFBFC))/2.86	4300	
DOYEP		WEGBO (RF) (FB) (RNP 1.00)	(2.64 NM RADIUS CW (CFBVT))/2.00	4300	
WEGBO (FAF)		RW05 (MAP) (TF) (FO)	046.31 / 3.69		
RW05 (MAP)		RARBE (TF) (FB) (RNP1.00)	046.36 / 6.73		
RARBE		HITGU (RF) (FB) (RNP1.00)	(7.51 NM RADIUS CW (CFBDX))/ 16.78		
HITGU		SAKKO (TF) (FO) (RNP1.00)	174.74 / 3.97	9500	
CITY AND STATE REDMOND, OR		ELEVATION: 3080 AIRPORT NAME: ROBERTS FIELD	TDZE: 3075	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 5, AMDT 2 20 AUGUST 2015
		SUP: RNAV (RNP) Z RWY 4			
		AMDT: 1			
		DATED: 07/24/2014			

QUALITY
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CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
NOTES, (CONT.): CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAKKO ON V269 EASTBOUND. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -20C (-4F) OR ABOVE 53C (127F). CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS. CHART NOTE: RF AND GPS REQUIRED. CHART PLANVIEW NOTE AT WISSL, EENIE, ARNOY: (RNP 0.70). CHART SPEED ICON IN PLANVIEW AT CESUK, NISVE, JURDY, HUXOT, SIKZY: MAX 180 KIAS.				
QUALITY 25 CHECKED				
CITY AND STATE REDMOND, OR	ELEVATION: 3080 AIRPORT NAME: ROBERTS FIELD	TDZE: 3075	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 5, AMDT 2 20 AUGUST 2015
				SUP: RNAV (RNP) Z RWY 4
				AMDT: 1
				DATED: 07/24/2014

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WP	1	2	3	4	5	6	7	8	9	0	1	2	3
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													
SUSAEAENRT	ARNOY K10	C	L	N44300410W120544022				E0150	NAR		ARNOY		
SUSAEAENRT	EENIE K10	C	L	N44175212W121384488				E0151	NAR		EENIE		
SUSAEAENRT	FESOD K10	C	L	N43532450W121224405				E0150	NAR		FESOD		
SUSAEAENRT	OCTAD K10	C	L	N44001992W121211811				E0150	NAR		OCTAD		
SUSAEAENRT	POWEL K10	C	H	N44104337W121051128				E0150	NAR		POWEL		
SUSAEAENRT	SAKKO K10	C	L	N44064242W120465637				E0149	NAR		SAKKO		
SUSAEAENRT	WISSL K10	W	L	N44354939W121245904				E0152	NAR		WISSL		

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QUALITY
12
CHECKED

CITY AND STATE REDMOND, OR	ELEVATION: 3080	TDZE: 3075	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 5, AMDT 2 20 AUGUST 2015	SUP: RNAV (RNP) Z RWY 4
	AIRPORT NAME: ROBERTS FIELD				AMDT: 1
					DATED: 07/24/2014

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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

SUSAP	KRDMK1FH05-Z	AARNOY	030CESUUK1PC0E	010TF				+ 06900	180	A-FS
SUSAP	KRDMK1FH05-Z	AARNOY	040WONEKK1PC0E	L010RF	0028002208	14710036		+ 06000		CFBFB K1PCA FS
SUSAP	KRDMK1FH05-Z	AARNOY	050JUGVUK1PC0E	L071RF	0028001471	09510025		+ 05200		CFBFB K1PCA FS
SUSAP	KRDMK1FH05-Z	AARNOY	060WEGBOK1PC0EE	L071RF	0033500951	04630029		+ 04300		CFBFC K1PCA FS
SUSAP	KRDMK1FH05-Z	AEENIE	010EENIEK1EA0E	A IF					18000	A FS
SUSAP	KRDMK1FH05-Z	AEENIE	020LOYCEK1PC0E	010TF				+ 06500		A FS
SUSAP	KRDMK1FH05-Z	AEENIE	030SIKZYK1PC0E	B 010TF				+ 05800	180	A-FS
SUSAP	KRDMK1FH05-Z	AEENIE	040JUGVUK1PC0E	091TF				+ 05200		A FS
SUSAP	KRDMK1FH05-Z	AEENIE	050WEGBOK1PC0EE	L071RF	0033500951	04630029		+ 04300		CFBFC K1PCA FS
SUSAP	KRDMK1FH05-Z	AFESOD	010FESODK1EA0E	IF					18000	A FS
SUSAP	KRDMK1FH05-Z	AFESOD	020OCTADK1EA0E	A 020TF				+ 09000		A FS
SUSAP	KRDMK1FH05-Z	AFESOD	030YUNNUK1PC0E	010TF				+ 05900		A FS
SUSAP	KRDMK1FH05-Z	AFESOD	040NISVEK1PC0E	B 010TF				+ 05800	180	A-FS
SUSAP	KRDMK1FH05-Z	AFESOD	050DOYEPK1PC0E	010TF				+ 04900		A FS
SUSAP	KRDMK1FH05-Z	AFESOD	060WEGBOK1PC0EE	R010RF	0026400028	04630020		+ 04300		CFBVT K1PCA FS
SUSAP	KRDMK1FH05-Z	ASAKKO	010SAKKOK1EA0E	A IF					18000	A FS
SUSAP	KRDMK1FH05-Z	ASAKKO	020ZUVGOK1PC0E	010TF				+ 07600		A FS
SUSAP	KRDMK1FH05-Z	ASAKKO	030POWELK1EA0E	B 010TF				+ 07500		A FS
SUSAP	KRDMK1FH05-Z	ASAKKO	040HUXOTK1PC0E	010TF				+ 06200	180	A-FS
SUSAP	KRDMK1FH05-Z	ASAKKO	050DOYEPK1PC0E	R010RF	0026402267	00280063		+ 04900		CFBVT K1PCA FS
SUSAP	KRDMK1FH05-Z	ASAKKO	060WEGBOK1PC0EE	R010RF	0026400028	04630020		+ 04300		CFBVT K1PCA FS
SUSAP	KRDMK1FH05-Z	AWISSL	010WISSLK1EA0E	A IF					18000	A FS
SUSAP	KRDMK1FH05-Z	AWISSL	020JURDYK1PC0E	B 010TF				+ 07000	180	A-FS
SUSAP	KRDMK1FH05-Z	AWISSL	030WONEKK1PC0E	010TF				+ 06000		A FS
SUSAP	KRDMK1FH05-Z	AWISSL	040JUGVUK1PC0E	L071RF	0028001471	09510025		+ 05200		CFBFB K1PCA FS
SUSAP	KRDMK1FH05-Z	AWISSL	050WEGBOK1PC0EE	L071RF	0033500951	04630029		+ 04300		CFBFC K1PCA FS
SUSAP	KRDMK1FH05-Z	H	020WEGBOK1PC1E	F IF				+ 04300	18000	RW05 BK1PGA FS
SUSAP	KRDMK1FH05-Z	H	020WEGBOK1PC2W						A031A011	FS
SUSAP	KRDMK1FH05-Z	H	030RW05 K1PGOGY	M 031TF					03124	-300 A FS
SUSAP	KRDMK1FH05-Z	H	040RARBEK1PC0E	M 010TF						A FS
SUSAP	KRDMK1FH05-Z	H	050HITGUK1PC0E	R010RF	0075100464	17470168				CFBDX K1PCA FS
SUSAP	KRDMK1FH05-Z	H	060SAKKOK1EA0EY	010TF				+ 09500		A FS
SUSAP	KRDMK1FH05-Z	H	070SAKKOK1EA0EE	R HM				+ 09500		A FS

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QUALITY
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CHECKED

CITY AND STATE REDMOND, OR	ELEVATION: 3080	TDZE: 3075	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 5, AMDT 2 20 AUGUST 2015	SUP: RNAV (RNP) Z RWY 4
	AIRPORT NAME: ROBERTS FIELD	FACILITY IDENTIFIER: RNAV		AMDT: 1
				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 (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (RNP)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ARNOY	ARNOY	010	IAF	IF		FB					
	ARNOY	VUCUV	020		TF		FB	1.0			AA 07400	
	ARNOY	CESUK	030		TF		FB	1.0			AA 06900	AB 180
	ARNOY	WONEK	040		RF	L	FB	1.0		003.6	AA 06000	
	ARNOY	JUGVU	050		RF	L	FB	0.7		002.5	AA 05200	
	ARNOY	WEGBO	060		RF	L	FB	0.7		002.9	AA 04300	
	EENIE	EENIE	010	IAF	IF		FB					
	EENIE	LOYCE	020		TF		FB	1.0			AA 06500	
	EENIE	SIKZY	030		TF		FB	1.0			AA 05800	AB 180
	EENIE	JUGVU	040		TF		FB	0.9			AA 05200	
	EENIE	WEGBO	050		RF	L	FB	0.7		002.9	AA 04300	
	FESOD	FESOD	010		IF		FB					
	FESOD	OCTAD	020	IAF	TF		FB	2.0			AA 09000	
	FESOD	YUNNU	030		TF		FB	1.0			AA 05900	
	FESOD	NISVE	040		TF		FB	1.0			AA 05800	AB 180
	FESOD	DOYEP	050		TF		FB	1.0			AA 04900	
	FESOD	WEGBO	060		RF	R	FB	1.0		002.0	AA 04300	
	SAKKO	SAKKO	010	IAF	IF		FB					
	SAKKO	ZUVGO	020		TF		FB	1.0			AA 07600	
	SAKKO	POWEL	030		TF		FB	1.0			AA 07500	
	SAKKO	HUXOT	040		TF		FB	1.0			AA 06200	AB 180
	SAKKO	DOYEP	050		RF	R	FB	1.0		006.3	AA 04900	
	SAKKO	WEGBO	060		RF	R	FB	1.0		002.0	AA 04300	
	WISSL	WISSL	010	IAF	IF		FB					
	WISSL	JURDY	020		TF		FB	1.0			AA 07000	AB 180
	WISSL	WONEK	030		TF		FB	1.0			AA 06000	
	WISSL	JUGVU	040		RF	L	FB	0.7		002.5	AA 05200	
	WISSL	WEGBO	050		RF	L	FB	0.7		002.9	AA 04300	
		WEGBO	020	FAF	IF		FB				AA 04300	
		RW05	030	MAP	TF		FO	0.3			AT 03124	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		RARBE	040		TF		FB	1.0				
		HITGU	050		RF	R	FB	1.0		016.8		
		SAKKO	060		TF		FO	1.0			AA 09500	
		SAKKO	070		HM	R	FO		276.4 (290.4T)	007.0	AA 09500	
POINT DATA	WAYPOINT			LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
	ARNOY			N443004.10		W1205440.22		N4430.068		W12054.670		
	EENIE			N441752.12		W1213844.88		N4417.869		W12138.748		

QUALITY
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CHECKED

CITY AND STATE REDMOND, OR	ELEVATION: 3080	TDZE: 3075	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (RNP) Z RWY 4
	AIRPORT NAME: ROBERTS FIELD		RNAV	RNAV (RNP) Z RWY 5, AMDT 2 20 AUGUST 2015	AMDT: 1
					DATED: 07/24/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																																							
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%;">FESOD</td> <td style="width: 20%;">N435324.50</td> <td style="width: 20%;">W1212244.05</td> <td style="width: 20%;">N4353.408</td> <td style="width: 20%;">W12122.734</td> </tr> <tr> <td></td> <td>OCTAD</td> <td>N440019.92</td> <td>W1212118.11</td> <td>N4400.332</td> <td>W12121.302</td> </tr> <tr> <td></td> <td>POWEL</td> <td>N441043.37</td> <td>W1210511.28</td> <td>N4410.723</td> <td>W12105.188</td> </tr> <tr> <td></td> <td>SAKKO</td> <td>N440642.42</td> <td>W1204656.37</td> <td>N4406.707</td> <td>W12046.940</td> </tr> <tr> <td></td> <td>WISSL</td> <td>N443549.39</td> <td>W1212459.04</td> <td>N4435.823</td> <td>W12124.984</td> </tr> <tr> <td></td> <td>CESUK</td> <td>N441749.20</td> <td>W1211858.64</td> <td>N4417.820</td> <td>W12118.977</td> </tr> <tr> <td></td> <td>CFBDX</td> <td>N441145.67</td> <td>W1205624.97</td> <td>N4411.761</td> <td>W12056.416</td> </tr> <tr> <td></td> <td>CFBFB</td> <td>N441531.97</td> <td>W1211643.79</td> <td>N4415.533</td> <td>W12116.730</td> </tr> <tr> <td></td> <td>CFBFC</td> <td>N441603.16</td> <td>W1211628.74</td> <td>N4416.053</td> <td>W12116.479</td> </tr> <tr> <td></td> <td>CFBVT</td> <td>N441050.95</td> <td>W1211221.16</td> <td>N4410.849</td> <td>W12112.353</td> </tr> <tr> <td></td> <td>DOYEP</td> <td>N441136.81</td> <td>W1211551.88</td> <td>N4411.614</td> <td>W12115.865</td> </tr> <tr> <td></td> <td>HITGU</td> <td>N441037.70</td> <td>W1204606.17</td> <td>N4410.628</td> <td>W12046.103</td> </tr> <tr> <td></td> <td>HUXOT</td> <td>N440832.97</td> <td>W1211033.07</td> <td>N4408.550</td> <td>W12110.551</td> </tr> <tr> <td></td> <td>JUGVU</td> <td>N441253.28</td> <td>W1211800.42</td> <td>N4412.888</td> <td>W12118.007</td> </tr> <tr> <td></td> <td>JURDY</td> <td>N442151.33</td> <td>W1212351.71</td> <td>N4421.856</td> <td>W12123.862</td> </tr> <tr> <td></td> <td>LOYCE</td> <td>N441520.41</td> <td>W1212806.61</td> <td>N4415.340</td> <td>W12128.110</td> </tr> <tr> <td></td> <td>NISVE</td> <td>N440835.87</td> <td>W1211707.77</td> <td>N4408.598</td> <td>W12117.130</td> </tr> <tr> <td></td> <td>RARBE</td> <td>N441817.64</td> <td>W1210133.69</td> <td>N4418.294</td> <td>W12101.562</td> </tr> <tr> <td></td> <td>SIKZY</td> <td>N441345.73</td> <td>W1212130.92</td> <td>N4413.762</td> <td>W12121.515</td> </tr> <tr> <td></td> <td>VUCUV</td> <td>N441858.41</td> <td>W1211642.14</td> <td>N4418.974</td> <td>W12116.702</td> </tr> <tr> <td></td> <td>WEGBO</td> <td>N441308.58</td> <td>W1211410.19</td> <td>N4413.143</td> <td>W12114.170</td> </tr> <tr> <td></td> <td>WONEK</td> <td>N441437.66</td> <td>W1212024.94</td> <td>N4414.628</td> <td>W12120.416</td> </tr> <tr> <td></td> <td>YUNNU</td> <td>N440634.56</td> <td>W1211809.12</td> <td>N4406.576</td> <td>W12118.152</td> </tr> <tr> <td></td> <td>ZUVGO</td> <td>N440924.78</td> <td>W1205912.40</td> <td>N4409.413</td> <td>W12059.207</td> </tr> <tr> <td></td> <td>RW05</td> <td>N441458.23</td> <td>W1210942.43</td> <td>N4414.971</td> <td>W12109.707</td> </tr> </table>							FESOD	N435324.50	W1212244.05	N4353.408	W12122.734		OCTAD	N440019.92	W1212118.11	N4400.332	W12121.302		POWEL	N441043.37	W1210511.28	N4410.723	W12105.188		SAKKO	N440642.42	W1204656.37	N4406.707	W12046.940		WISSL	N443549.39	W1212459.04	N4435.823	W12124.984		CESUK	N441749.20	W1211858.64	N4417.820	W12118.977		CFBDX	N441145.67	W1205624.97	N4411.761	W12056.416		CFBFB	N441531.97	W1211643.79	N4415.533	W12116.730		CFBFC	N441603.16	W1211628.74	N4416.053	W12116.479		CFBVT	N441050.95	W1211221.16	N4410.849	W12112.353		DOYEP	N441136.81	W1211551.88	N4411.614	W12115.865		HITGU	N441037.70	W1204606.17	N4410.628	W12046.103		HUXOT	N440832.97	W1211033.07	N4408.550	W12110.551		JUGVU	N441253.28	W1211800.42	N4412.888	W12118.007		JURDY	N442151.33	W1212351.71	N4421.856	W12123.862		LOYCE	N441520.41	W1212806.61	N4415.340	W12128.110		NISVE	N440835.87	W1211707.77	N4408.598	W12117.130		RARBE	N441817.64	W1210133.69	N4418.294	W12101.562		SIKZY	N441345.73	W1212130.92	N4413.762	W12121.515		VUCUV	N441858.41	W1211642.14	N4418.974	W12116.702		WEGBO	N441308.58	W1211410.19	N4413.143	W12114.170		WONEK	N441437.66	W1212024.94	N4414.628	W12120.416		YUNNU	N440634.56	W1211809.12	N4406.576	W12118.152		ZUVGO	N440924.78	W1205912.40	N4409.413	W12059.207		RW05	N441458.23	W1210942.43	N4414.971	W12109.707
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	SAKKO	N440642.42	W1204656.37	N4406.707	W12046.940																																																																																																																																																						
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	CFBDX	N441145.67	W1205624.97	N4411.761	W12056.416																																																																																																																																																						
	CFBFB	N441531.97	W1211643.79	N4415.533	W12116.730																																																																																																																																																						
	CFBFC	N441603.16	W1211628.74	N4416.053	W12116.479																																																																																																																																																						
	CFBVT	N441050.95	W1211221.16	N4410.849	W12112.353																																																																																																																																																						
	DOYEP	N441136.81	W1211551.88	N4411.614	W12115.865																																																																																																																																																						
	HITGU	N441037.70	W1204606.17	N4410.628	W12046.103																																																																																																																																																						
	HUXOT	N440832.97	W1211033.07	N4408.550	W12110.551																																																																																																																																																						
	JUGVU	N441253.28	W1211800.42	N4412.888	W12118.007																																																																																																																																																						
	JURDY	N442151.33	W1212351.71	N4421.856	W12123.862																																																																																																																																																						
	LOYCE	N441520.41	W1212806.61	N4415.340	W12128.110																																																																																																																																																						
	NISVE	N440835.87	W1211707.77	N4408.598	W12117.130																																																																																																																																																						
	RARBE	N441817.64	W1210133.69	N4418.294	W12101.562																																																																																																																																																						
	SIKZY	N441345.73	W1212130.92	N4413.762	W12121.515																																																																																																																																																						
	VUCUV	N441858.41	W1211642.14	N4418.974	W12116.702																																																																																																																																																						
	WEGBO	N441308.58	W1211410.19	N4413.143	W12114.170																																																																																																																																																						
	WONEK	N441437.66	W1212024.94	N4414.628	W12120.416																																																																																																																																																						
	YUNNU	N440634.56	W1211809.12	N4406.576	W12118.152																																																																																																																																																						
	ZUVGO	N440924.78	W1205912.40	N4409.413	W12059.207																																																																																																																																																						
	RW05	N441458.23	W1210942.43	N4414.971	W12109.707																																																																																																																																																						
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; vertical-align: top;">RUNWAY DATA</td> <td style="width: 20%; text-align: center;">RWY</td> <td style="width: 20%; text-align: center;">THRESHOLD ELEVATION</td> <td style="width: 20%; text-align: center;">TCH</td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td></td> <td style="text-align: center;">RW05</td> <td style="text-align: center;">03074</td> <td style="text-align: center;">50</td> <td></td> <td></td> </tr> </table>						RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH				RW05	03074	50																																																																																																																																												
RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH																																																																																																																																																								
	RW05	03074	50																																																																																																																																																								



CITY AND STATE REDMOND, OR	ELEVATION: 3080	TDZE: 3075	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (RNP) Z RWY
	AIRPORT NAME: ROBERTS FIELD		RNAV	RNAV (RNP) Z RWY 5, AMDT 2 20 AUGUST 2015	4
					AMDT: 1
					DATED: 07/24/2014

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES											MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA CLIMB TO 8500 ON TRACK 226.42 TO TIKNE LEFT TURN TO PUKAJ AND ON TRACK 090.29 TO URBIA AND HOLD, CONTINUE CLIMB-IN -HOLD TO 8500. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 306.00 INBOUND. DISTANCE TO THLD FROM 250 HAT: 0.68 NM. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE: A, H #TCH 3100.6 MSL (DO NOT CHART) ROUTE TYPE QUALIFIER 2: S						
ARNOY (IAF)		WURUK (TF) (FB) (RNP 0.70)		170.59 / 5.36				7900								
SAKKO (IAF)		IGISE (TF) (FB) (RNP 1.00)		319.69 / 6.45				6600								
URBIA (IAF)		FOVOK (TF) (FB) (RNP 1.00)		343.78 / 3.52				7000								
DSD VORTAC (IAF)		CANAM (TF) (FB) (RNP 1.00)		036.20 / 6.60				6700								
WISSL (IAF)		JUSLU (TF) (FB) (RNP 1.00)		124.40 / 16.06				6600								
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT ZETBU 3. FAC: 226.42 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: ZETBU 4300 5. DIST TO THLD FROM OM: 3.77 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4300 GS ALT AT: ZETBU 4300 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 47.1# 34:1 IS CLEAR 8. MSA FROM: RW23 11700																
											MAG VAR: 14E			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	
AUTHORIZATION REQUIRED																
RNP 0.10 DA	3315	1/2	250	3315	1/2	250	3315	1/2	250	3315	1/2	250				
RNP 0.30 DA	3552	1 1/4	487	3552	1 1/4	487	3552	1 1/4	487	3552	1 1/4	487				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -20C (-4F) OR ABOVE 53C (129F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.10 ALL CATS VISIBILITY TO 7/8 MILE. (SEE FORM 8260-10)																
CITY AND STATE			ELEVATION: 3080 TDZE: 3065			FACILITY IDENTIFIER:			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (RNP) Z RWY			
REDMOND, OR			AIRPORT NAME:			RNAV			RNAV (RNP) Z RWY 23, AMDT 2				22			
			ROBERTS FIELD						20 AUGUST 2015				AMDT: 1			
													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 (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO	COURSE AND DISTANCE	ALTITUDE	
CUPRI (IAF)	JUSLU (TF) (FB) (RNP 1.00)	150.54 / 13.76	6600		
IGISE	CUXEP (RF) (FB) (RNP 1.00)	(5 NM RADIUS CCW (CFBWF))/2.89	6300		
FOVOK	POWEL (RF) (FB) (RNP 1.00)	(6.2 NM RADIUS CW (CFBWD))/8.52	6600		
WURUK	CAGOG (TF) (FB) (RNP 0.70)	170.58 / 4.07	6200		
CANAM (IF)	URHAZ (TF) (FB) (RNP 1.00)	031.58 / 3.07	6300		
CAGOG (IF)	RETDO (TF) (FB) (RNP 0.70)	226.52 / 4.41	5000		
POWEL (IF)	JAPUV (TF) (FB) (RNP 1.00)	062.61 / 3.19	6300		
JUSLU (IF)	JIDUT (TF) (FB) (RNP 1.00)	097.83 / 4.58	6100		
CUXEP (IF)	FIXEV (TF) (FB) (RNP 1.00)	286.49 / 3.34	5800		
JAPUV	HOGEP (RF) (FB) (RNP 1.00)	(2.88 NM RADIUS CCW (CFBWC))/3.84	6300		
URHAZ	JIDUT (RF) (FB) (RNP 1.00)	(2.61 NM RADIUS CW (CFBVW))/3.02	6100		
JIDUT	YIGUS (RF) (FB) (RNP 1.00)	(2.61 NM RADIUS CW (CFBVW))/3.30	5100		
HOGEP	WUSIV (RF) (FB) (RNP 1.00)	(3.61 NM RADIUS CCW (CFBVZ))/3.78	5100		
FIXEV	WUSIV (TF) (FB) (RNP 1.00)	286.46 / 2.21	5100		
RETDO	ZETBU (TF) (FB) (RNP 0.70)	226.46 / 2.21	4300		
YIGUS	ZETBU (RF) (FB) (RNP 1.00)	(2.61 NM RADIUS CW (CFBVV))/2.55	4300		
WUSIV	ZETBU (RF) (FB) (RNP 1.00)	(2.5 NM RADIUS CCW (CFBVX))/2.62	4300		
CITY AND STATE		ELEVATION: 3080	TDZE: 3065	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
REDMOND, OR		AIRPORT NAME:		RNAV	RNAV (RNP) Z RWY 23, AMDT 2
		ROBERTS FIELD			20 AUGUST 2015
					SUP: RNAV (RNP) Z RWY 22
					AMDT: 1
					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 (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33					
ZETBU (FAF)		RW23 (MAP) (TF) (FO)		226.42 / 3.77	
RW23 (MAP)		TIKNE (TF) (FB) (RNP 1.00)		226.42 / 6.72	
TIKNE (TF)		PUKAJ (RF) (FB) (RNP 1.00)		(5.85 NM RADIUS CCW (CFBDZ)) / 13.90	
PUKAJ (RF)		URBIA (TF) (FO) (RNP 1.00)		090.29 / 2.09 8500	
NOTES, (CONT.): CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DSD VORTAC AIRWAY RADIALS 352 CW 096. CHART SPEED ICON IN PLANVIEW AT URHAZ, JUSLU, CAGOG, JAPUV, AND FIXEV: MAX 180 KIAS. CHART PLANVIEW NOTE AT ARNOY: (RNP 0.70). CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS. CHART NOTE: RF REQUIRED. CHART NOTE: GPS REQUIRED.					
CITY AND STATE REDMOND, OR		ELEVATION: 3080 TDZE: 3065 AIRPORT NAME: ROBERTS FIELD		FACILITY IDENTIFIER: RNAV	
				PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 23, AMDT 2 20 AUGUST 2015	
				SUP: RNAV (RNP) Z RWY 22 AMDT: 1 DATED: 07/24/2014	



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

[illegible]

CITY AND STATE REDMOND, OR	ELEVATION: 3080 TDZE: 3065	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 23, AMDT 2 20 AUGUST 2015	SUP: RNAV (RNP) Z RWY 22
	AIRPORT NAME: ROBERTS FIELD			AMDT: 1
				DATED: 07/24/2014

QUALITY
15
CHECKED

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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

E0151	NAR	URHAZ
E0150	NAR	WURUK
E0150	NAR	WUSIV
E0150	NAR	YIGUS
E0150	NAR	ZETBU

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
1234567890123456789													

QUALITY
15
CHECKED

CITY AND STATE REDMOND, OR	ELEVATION: 3080 TDZE: 3065	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 23, AMDT 2 20 AUGUST 2015	SUP: RNAV (RNP) Z RWY 22
	AIRPORT NAME: ROBERTS FIELD			AMDT: 1
	DATED: 07/24/2014			

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

QUALITY
15
CHECKED

CITY AND STATE REDMOND, OR	ELEVATION: 3080 TDZE: 3065	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 23, AMDT 2 20 AUGUST 2015	SUP: RNAV (RNP) Z RWY 22
	AIRPORT NAME: ROBERTS FIELD			AMDT: 1
				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 (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE												
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (RNP)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ARNOY	ARNOY	010	IAF	IF		FB					
	ARNOY	WURUK	020		TF		FB	0.7			AA 07900	
	ARNOY	CAGOG	030		TF		FB	0.7			AA 06200	AB 180
	ARNOY	RETD0	040		TF		FB	0.7			AA 05000	
	ARNOY	ZETBU	050		TF		FB	0.7			AA 04300	
	CUPRI	CUPRI	010	IAF	IF		FB					
	CUPRI	JUSLU	020		TF		FB	1.0			AA 06600	AB 180
	CUPRI	JIDUT	030		TF		FB	1.0			AA 06100	
	CUPRI	YIGUS	040		RF	R	FB	1.0		003.3	AA 05100	
	CUPRI	ZETBU	050		RF	R	FB	1.0		002.6	AA 04300	
	DSD	DSD	010	IAF	IF		FB					
	DSD	CANAM	020		TF		FB	1.0			AA 06700	
	DSD	URHAZ	030		TF		FB	1.0			AA 06300	AB 180
	DSD	JIDUT	040		RF	R	FB	1.0		003.0	AA 06100	
	DSD	YIGUS	050		RF	R	FB	1.0		003.3	AA 05100	
	DSD	ZETBU	060		RF	R	FB	1.0		002.6	AA 04300	
	SAKKO	SAKKO	010	IAF	IF		FB					
	SAKKO	IGISE	020		TF		FB	1.0			AA 06600	
	SAKKO	CUXEP	030		RF	L	FB	1.0		002.9	AA 06300	
	SAKKO	FIXEV	040		TF		FB	1.0			AA 05800	AB 180
	SAKKO	WUSIV	050		TF		FB	1.0			AA 05100	
	SAKKO	ZETBU	060		RF	L	FB	1.0		002.6	AA 04300	
	URBIA	URBIA	010	IAF	IF		FB					
	URBIA	FOVOK	020		TF		FB	1.0			AA 07000	
	URBIA	POWEL	030		RF	R	FB	1.0		008.5	AA 06600	
	URBIA	JAPUV	040		TF		FB	1.0			AA 06300	AB 180
	URBIA	HOGEP	050		RF	L	FB	1.0		003.8	AA 06300	
	URBIA	WUSIV	060		RF	L	FB	1.0		003.8	AA 05100	
	URBIA	ZETBU	070		RF	L	FB	1.0		002.6	AA 04300	
	WISSL	WISSL	010	IAF	IF		FB					
	WISSL	JUSLU	020		TF		FB	1.0			AA 06600	AB 180
	WISSL	JIDUT	030		TF		FB	1.0			AA 06100	
	WISSL	YIGUS	040		RF	R	FB	1.0		003.3	AA 05100	
	WISSL	ZETBU	050		RF	R	FB	1.0		002.6	AA 04300	
		ZETBU	020	FAF	IF		FB				AA 04300	
		RW23	030	MAP	TF		FO	0.3			AT 03101	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		TIKNE	040		TF		FB	1.0				
		PUKAJ	050		RF	L	FB	1.0		013.9		
		URBIA	060		TF		FO	1.0			AA 08500	

QUALITY
15
CHECKED

CITY AND STATE REDMOND, OR	ELEVATION: 3080	TDZE: 3065	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (RNP) Z RWY 22
	AIRPORT NAME: ROBERTS FIELD		RNAV	RNAV (RNP) Z RWY 23, AMDT 2	AMDT: 1
				20 AUGUST 2015	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 (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE									
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33									
		URBIA	070	HM	R	FO	306.0(320.0T)	007.0	AA 08500
POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS				
	DSD	N441509.95	W1211812.69	N4415.166	W12118.212				
	ARNOY	N443004.10	W1205440.22	N4430.068	W12054.670				
	CUPRI	N443703.76	W1211513.89	N4437.063	W12115.232				
	POWEL	N441043.37	W1210511.28	N4410.723	W12105.188				
	SAKKO	N440642.42	W1204656.37	N4406.707	W12046.940				
	URBIA	N440056.51	W1211136.09	N4400.942	W12111.602				
	WISSL	N443549.39	W1212459.04	N4435.823	W12124.984				
	CAGOG	N442040.11	W1205543.27	N4420.669	W12055.721				
	CANAM	N441923.26	W1211108.83	N4419.388	W12111.147				
	CFBDZ	N440707.83	W1211223.84	N4407.131	W12112.397				
	CFBVV	N441940.39	W1210532.64	N4419.673	W12105.544				
	CFBVW	N441940.39	W1210532.62	N4419.673	W12105.544				
	CFBVX	N441513.70	W1210201.92	N4415.228	W12102.032				
	CFBVZ	N441416.22	W1210248.83	N4414.270	W12102.814				
	CFBWC	N441415.91	W1210148.04	N4414.265	W12101.801				
	CFBWD	N440441.46	W1210311.81	N4404.691	W12103.197				
	CFBWF	N441015.79	W1205708.15	N4410.263	W12057.136				
	CUXEP	N441434.28	W1205336.71	N4414.571	W12053.612				
	FIXEV	N441615.90	W1205737.05	N4416.265	W12057.618				
	FOVOK	N440427.33	W1211147.45	N4404.456	W12111.791				
	HOGEP	N441414.57	W1205747.44	N4414.243	W12057.791				
	IGISE	N441229.12	W1205054.78	N4412.485	W12050.913				
	JAPUV	N441127.59	W1210052.54	N4411.460	W12100.876				
	JIDUT	N442205.69	W1210411.27	N4422.095	W12104.188				
	JUSLU	N442348.02	W1211006.93	N4423.800	W12110.116				
	PUKAJ	N440127.45	W1211424.21	N4401.458	W12114.404				
	RETDO	N441829.75	W1210104.04	N4418.496	W12101.067				
	TIKNE	N441212.95	W1211625.62	N4412.216	W12116.427				
	URHAZ	N442132.32	W1210805.20	N4421.539	W12108.087				
	WURUK	N442443.53	W1205516.12	N4424.726	W12055.269				
	WUSIV	N441723.09	W1210016.18	N4417.385	W12100.270				
	YIGUS	N441928.31	W1210155.13	N4419.472	W12101.919				
	ZETBU	N441724.21	W1210344.96	N4417.404	W12103.749				
	RW23	N441532.59	W1210818.39	N4415.543	W12108.307				
RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH						
	RW23	03054	47						

QUALITY
15
CHECKED

CITY AND STATE REDMOND, OR	ELEVATION: 3080	TDZE: 3065	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (RNP) Z RWY
	AIRPORT NAME:			RNAV (RNP) Z RWY 23, AMDT 2	22
	ROBERTS FIELD		RNAV	20 AUGUST 2015	AMDT: 1
					DATED: 07/24/2014

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

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
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.
REDMOND, OR	ROBERTS FIELD	20 AUGUST 2015	6

TAKEOFF MINIMUMS:

RWY 11, STANDARD.
RWY 5, STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 5000.
RWY 23, STANDARD WITH MINIMUM CLIMB OF 235 FT PER NM TO 4500.
RWY 29, STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 4500.

TEXTUAL DEPARTURE PROCEDURES:

RWY 5: CLIMBING LEFT TURN ON HEADING 269.00 AND DSD R-047 TO DSD VORTAC, THENCE...

RWY 11: CLIMBING RIGHT TURN ON HEADING 244.00 AND DSD R-090 TO DSD VORTAC, THENCE...

RWY 23: CLIMB HEADING 226.37 AND DSD R-090 TO DSD VORTAC, THENCE...

RWY 29: CLIMBING LEFT TURN ON HEADING 279.00 AND DSD R-045 TO DSD VORTAC, THENCE...

...CLIMB IN DSD VORTAC HOLDING PATTERN (HOLD N, RT, 167.55 INBOUND) TO CROSS DSD VORTAC AT OR ABOVE MEA/MCA FOR ROUTE OF FLIGHT BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 29, TREES BEGINNING 12 FT FROM DER, 421 FT RIGHT OF CENTERLINE, UP TO 12 FT AGL/3079 FT MSL. TREE 364 FT FROM DER, 449 FT LEFT OF CENTERLINE, 15 FT AGL/3054 FT MSL.

CONTROLLING OBSTACLES:

RWY 5: 4450 FT MSL AAO 442228.50N/1210713.00W (CG) (CTA)

RWY 23, 29: 4100 FT MSL AAO 441529.41N /1211750.41W (CG) (CTA)

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 5, 11, 23, 29: 10558 FT MSL AAO 440559.41N/1214604.56W



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.
REDMOND, OR	ROBERTS FIELD	20 AUGUST 2015	6

REMARKS:

VCOA NOT DEVELOPED PER ATC REQUEST.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

TONY BAMSEY *Digitally signed by*
LONNIE EVERHART FICO

5/28/2015

ROUTINE

DEVELOPED BY: Jun 18, 2015
Digitally signed by
HERMAN ROGERS **LONNIE EVERHART** AJV-354
Jun 18, 2015

03/01/2015

Digitally signed by
HERMAN C ROGERS
Mar 23, 2015

APPROVED BY: *Digitally signed by*
JILL OLSON **LONNIE EVERHART** AJV-354
Jun 18, 2015

COORDINATED WITH:

ATA, ALPA, AOPA, NBAA, ZSE, RDM ATCT

CHANGES:

1. CHANGED RUNWAY NUMBERS FROM 4-22 AND 10-28 TO 5-23 AND 11-29.
2. IN TEXTUAL DEP PROCEDURES, INCREASED ALL HEADINGS 4 DEGREES.
3. CHANGED RWY 23 TAKEOFF MINS FROM CLIMB OF 269 FT PER NM TO 4700 TO CLIMB OF 235 FT PER NM TO 4500.
4. CHANGED RWY 29 TAKEOFF MINS FROM CLIMB OF 276 FT PER NM TO 4800 TO CLIMB OF 240 FT PER NM TO 4500.
5. ADDED OBSTACLES MANDATING ODP ROUTE DEVELOPMENT.
6. ADDED CLIMB GRADIENT AND CLIMB-TO ALTITUDE TO RWY 5 TAKEOFF MINIMUMS.
7. CHANGED RUNWAY DEPARTURE DESCRIPTIONS TO END WITH "THENCE" AND USE A SINGLE ENTRY TO DESCRIBE THE CLIMB-IN-HOLD OVER DSD VORTAC.
8. CHANGED MEA TO MEA/MCA IN TEXTUAL DEPARTURE DESCRIPTION.

REASONS:

- 1/2. AIRPORT MAGVAR CHANGED FROM 18E TO 14E.
- 3/4. REMOVED AAO FROM LOCATION OF DSD VORTAC TO MATCH THE ILS PROCEDURE.
5. ORDER 8260.46E, PAGE 97, PARA 7(C)
6. OCS PENETRATED.
7. TO REMOVE REDUNDANCY AND SIMPLIFY THE FORMS.
8. DUE TO NUMEROUS CROSSING RESTRICTIONS AT THE DESCHUTES (DSD) VORTAC.



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		MAP: JAGMO/7.50 DME							
FESOD/22.00 DME CCW (IAF)		RUSRE/22.00 DME		22.00 DME ARC				7700		CLIMB TO 7000 DIRECT DSD VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000.							
RUSRE/22.00 DME CCW		HANAN/22.00 DME		22.00 DME ARC				7100									
CUPRI/22.00 DME CW (IAF)		HANAN/22.00 DME		22.00 DME ARC				7100									
HANAN/22.00 DME (IF)		FIKLO/17.00 DME		248.79 / 5.00 (DSD R-069)				5600									
FIKLO/17.00 DME		CERGI/12.00 DME		248.79 / 5.00 (DSD R-069)				4700									
										ADDITIONAL FLIGHT DATA: HOLD N, RT, 167.55 INBOUND. FAS OBST: 3380 AAO 441414N/1210059W CHART PRINEVILLE, OR (KS39). CHART VDP AT 9.94 DME DISTANCE VDP TO THLD 2.81 MILES. CHART DSD R-171 AT FESOD. CHART DSD R-100 AT RUSRE. CHART DSD R-348 AT CUPRI. CERGI TO RW23: 3.10/43. CHART CIRCLING ICON FAC CROSSES RWY C/L EXTENDED 200 FT FROM THLD.							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 18E EPOCH YEAR:1990							
2. PROFILE STARTS AT HANAN/22.00 DME																	
3. FAC 248.79 FAF CERGI/12.00 DME DIST FAF TO MAP _____ THLD 4.87																	
4. MIN. ALT HANAN 7100, FIKLO 5600, CERGI 4700																	
8. MSA FROM: DSD VORTAC 090-180 8400, 180-270 11600, 270-360 9100, 360-090 7000																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A						@	
CATEGORY =====>	A			B			C			D			E				
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
S-23	4000	1 1/4	935	4000	1 1/4	935	4000	2 1/2	935	4000	2 1/2	935	4000	2 1/2	935		
CIRCLING	4000	1 1/4	920	4000	1 1/4	920	4000	2 3/4	920	4000	3	920	4000	3	920		
NOTES:																	
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.										@ NA WHEN LOCAL WEATHER NOT AVAILABLE. @ CAT A, B 1000-2, CAT C 1000-2 3/4, CAT D, E 1000-3							
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BEND ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET AND VISIBILITY CATS B, C, D, AND E 1/2 MILE.																	
CHART NOTE: VDP NA WHEN USING BEND ALTIMETER SETTING.																	
CITY AND STATE REDMOND, OR		ELEVATION: 3080 AIRPORT NAME: ROBERTS FIELD		TDZE: 3065		FACILITY IDENTIFIER: DSD		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 23, AMDT 4 20 AUGUST 2015				SUP VOR/DME RWY 22 AMDT 3A DATE 09/24/2009					

**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.

CITY AND STATE

REDMOND, OR

ELEVATION: 3080

TDZE: 3065

AIRPORT NAME:

ROBERTS FIELD

FACILITY
IDENTIFIER:

DSD

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR/DME RWY 23, AMDT 4

20 AUGUST 2015

SUP: VOR/DME RWY 22

AMDT: 3A

DATED: 09/24/2009

QUALITY
4
Checked

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW09 CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 2900 DIRECT CEFSY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 088.41 INBOUND. CHART FAS OBST: 610 TREE 395945N/0753621W 750 AAO 395841N/0754150W. WACCY TO RW09: 3.00/40. CHART CIRCLING ICON.						
PTW VORTAC		ECZEL (FB)		238.63 / 16.64				4000								
ECZEL (IAF)		CEFSY (FB)		178.39 / 5.00				2900								
GLOMO (IAF)		CEFSY (FB)		070.68 / 9.83				2900								
CEFSY (IF)		WACCY (FB)		088.41 / 4.94				2100								
WACCY (FAF)		LYTTA/1.60 NM TO RW09 (FB)		088.48 / 3.43												
LYTTA/1.60 NM TO RW09		RW09 (MAP) (FO)		088.48 / 1.60												
(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 CEFSY <u> </u> 3. FAC: <u>088.48</u> FAF: WACCY <u> </u> DIST FAF TO MAP: <u>5.03</u> THLD: <u>5.03</u> 4. MIN. ALT: CEFSY 2900, WACCY 2100, LYTTA/1.60 NM TO RW09 1000 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> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW09 2600																
										MAG VAR: 12W			EPOCH YEAR: 2000			
MINIMUMS																
TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>										ALTERNATE: N A ☐ X ☐						
CATEGORY <u>=====</u>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	860	1	397	860	1	397		NA			NA					
CIRCLING	1080	1	617	1080	1	617		NA			NA					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PTW VORTAC ON AIRWAY RADIALS 205 CW 287. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GLOMO ON V403-405 SOUTHWEST BOUND, AND ON V3-408 WESTBOUND. (SEE FORM 8260-10)																
CITY AND STATE		ELEVATION: 463 TDZE: 463				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
WEST CHESTER, PA		AIRPORT NAME: BRANDYWINE				RNAV		RNAV (GPS) RWY 9, AMDT 1 20 AUGUST 2015				AMDT: ORIG-B				
												DATED 04/03/2014				

QUALITY
4
CHECKED

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

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW09 (MAP)	900 MSL	088.48	900
900 MSL	CEFSY (FO)		2900

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COATESVILLE/CHESTER COUNTY G.O. CARLSON ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.

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

CHART NOTE: PROCEDURE NA AT NIGHT.

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

CITY AND STATE

WEST CHESTER, PA

ELEVATION: 463

TDZE: 463

AIRPORT NAME:

BRANDYWINE

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, AMDT 1

20 AUGUST 2015

SUP:

AMDT:

DATED:

4

QUALITY

CHECKED

ORIG-B

04/03/2014

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

[illegible]

CITY AND STATE WEST CHESTER, PA	ELEVATION: 463 AIRPORT NAME: BRANDYWINE	TDZE: 463 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1 20 AUGUST 2015	SUP: 4
					AMDT: ORIG. 3
					DATED: 04/03/2014

SUSAP KOQNK6SRW09 K6PG

018018002625

M

CITY AND STATE WEST CHESTER, PA	ELEVATION: 463	TDZE: 463	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1 20 AUGUST 2015	SUP: QUALITY 4
	AIRPORT NAME: BRANDYWINE	AMDT: ORIG 8 CHECK			
	DATED: 04/03/2014				

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 - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	GLOMO	GLOMO	010	IAF	IF		FB					
	GLOMO	CEFSY	020		TF		FB	1.0	070.7 (058.7T)	009.8	AA 02900	
	PTW	PTW	010		IF		FB					
	PTW	ECZEL	020	IAF	TF		FB	2.0	238.6 (226.6T)	016.6	AA 04000	
	PTW	CEFSY	030		TF		FB	1.0	178.4 (166.4T)	005.0	AA 02900	
		CEFSY	010	FACF	IF		FB				AA 02900	
		WACCY	020	FAF	TF		FB	0.5	088.4 (076.4T)	004.9	AA 02100	
		LYTTA	021	SDF	TF		FB	0.3	088.5 (076.5T)	003.4	AA 01000	GS 01009
		RW09	030	MAP	TF		FO	0.3	088.5 (076.5T)	001.6	AT 00504	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		088.5 (076.5T)		AA 00900	
		CEFSY	050		DF	R	FO				AA 02900	
		CEFSY	060		HM	R	FO		088.4 (076.4T)	004.0	AA 02900	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		PTW	N401320.05		W0753336.93		N4013.334		W07533.616			
		CEFSY	N395701.00		W0754750.33		N3957.017		W07547.839			
		ECZEL	N400152.82		W0754922.10		N4001.880		W07549.368			
		GLOMO	N395154.76		W0755845.22		N3951.913		W07558.754			
		LYTTA	N395858.50		W0753715.68		N3958.975		W07537.261			
		WACCY	N395810.47		W0754135.80		N3958.175		W07541.597			
		RW09	N395920.87		W0753514.22		N3959.348		W07535.237			
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW09	00459		45							

CITY AND STATE WEST CHESTER, PA	ELEVATION: 463 AIRPORT NAME:	TDZE: 463	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1 20 AUGUST 2015	SUP: 4 AMDT: ORIGINAL DATED: 04/03/2014
	BRANDYWINE				

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

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

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



CITY AND STATE WEST CHESTER, PA	ELEVATION: 463 TDZE: 463 AIRPORT NAME: BRANDYWINE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 1 20 AUGUST 2015	SUP:
				AMDT: ORIG-B
				DATED: 04/03/2014

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	KOQN
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	395927.7000N
LTP/FTP LONGITUDE	0753437.0700W
LTP/FTP ELLIPSOIDAL HEIGHT	+01069
FPAP LATITUDE	395906.9595N
FPAP LONGITUDE	0753629.8130W
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	1808
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
<u>CRC REMAINDER</u>	7336376A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01405
FPAP ORTHOMETRIC HEIGHT	+01405

QUALITY
24
CHECKED

CITY AND STATE WEST CHESTER, PA	ELEVATION: 463 AIRPORT NAME: BRANDYWINE	TDZE: 463	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 1 20 AUGUST 2015	SUP:
					AMDT: ORIG-B
					DATED: 04/03/2014

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

QUALITY
24
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FAA FORM 8260 - 10 / April 2006 (Computer Generated) Page 4 of 6 Pages

SUSAP KOQNK6PR27			RW27 002E			+01405+01405LP			86637		
1			2			3			4		
5			6			7			8		
9			0			1			2		
3			4			5			6		
7			8			9			0		
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3			4			5			6		
7			8			9			0		
1			2			3			4		

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 - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	DASDE	DASDE	010	IAF	IF		FB					
	DASDE	GONVE	020		TF		FB	1.0	178.7 (166.7T)	005.5	AA 02900	
	MXE	MXE	010		IF		FB					
	MXE	GONVE	020		TF		FO	2.0	076.5 (064.5T)	015.6	AA 02900	
	MXE	GONVE	030	IAF	HF	R	FO		268.7 (256.7T)	004.0	AA 02900	
		GONVE	010	FACF	IF		FB				AA 02900	
		CELPA	020	FAF	TF		FB	0.5	268.7 (256.7T)	005.0	AA 02100	
		GEEKS	021	SDF	TF		FB	0.3	268.6 (256.6T)	003.3	AA 01040	GS 01047
		RW27	030	MAP	TF		FO	0.3	268.6 (256.6T)	001.7	AT 00506	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		268.6 (256.6T)		AA 01500	
		GONVE	050		DF		FO				AA 02900	
		GONVE	060		HM	R	FO		268.7 (256.7T)	004.0	AA 02900	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		MXE	N395505.00		W0754014.91		N3955.083		W07540.249			
		CELPA	N400037.60		W0752815.72		N4000.627		W07528.262			
		DASDE	N400707.58		W0752336.21		N4007.126		W07523.604			
		GEEKS	N395951.41		W0753227.98		N3959.857		W07532.466			
		GONVE	N400146.57		W0752157.36		N4001.776		W07521.956			
		RW27	N395927.70		W0753437.07		N3959.462		W07534.618			
RUNWAY DATA		RWY	THRESHOLD ELEVATION		TCH							
		RW27	00461		45							
CITY AND STATE		ELEVATION: 463		TDZE: 463		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:			SUP:	
WEST CHESTER, PA		AIRPORT NAME:		BRANDYWINE		RNAV		RNAV (GPS) RWY 27, AMDT 1			AMDT: ORIG-B	
								20 AUGUST 2015			DATED: 04/03/2014	

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.
WEST CHESTER, PA	BRANDYWINE	20 AUGUST 2015	1

TAKEOFF MINIMUMS:

RWY 9, 27: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9: VEHICLES ON ROAD 29 FT FROM DER, 282 FT LEFT OF CENTERLINE, 15 FT AGL/475 FT MSL. TREES BEGINNING 156 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/560 FT MSL. TREES BEGINNING 1456 FT FROM DER, 569 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/540 FT MSL. TREES BEGINNING 2816 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/560 FT MSL.

NOTE: RWY 27: VEHICLES ON ROAD BEGINNING 131 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 17 FT AGL/487 FT MSL. TREES BEGINNING 538 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/580 FT MSL.

CONTROLLING OBSTACLES:



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

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City, State	Airport	Effective Date	Amdt. No.
WEST CHESTER, PA	BRANDYWINE	20 AUGUST 2015	1

REMARKS:

FLIGHT INSPECTED BY:

STEPHEN BAUER FICO *Digitally signed by* 06/09/2015
MARLON J ROBINSON

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

Digitally signed by
MIKE MELSSEN **MIKE MELSSEN** AJV-352 Jun 11, 2015 1/30/2015

APPROVED BY:

Mar 25, 2015
Digitally signed by
SUSAN CRUMB **MARLON J ROBINSON** V-352
Jun 11, 2015

COORDINATED WITH:

AOPA, NBAA, ZNY, PHL APP CON, AMGR

CHANGES:

1. UPDATED TAKEOFF OBSTACLE NOTES.
2. UPDATED TAKEOFF MINIMUMS FROM "RWY 27, 300-1 OR STD. WITH A MIN. CLIMB OF 240' PER NM TO 700" TO "STANDARD".

REASONS:

- 1,2. NEW EVALUATION.



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: 5.73 MILES AFTER MXE VORTAC OR AT AVAYU/MXE 5.73 DME							
												CLIMBING LEFT TURN TO 2000 DIRECT MXE VORTAC AND HOLD.							
												ADDITIONAL FLIGHT DATA: FAS OBST: 674 AAO 395505N/0754015W CHART CIRCLING ICON. FAC INTERSECTS THE MIDPOINT OF RWY 9-27.							
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)																			
2. HOLD SW MXE VORTAC, RT, 054.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF)																			
3. FAC 052.48 FAF MXE VORTAC DIST FAF TO MAP 5.73 THLD																			
4. MIN. ALT MXE VORTAC 2000																			
8. MSA FROM: MXE VORTAC 090-180 2100, 180-090 2600										MAG VAR: 9W EPOCH YEAR:1965									
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		1080	1	617	1080	1	617		NA			NA							
NOTES:																			
CHART NOTE: PROCEDURE NA AT NIGHT.																			
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																			
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COATESVILLE ALTIMETER SETTING AND INCREASE ALL DA 60 FEET.																			
QUALITY 24 CHECKED																			
CITY AND STATE WEST CHESTER, PA				ELEVATION: 463 TDZE: AIRPORT NAME: BRANDYWINE				FACILITY IDENTIFIER: MXE				PROCEDURE NO./AMDТ NO./EFFECTIVE DATE: VOR-A, AMDТ 4 20 AUGUST 2015				SUP AMDТ 3A DATE 04/03/2014			

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

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City, State	Airport	Effective Date	Amdt. No.
SONORA, TX	SONORA MUNI	20 AUGUST 2015	2

TAKEOFF MINIMUMS:

RWY 36: STANDARD
RWY 18: 300 – 1 OR STANDARD WITH A MINIMUM CLIMB GRADIENT OF 553 FT PER NM TO 2400.

TEXTUAL DEPARTURE PROCEDURES:

RWY 18: CLIMB HEADING 182.05 TO 2900 BEFORE TURNING LEFT

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18: BUILDINGS BEGINNING 683 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 27 FT AGL/2163 FT MSL. TREES AND TERRAIN BEGINNING 2233 FT FROM DER, 686 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/2309 FT MSL. TOWER 4860 FT FROM DER, 1458 FT RIGHT OF CENTERLINE, 75 FT AGL/2287 FT MSL.

NOTE: RWY 36: FENCE BEGINNING 2 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 5 FT AGL/2144 FT MSL. VEHICLES ON ROAD BEGINNING 8 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 10 FT AGL/2149 FT MSL. TREE 65 FT FROM DER, 462 FT RIGHT OF CENTERLINE, 48 FT AGL/2178 FT MSL. TREE 247 FT FROM DER, 337 FT LEFT OF CENTERLINE, 47 FT AGL/2187 FT MSL. TREES BEGINNING 278 FT FROM DER, 439 FT RIGHT OF CENTERLINE, UP TO 27 FT AGL/2157 FT MSL. TREE 759 FT FROM DER, 508 FT LEFT OF CENTERLINE, 15 FT AGL/2195 FT MSL. TREES AND TERRAIN BEGINNING 981 FT FROM DER, 258 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/2269 FT MSL.

CONTROLLING OBSTACLES:

RWY 18: 2309 FT MSL TREE, 303426.58N/1003915.13W (CLIMB GRADIENT, CEILING, CLIMB-TO ALTITUDE), 2287 FT MSL TOWER, 303404.00N/1003925.00W (VISIBILITY).

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 18 – 2761 FT MSL TOWER, 303337.14N/1003755.07W

REMARKS:



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

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

City, State	Airport	Effective Date	Amdt. No.
SONORA, TX	SONORA MUNI	20 AUGUST 2015	2

FLIGHT INSPECTED BY:

BRAD SNELLING *Digitally signed by*
JACOB POWERS 1/24/2015
Mar 11, 2015

REQUIRED EFFECTIVE DATE:

DEVELOPED BY:

JACOB POWERS *Digitally signed by*
(SCOTT BAGENSIE) **JACOB POWERS** AJV-352 11/07/2014 ROUTINE
Dec 30, 2014

APPROVED BY:

GEORGE GONZALEZ *Digitally signed by*
JACOB POWERS AJV-352
Dec 30, 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZFW, AMGR

CHANGES:

1. INCORPORATED DEPARTURE ROUTE TO RUNWAY 18 FOR NEW OBSTACLES.
2. ADDED CLIMB GRADIENT OR CEILING AND VISIBILITY TO RWY 18.
3. UPDATED TAKE-OFF OBSTACLES.

REASONS:

1. OBSTACLES IDENTIFIED IN BIENNIAL CAUSED ROUTE DEVELOPMENT TO MITIGATE PENETRATIONS.
2. ADDED VEGETATION TO MOUNTAIN IN MAP STUDY, PREVIOUS DEVELOPMENT (1993) DID NOT USE VEGETATION IN DEVELOPMENT.
3. MAP STUDY IDENTIFIED NEW OBSTACLES.

12/23/2014: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/07/2014.

1. AMDT NO. CHANGED FROM 3 TO 2.



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME OR GPS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE				ALTITUDE									
										ADDITIONAL FLIGHT DATA:									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																			
2. _____																			
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____																			
4. MIN. ALT _____																			
8. MSA FROM: _____										MAG VAR: _____ EPOCH YEAR: _____									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A _____									
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 20 AUGUST 2015																			
CITY AND STATE STRATFORD, TX				ELEVATION: 3668 AIRPORT NAME: STRATFORD FIELD			TDZE:			FACILITY IDENTIFIER: DHT			PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR/DME OR GPS-A, AMDT 4, 02/19/2004				SUP VOR/DME-A AMD'T 3 DATE 06/07/1984		



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

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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
HAMET	THREE	HAMET3.HAMET	TWO	06/05/2008	20 AUGUST 2015

TYPE: RNAV OBSTACLE

DP ROUTE DESCRIPTION:

TAKEOFF RWY 19: CLIMB HEADING 193.62 TO 5820, THEN DIRECT DELPE, THEN ON TRACK 191.22 TO ZIDLO, THEN ON TRACK 170.63 TO HAMET. THENCE...

... CLIMB IN HOLDING PATTERN (HOLD N, RT, 170.63 INBOUND) TO 16000 BEFORE PROCEEDING ON COURSE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
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PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS
RWY 01 - NA ATC.
RWY 19, STANDARD WITH A MINIMUM CLIMB OF 385 FT PER NM TO 13600 FT.
NOTE: RNAV 1.
NOTE: GPS REQUIRED.

TAKEOFF OBSTACLES NOTES:

RWY 19: BUSHES BEGINNING 74 FT FROM DER, 322 FT RIGHT OF CENTERLINE, UP TO 2 FT AGL/5326 FT MSL. VEHICLES ON ROAD BEGINNING 347 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/5352 FT MSL. TREES BEGINNING 831 FT FROM DER, 695 FT LEFT OF CENTERLINE, UP TO 95 FT AGL/5414 FT MSL. BUILDING 1469 FT FROM DER, 660 FT RIGHT OF CENTERLINE, 50 FT AGL/5360 FT MSL. TREES BEGINNING 1604 FT FROM DER, 475 FT RIGHT OF CENTERLINE, UP TO 57 FT AGL/5397 FT MSL.

CONTROLLING OBSTACLES:

12269 FT MSL AAO 382205N/1122216W.
OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: 11559 FT MSL AAO 383733N/1120100W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KRIF 13E EPOCH YR 2000.
DME/DME ASSESSMENT: NOT CONDUCTED.



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

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
HAMET	THREE	HAMET3.HAMET	TWO	06/05/2008	20 AUGUST 2015

AIRPORTS SERVED:

RICHFIELD MUNI

RICHFIELD, UTAH

COMMUNICATIONS:

SALT LAKE CITY CENTER, CTAF/UNICOM, AWOS-3.

FIXES AND/OR NAVAIDS:

REMARKS:

CHART: HOLDING AT HAMET.

FLIGHT INSPECTED BY:

CHARLES D. CUNNINGHAM

FICO

Digitally signed by
LONNIE EVERHART

5/27/2015

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

Digitally signed by

Jun 19, 2015

VICTOR C BOONE, AIS **VICTOR C BOONE** AJV-354

08/18/2014

APPROVED BY:

Mar 17, 2015

JILL OLSON, MANAGER

AJV-354

Digitally signed by
LONNIE EVERHART

COORDINATED WITH:

Jun 19, 2015

ATA, AOPA, ALPA, NBAA, ZLC, AMGR, UT AERO.

CHANGES:

1. CHANGED COURSE AND DISTANCE FROM DELPE TO ZIDLO (FORMERLY WALSA) FROM 191.98/10.17 TO 191.22/8.64.
2. RAISED CLIMB GRADIENT FROM 382 FT/NM TO 14700 TO 385 FT/NM TO 13600.
3. UPDATED TAKEOFF OBSTACLE NOTES.
4. REMOVED AND REPLACED FIX WALSA WITH FIX ZIDLO AND UPDATED COURSE/DISTANCE FROM 167.71/9.25 TO 170.63/10.54.
5. ADDED VA LEG.
6. CHANGED HOLDING OVER HAMET FROM 167.71 TO 170.63.

REASONS:

1. RWY 01/19 MOVED TO THE WEST; DELPE AND WALSA MOVED TO THE WEST TO LINE UP WITH NEW RUNWAY LOCATION.



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

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
HAMET	THREE	HAMET3.HAMET	TWO	06/05/2008	20 AUGUST 2015

2. SIMPLIFICATION OF INSTRUMENT READING; EASE OF FLIGHT.
3. NEW OBSTACLE DATA ANALYSIS.
4. NEW FIX NEEDED 1.39 MILES AWAY TO AVOID TERRAIN.
5. VA LEG SIMPLIFIED OBSTACLE EVALUATION AREA.
6. HOLDING CHANGED TO REFLECT INBOUND COURSE FROM NEW FIX ZIDLO TO HAMET.



DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code			Superseded Number		Dated	Effective Date
HAMET		THREE	HAMET3.HAMET			TWO		06/05/2008	20 AUGUST 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW19 (AER)	384434.15N/1120545.63W	N	-	-	-	-			
5820 MSL		-	-	VA	206.61	-			CG 385 FT/NM TO 13600
DELPE	384130.49N/1120743.02W	Y	FB	DF	-	-			
ZIDLO	383337.16N/1121214.15W	Y	FB	TF	204.22	8.64			
HAMET	382305.48N/1121305.11W	Y	FO	TF	183.63	10.54			
HAMET	382305.48N/1121305.11W	Y	FO	HA			16000		



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

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

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
RICHFIELD	TWO	RIF2.RIF	ONE	06/05/2008	20 AUGUST 2015

TYPE: RNAV OBSTACLE

DP ROUTE DESCRIPTION:

TAKEOFF RWY 01: CLIMB HEADING 013.61 TO 5820, THEN DIRECT TO FABRI, THEN ON TRACK 036.70/16.83 TO GILEY, THEN ON TRACK 333.41/8.24 TO CHMIO, THEN ON TRACK 278.81/33.44 TO DTA VORTAC. THENCE...

...CLIMB TO 10300. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

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

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS
RWY 19 - NA ATC.
RWY 01, 300 -1 3/4 OR STANDARD WITH A MINIMUM CLIMB OF 275 FT PER NM TO 5700
NOTE: RNAV 1.
NOTE: GPS REQUIRED.

TAKEOFF OBSTACLES NOTES:

GRD 7 FT FROM DER, 330 FT LEFT OF CENTERLINE, 5281 FT MSL. BUILDING 10 FT FROM DER, 458 FT LEFT OF CENTERLINE, 15 FT AGL/5298 FT MSL. BUILDINGS BEGINNING 300 FT FROM DER, 471 FT LEFT OF CENTERLINE UP TO 5315 FT MSL. POLES BEGINNING 1159 FT FROM DER, 270 FT LEFT OF CENTERLINE, UP TO 29 FT AGL/5325 FT MSL. POLES BEGINNING 2232 FT FROM DER, 817 FT LEFT OF CENTERLINE, UP TO 49 FT AGL/5346 FT MSL. TREE 2522 FT FROM DER, 350 FT LEFT OF CENTERLINE, 59 FT AGL/ 5353 FT MSL. TREES BEGINNING 2907 FT FROM DER, 715 FT LEFT OF CENTERLINE, UP TO 91 FT AGL/5399 FT MSL. TOWERS BEGINNING 1.3 NM FROM DER, 1801 FT RIGHT OF CENTERLINE, UP TO 287 FT AGL/5558 FT MSL.

CONTROLLING OBSTACLES:

5558 FT MSL TOWER 384534.32N/1120435.80W.
OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: 11559 FT MSL AAO 383733N/1120100W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KRIF 13E EPOCH YR 2000.
DME/DME ASSESSMENT: NOT CONDUCTED.



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

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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
RICHFIELD	TWO	RIF2.RIF	ONE	06/05/2008	20 AUGUST 2015

AIRPORTS SERVED:

RICHFIELD MUNI

RICHFIELD, UTAH

COMMUNICATIONS:

SALT LAKE CITY CENTER, CTAF/UNICOM, AWOS-3.

FIXES AND/OR NAVAIDS:

REMARKS:

FLIGHT INSPECTED BY:

CHARLES D. CUNNINGHAM

FICO

Digitally signed by

LONNIE EVERHART

5/27/2015

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

Digitally signed by

VICTOR C BOONE, AIS **VICTOR C BOONE**

AJV-354

Jun 19, 2015

02/06/2015

APPROVED BY:

JILL OLSON, MANAGER

AJV-354

Digitally signed by

LONNIE EVERHART

COORDINATED WITH:

ATA, ALPA, AOPA, NBAA, ZLC, AMGR, UT AERO.

Jun 19, 2015

CHANGES:



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

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

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
RICHFIELD	TWO	RIF2.RIF	ONE	06/05/2008	20 AUGUST 2015

1. PROCEDURE RE-WORKED TO REFLECT NEW RWY 01 DER LOCATION
2. LEGS BETWEEN GILEY AND DTA MODIFIED TO PASS CRITERIA. EBOVE REMOVED FROM PROCEDURE; NEW FIX, CHMIO, ADDED
3. UPDATED TAKEOFF OBSTACLE NOTES.
4. LOWERED TAKEOFF MINIMUMS FROM 400-1 1/2 OR STANDARD WITH A MINIMUM CLIMB OF 366' PER NM TO 5800 TO 300 -1 3/4 OR STANDARD WITH A MINIMUM CLIMB OF 275 FT PER NM TO 5700 FT.
5. ADDED VA LEG TO DEPARTURE.
6. LOWERED CLIMB TO ALTITUDE FROM 10600 TO 10300.

REASONS:

1. RUNWAY RELOCATED.
2. DTA LEG LENGTH DID NOT MEET CURRENT CRITERIA.
- 3, 4. NEW OBSTACLE DATA.
5. VA LEG PROVIDED SMALLER OBSTACLE EVALUATION AREA.
6. LOWEST VICTOR ROUTE MEA FROM DELTA VORTAC.



DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code				Superseded Number		Dated	Effective Date
RICHFIELD		TWO	RIF2.RIF				ONE		06/05/2008	20 AUGUST 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW01 (AER)	384331.43N/1120625.77W	N	-	-		-			CG 275 FT/NM TO 5700	
5820 MSL		-	-	VA	026.61	-				
FABRI	384655.19N/1120418.57W	Y	FB	DF		-				
GILEY	385747.84N/1114751.22W	Y	FB	TF	49.70	16.83				
CHMIO	390548.56N/1115020.36W	Y	FB	TF	346.41	8.24				
DTA VORTAC	391807.96W/1123020.00W	Y	FB	TF	291.81	33.44				



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: RW23					
OTINE (IF/IAF)		HEMTA (FB)		234.06 / 7.42				2900		CLIMB TO 4000 DIRECT ESISE AND ON TRACK 211.81 TO PIGGS AND HOLD.					
HEMTA (FAF)		RW23 (MAP) (FO)		233.99 / 6.18											
RW23 (MAP)		1292 MSL		233.99						ADDITIONAL FLIGHT DATA: HOLD NE, RT, 234.30 INBOUND. FAS OBST: 1219 AAO 370812N/0793313W					
1292 MSL		ESISE (FB)													
ESISE		PIGGS (FO)		211.81 / 8.81				4000							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)															
2. HOLD NE OTINE, RT, 234.06 INBOUND, 3000 FT. IN LIEU OF PT (IAF)															
3. FAC: 233.99 FAF: HEMTA DIST FAF TO MAP: 6.18 THLD: 6.18															
4. MIN. ALT: OTINE 3000, HEMTA 2900															
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: RW23 5500															
MAG VAR: 9W EPOCH YEAR: 2010															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A X					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1900	3	1008	1900	3	1008		NA			NA				
CIRCLING	1900	3	1008	1900	3	1008		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: USE LYNCHBURG ALTIMETER SETTING; WHEN NOT RECEIVED, USE ROANOKE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. CHART NOTE: PROCEDURE NA AT NIGHT. (SEE FORM 8260-10)															
CITY AND STATE MONETA, VA		ELEVATION: 892 TDZE: 892 AIRPORT NAME: SMITH MOUNTAIN LAKE				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, ORIG-B 20 AUGUST 2015				SUP: AMDT: ORIG-A DATED 12/15/2011			

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

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

NOTES, (CONT.):

CHART PROFILE NOTE: DESCENT ANGLE NA.

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



CITY AND STATE
MONETA, VA

ELEVATION: 892 TDZE: 892
AIRPORT NAME:
SMITH MOUNTAIN LAKE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 23, ORIG-B
20 AUGUST 2015

SUP:	
AMDT:	ORIG-A
DATED:	12/15/2011

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

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

ARINC PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAEENRT	ESISE K60	W	N37040952W079382512				W0088	NAR	ESISE			
	SUSAEENRT	HEMTA K60	W	N37110118W079295184				W0089	NAR	HEMTA			
	SUSAEENRT	OTINE K60	C	L N37161643W079231722				W0090	NAR	OTINE			
	SUSAEENRT	PIGGS K60	C	L N36560181W079424061				W0087	NAR	PIGGS			

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP W91 K6AW91	0	030YHN37062780W079353290W0090000892				1800018000C	MNAR	SMITH MOUNTAIN LAKE				

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP W91 K6FR23	AOTINE	0100TINEK6EA0EE	AR	HF		23410040	+	03000	18000		B JS	
	SUSAP W91 K6FR23	R	0100TINEK6EA0E	I	IF			+	03000	18000		B JS	
	SUSAP W91 K6FR23	R	020HEMTAK6EA1E	F	051TF		23410074	+	02900		RW23	K6PGB JS	
	SUSAP W91 K6FR23	R	020HEMTAK6EA2WN		N	ALNAV						JS	
	SUSAP W91 K6FR23	R	030RW23 K6PG0GY	M	031TF		23400062		01900		000	B JS	
	SUSAP W91 K6FR23	R	040	0	M	CA	2340	+	01292			B JS	
	SUSAP W91 K6FR23	R	050ESISEK6EA0E		DF							B JS	
	SUSAP W91 K6FR23	R	060PIGGSK6EA0EY		010TF		2118	+	04000			B JS	
	SUSAP W91 K6FR23	R	070PIGGSK6EA0EE	R	HM		23430040	+	04000			B JS	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP W91 K6GRW23	0030582339	N37063852W079351959-1200				+0239800892000050050D						

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP W91 K6SRW23	K6PG	0	18018005525								M	

CITY AND STATE
MONETA, VA

ELEVATION: 892 TDZE: 892
AIRPORT NAME:
SMITH MOUNTAIN LAKE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 23, ORIG-B
20 AUGUST 2015

SUP:
AMDT: ORIG-A
DATED: 12/15/2011

QUALITY
4
CHECKED

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 - FAR PART 97.33												
ARINC SUMMARY - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	OTINE	OTINE	010	IAF	HF	R	FO		234.1 (225.1T)	004.0	AA 03000	
		OTINE	010	FACF	IF		FB				AA 03000	
		HEMTA	020	FAF	TF		FB	0.5	234.1 (225.1T)	007.4	AA 02900	
		RW23	030	MAP	TF		FO	0.3	234.0 (225.0T)	006.2	AT 01900	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		234.0 (225.0T)		AA 01292	
		ESISE	050		DF		FB					
		PIGGS	060		TF		FO	1.0	211.8 (202.8T)		AA 04000	
		PIGGS	070		HM	R	FO		234.3 (225.3T)	004.0	AA 04000	
POINT DATA		WAYPOINT			LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS	
		ESISE			N370409.52		W0793825.12		N3704.159		W07938.419	
		HEMTA			N371101.18		W0792951.84		N3711.020		W07929.864	
		OTINE			N371616.43		W0792317.22		N3716.274		W07923.287	
		PIGGS			N365601.81		W0794240.61		N3656.030		W07942.677	
		RW23			N370638.52		W0793519.59		N3706.642		W07935.327	
RUNWAY DATA				THRESHOLD								
		RWY		ELEVATION		TCH						
		RW23		00892		50						



CITY AND STATE MONETA, VA	ELEVATION: 892	TDZE: 892	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 23, ORIG-B	ORIG-A
	SMITH MOUNTAIN LAKE		RNAV	20 AUGUST 2015	DATED: 12/15/2011

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: RW14 CLIMB TO 2000 DIRECT WARIV AND LEFT TURN ON TRACK 041.26 TO JIMMY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 221.00 INBOUND. CHART FAS OBST: 196 TOWER 365446N/0761503W CHART VDP AT 1.27 MILES TO RW14.						
CCV VORTAC		CUBEL (FB)		230.72 / 22.66			2000								
DEEMS/ORF 13.00 DME/RADAR		HAMKI (FB)		358.55 / 11.65			2500								
HCM VORTAC		CUBEL (FB)		149.10 / 29.93			2000								
CUBEL (IAF)		FIDAR (FB)		226.93 / 5.00			2000								
HAMKI (IAF)		FIDAR (FB)		046.85 / 5.00			2000								
FIDAR (IF)		JADEX (FB)		136.89 / 5.55			1500								
JADEX (FAF)		RW14 (MAP) (FO)		136.95 / 4.45											
(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 FIDAR <u> </u> 3. FAC: <u>136.95</u> FAF: JADEX <u> </u> DIST FAF TO MAP: <u>4.45</u> THLD: <u>4.45</u> 4. MIN. ALT: FIDAR 2000, JADEX 1500 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> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW14 2300															
										MAG VAR: 9W			EPOCH YEAR: 1985		
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD						
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	460	1	435	460	1	435	460	1 1/4	435	460	1 1/2	435			
CIRCLING	520	1	493	520	1	493	540	1 1/2	513	580	2	553			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CCV VORTAC ON V1-139 NORTHEAST BOUND AND ARRIVALS AT DEEMS ON V1 SOUTHWEST BOUND. CHART PROFILE NOTE: DESCENT ANGLE NA.															
CITY AND STATE		ELEVATION: 27		TDZE: 25		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
NORFOLK, VA		AIRPORT NAME:		NORFOLK INTL		RNAV		RNAV (GPS) RWY 14, ORIG-D 20 AUGUST 2015				AMDT: ORIG-C			
												DATED 08/22/2013			



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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW14 (MAP)	427 MSL	136.95	
427 MSL	WARIV (FO)		
WARIV	JIMMY (FO)	041.26 / 11.96	2000

SUP:	4
AMDT:	ORIG-C
DATED:	08/22/2013

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KORFK6FR14	ACCV	010CCV	K6D 0V	IF					18000		B JS	
SUSAP	KORFK6FR14	ACCV	020CUBELK6EA0E	A 020TF			23070227	+	02000			B JS	
SUSAP	KORFK6FR14	ACCV	030FIDARK6EA0EE	B 010TF			22690050	+	02000			B JS	
SUSAP	KORFK6FR14	ADEEMS	010DEEMSK6EA0E	IF						18000		B JS	
SUSAP	KORFK6FR14	ADEEMS	020HAMKIK6EA0E	A 020TF			35860117	+	02500			B JS	
SUSAP	KORFK6FR14	ADEEMS	030FIDARK6EA0EE	B 010TF			04690050	+	02000			B JS	
SUSAP	KORFK6FR14	AHCM	010HCM	K6D 0V	IF					18000		B JS	
SUSAP	KORFK6FR14	AHCM	020CUBELK6EA0E	A 020TF			14910299	+	02000			B JS	
SUSAP	KORFK6FR14	AHCM	030FIDARK6EA0EE	B 010TF			22690050	+	02000			B JS	
SUSAP	KORFK6FR14	R	010FIDARK6EA0E	I IF				+	02000	18000		B JS	
SUSAP	KORFK6FR14	R	020JADEXK6EA1E	F 051TF			13690056	+	01500		RW14	K6PGB	JS
SUSAP	KORFK6FR14	R	020JADEXK6EA2WN		N	ALNAV						JS	
SUSAP	KORFK6FR14	R	030RW14	K6PG0GY	M 031TF		13700045		00460	000		B JS	
SUSAP	KORFK6FR14	R	040	0 M	CA		1370	+	00427			B JS	
SUSAP	KORFK6FR14	R	050WARIVK6EA0EY	DF								B JS	
SUSAP	KORFK6FR14	R	060JIMMYK6EA0EY	L010TFY			0413	+	02000			B JS	
SUSAP	KORFK6FR14	R	070JIMMYK6EA0EE	L HM			22100040	+	02000			B JS	

CITY AND STATE NORFOLK, VA	ELEVATION: 27 TDZE: 25	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: 4
	AIRPORT NAME: NORFOLK INTL		RNAV (GPS) RWY 14, ORIG-D	AMDT: ORIG-D
			20 AUGUST 2015	DATED: 08/22/2013

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.
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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.
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[illegible]

CITY AND STATE
NORFOLK, VA

ELEVATION: 27	TDZE: 25
AIRPORT NAME:	NORFOLK INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG-D 20 AUGUST 2015
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SUP:	4
AMDT:	ORIGINAL
DATED:	08/22/2013

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 - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CCV	CCV	010		IF		FB					
	CCV	CUBEL	020	IAF	TF		FB	2.0	230.7 (221.7T)	022.7	AA 02000	
	CCV	FIDAR	030		TF		FB	1.0	226.9 (217.9T)	005.0	AA 02000	
	DEEMS	DEEMS	010		IF		FB					
	DEEMS	HAMKI	020	IAF	TF		FB	2.0	358.6 (349.6T)	011.7	AA 02500	
	DEEMS	FIDAR	030		TF		FB	1.0	046.9 (037.9T)	005.0	AA 02000	
	HCM	HCM	010		IF		FB					
	HCM	CUBEL	020	IAF	TF		FB	2.0	149.1 (140.1T)	029.9	AA 02000	
	HCM	FIDAR	030		TF		FB	1.0	226.9 (217.9T)	005.0	AA 02000	
		FIDAR	010	FACF	IF		FB				AA 02000	
		JADEX	020	FAF	TF		FB	0.5	136.9 (127.9T)	005.6	AA 01500	
		RW14	030	MAP	TF		FO	0.3	137.0 (128.0T)	004.5	AT 00460	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		137.0 (128.0T)		AA 00427	
		WARIV	050		DF		FO					
		JIMMY	060		TF	L	FO	1.0	041.3 (032.3T)		AA 02000	
		JIMMY	070		HM	L	FO		221.0 (212.0T)	004.0	AA 02000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		CCV	N372051.14		W0755951.55		N3720.852		W07559.859			
		HCM	N372655.18		W0764240.87		N3726.920		W07642.681			
		CUBEL	N370353.67		W0761841.83		N3703.895		W07618.697			
		DEEMS	N364431.54		W0762343.84		N3644.526		W07623.731			
		FIDAR	N365956.67		W0762232.03		N3659.945		W07622.534			
		HAMKI	N365559.55		W0762621.84		N3655.993		W07626.364			
		JADEX	N365631.84		W0761704.33		N3656.531		W07617.072			
		JIMMY	N370318.71		W0760346.16		N3703.312		W07603.769			
		WARIV	N365311.42		W0761144.54		N3653.190		W07611.742			
		RW14	N365347.29		W0761241.72		N3653.788		W07612.695			
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW14	00019		36							
CITY AND STATE NORFOLK, VA		ELEVATION: 27		TDZE: 25		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG-D 20 AUGUST 2015		SUP: 4		
		AIRPORT NAME: NORFOLK INTL								AMDT: ORIG-D		
										DATED: 08/22/2013		

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		LNAV: RW32 CLIMB TO 2000 DIRECT CERIN AND ON TRACK 047.02 TO JIMMY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 221.00 INBOUND. CHART FAS OBST: 165 CTRL TWR 365324N/0761143W CHART 511 BLDG 365029N/0760809W CHART VDP AT 1.20 MILES TO RW32.					
CCV VORTAC		JEBAT (FB)			188.07 / 29.12			2000							
SUNNS		HELBA (FB)			056.34 / 25.71			2000							
HELBA (IAF)		FAMEX (FB)			047.05 / 5.00			2000							
JEBAT (IAF)		FAMEX (FB)			227.13 / 5.00			2000							
FAMEX (IF)		EVAPE (FB)			317.09 / 5.17			1300							
EVAPE (FAF)		RW32 (MAP) (FO)			317.04 / 3.83										
RW32 (MAP)		427 MSL			317.04										
(SEE FORM 8260-10)															

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										
2. PROFILE STARTS AT FAMEX										
3. FAC: 317.04 FAF: EVAPE DIST FAF TO MAP: 3.83 THLD: 3.83										
4. MIN. ALT: FAMEX 2000, EVAPE 1300										
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____										
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____										
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR										
8. MSA FROM: RW32 2300										

MAG VAR: 9W
EPOCH YEAR: 1985

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD						
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	440	1	415	440	1	415	440	1 1/8	415	440	1 1/8	415			
CIRCLING	520	1	493	520	1	493	540	1 1/2	513	580	2	553			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SUNNS ON V139 SOUTHWEST BOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CCV VORTAC AIRWAY RADIALS 210 CW 290.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART PROFILE NOTE: DESCENT ANGLE NA.

CITY AND STATE NORFOLK, VA		ELEVATION: 27 TDZE: 25 AIRPORT NAME: NORFOLK INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG-D 20 AUGUST 2015				SUP: AMDT: ORIG-C DATED 10/17/2013	
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
427 MSL	CERIN (FB)		
CERIN	JIMMY (FO)	047.02 / 11.9	2000

QUALITY
24
CHECKED

CITY AND STATE
NORFOLK, VA

ELEVATION: 27 TDZE: 25
AIRPORT NAME:
NORFOLK INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 32, ORIG-D
20 AUGUST 2015

SUP:
AMDT: ORIG-C
DATED: 10/17/2013

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 PACKET - 424-18 - RNAV (GPS)																											
	1	2	3	4	5	6	7	8	9	0	1	2	3														
NAVAID	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012																										
	SUSAD	CCV	K6011220VTLA	N37205114W075595155	N37205114W075595155W0100000101	NARCAPE	CHARLES																				
	1	2	3	4	5	6	7	8	9	0	1	2	3														
WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012																										
	SUSAEAENRT	CERIN	K60	W	N36535593W076125540	W0109	NAR	CERIN																			
	SUSAEAENRT	EVAPE	K60	W	N36505726W076081099	W0109	NAR	EVAPE																			
	SUSAEAENRT	FAMEX	K60	W	N36474569W076030669	W0109	NAR	FAMEX																			
	SUSAEAENRT	HELBA	K60	W	N36434920W076065691	W0109	NAR	HELBA																			
	SUSAEAENRT	JEBAT	K60	W	N36514205W075591607	W0110	NAR	JEBAT																			
	SUSAEAENRT	JIMMY	K60	C	N37031871W076034616	W0110	NAR	JIMMY																			
	SUSAEAENRT	SUNNS	K70	C	L N36262474W076302821	W0106	NAR	SUNNS																			
	1	2	3	4	5	6	7	8	9	0	1	2	3														
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012																										
	SUSAP	KORFK6AORF	0	048YHN36534060W076120440W009000027	1800018000C	MNAR	NORFOLK	INTL																			
	1	2	3	4	5	6	7	8	9	0	1	2	3														
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012																										
	SUSAP	KORFK6FR32	ACCV	010CCV	K6D 0V	IF				18000												B	JS				
	SUSAP	KORFK6FR32	ACCV	020JEBAT	K6EA0E	A 020TF			18810291		+ 02000											B	JS				
	SUSAP	KORFK6FR32	ACCV	030FAMEX	K6EA0EE	B 010TF			22710050		+ 02000											B	JS				
	SUSAP	KORFK6FR32	ASUNNS	010SUNNS	K7EA0E	IF						18000										B	JS				
	SUSAP	KORFK6FR32	ASUNNS	020HELBA	K6EA0E	A 020TF			05630257		+ 02000											B	JS				
	SUSAP	KORFK6FR32	ASUNNS	030FAMEX	K6EA0EE	B 010TF			04710050		+ 02000											B	JS				
	SUSAP	KORFK6FR32	R	010FAMEX	K6EA0E	I IF					+ 02000		18000									B	JS				
	SUSAP	KORFK6FR32	R	020EVAPE	K6EA1E	F 051TF			31710052		+ 01300										RW32	K6PGB	JS				
	SUSAP	KORFK6FR32	R	020EVAPE	K6EA2WN		N	ALNAV														JS					
	SUSAP	KORFK6FR32	R	030RW32	K6PGOGY	M 031TF			31700038		00440			000								B	JS				
	SUSAP	KORFK6FR32	R	040	0 M	CA			3170		+ 00427											B	JS				
	SUSAP	KORFK6FR32	R	050CERIN	K6EA0E	DF																B	JS				
	SUSAP	KORFK6FR32	R	060JIMMY	K6EA0EY	010TF			0470		+ 02000											B	JS				
	SUSAP	KORFK6FR32	R	070JIMMY	K6EA0EE	L HM			22100040		+ 02000											B	JS				
	1	2	3	4	5	6	7	8	9	0	1	2	3														
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012																										
	SUSAP	KORFK6GRW32	0048753170	N36531891W076115649-0100	-0030400022000034150V																						

CITY AND STATE NORFOLK, VA	ELEVATION: 27 TDZE: 25 AIRPORT NAME: NORFOLK INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG-D 20 AUGUST 2015	SUP: 4 AMDT: ORIGINAL DATED: 10/17/2013

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

CITY AND STATE NORFOLK, VA	ELEVATION: 27	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG-D 20 AUGUST 2015	SUP: 4
	AIRPORT NAME: NORFOLK INTL			AMDT: ORIG-C
				DATED: 10/17/2013

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 - 424-18 - RNAV (GPS)												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CCV	CCV	010		IF		FB					
	CCV	JEBAT	020	IAF	TF		FB	2.0	188.1 (179.1T)	029.1	AA 02000	
	CCV	FAMEX	030		TF		FB	1.0	227.1 (218.1T)	005.0	AA 02000	
	SUNNS	SUNNS	010		IF		FB					
	SUNNS	HELBA	020	IAF	TF		FB	2.0	056.3 (047.3T)	025.7	AA 02000	
	SUNNS	FAMEX	030		TF		FB	1.0	047.1 (038.1T)	005.0	AA 02000	
		FAMEX	010	FACF	IF		FB				AA 02000	
		EVAPE	020	FAF	TF		FB	0.5	317.1 (308.1T)	005.2	AA 01300	
		RW32	030	MAP	TF		FO	0.3	317.0 (308.0T)	003.8	AT 00440	
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
			040		CA		FB		317.0 (308.0T)		AA 00427	
		CERIN	050		DF		FB					
		JIMMY	060		TF		FO	1.0	047.0 (038.0T)		AA 02000	
		JIMMY	070		HM	L	FO		221.0 (212.0T)	004.0	AA 02000	
POINT DATA		WAYPOINT	LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS			
		CCV	N372051.14		W0755951.55		N3720.852		W07559.859			
		CERIN	N365355.93		W0761255.40		N3653.932		W07612.923			
		EVAPE	N365057.26		W0760810.99		N3650.954		W07608.183			
		FAMEX	N364745.69		W0760306.69		N3647.762		W07603.112			
		HELBA	N364349.20		W0760656.91		N3643.820		W07606.949			
		JEBAT	N365142.05		W0755916.07		N3651.701		W07559.268			
		JIMMY	N370318.71		W0760346.16		N3703.312		W07603.769			
		SUNNS	N362624.74		W0763028.21		N3626.412		W07630.470			
		RW32	N365318.91		W0761156.49		N3653.315		W07611.942			
RUNWAY DATA			THRESHOLD									
		RWY	ELEVATION		TCH							
		RW32	00022		34							

CITY AND STATE NORFOLK, VA	ELEVATION: 27	TDZE: 25	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: NORFOLK INTL		RNAV	RNAV (GPS) RWY 32, ORIG-D	4
				20 AUGUST 2015	AMDT:
					DATED: 10/17/2013

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 =====>		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 20 AUGUST 2015																				
CITY AND STATE CHETEK, WI				ELEVATION: 1055 AIRPORT NAME: CHETEK MUNI-SOUTHWORTH			TDZE:			FACILITY IDENTIFIER: RPD			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME-A, ORIG-B, 04/04/2013				SUP AMDT DATE		ORIG-A 01/18/2007	



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 =====>		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 20 AUGUST 2015																				
CITY AND STATE CUMBERLAND, WI				ELEVATION: 1241 AIRPORT NAME: CUMBERLAND MUNI			TDZE:			FACILITY IDENTIFIER: RPD			PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR/DME-A, ORIG-A, 04/14/2005				SUP AMD'T DATE		ORIG 10/13/1998	



[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31027](#); Amdt. No. [3652](#)]

**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 [JULY 2, 2015](#)



John Duncan
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal regulations, Part 97, (14 CFR part 97), is amended by amending Standard Instrument Approach Procedures and Takeoff Minimums and ODPs, effective at 0901 UTC on the dates specified, as follows:

PART 97 - STANDARD INSTRUMENT APPROACH PROCEDURES

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

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

2. Part 97 is amended to read as follows:

By amending: §97.23 VOR, VOR/DME, VOR or TACAN, and VOR/DME or TACAN; §97.25 LOC, LOC/DME, LDA, LDA/DME, SDF, SDF/DME; §97.27 NDB, NDB/DME; §97.29 ILS, ILS/DME, MLS, MLS/DME, MLS/RNAV; §97.31 RADAR SIAPs; §97.33 RNAV SIAPs; and §97.35 COPTER SIAPs, Identified as follows:
EFFECTIVE UPON PUBLICATION

AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
23-Jul-15	WI	Middleton	Middleton Muni - Morey Field	5/4207	06/09/15	This NOTAM, published in TL 15-16, is hereby rescinded in its entirety.
23-Jul-15	WI	Middleton	Middleton Muni - Morey Field	5/9942	06/09/15	This NOTAM, published in TL 15-16, is hereby rescinded in its entirety.
AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
20-Aug-15	AK	St Mary's	St Mary's	5/0483	06/23/15	RNAV (GPS) RWY 35, Amdt 2B
20-Aug-15	FL	Marathon	The Florida Keys Marathon	5/0558	06/23/15	Takeoff Minimums and (Obstacle) DP, Amdt 1
20-Aug-15	FL	Okeechobee	Okeechobee County	5/0639	06/16/15	RNAV (GPS) RWY 5, Amdt 1A
20-Aug-15	FL	Okeechobee	Okeechobee County	5/0640	06/16/15	RNAV (GPS) RWY 14, Amdt 1A
20-Aug-15	FL	Okeechobee	Okeechobee County	5/0642	06/16/15	RNAV (GPS) RWY 23, Amdt 2A
20-Aug-15	FL	Okeechobee	Okeechobee County	5/0643	06/16/15	RNAV (GPS) RWY 32, Orig-B
20-Aug-15	SC	Florence	Florence Rgnl	5/0708	06/23/15	RNAV (GPS) RWY 27, Orig-A
20-Aug-15	SC	Florence	Florence Rgnl	5/0709	06/23/15	ILS OR LOC RWY 9, Amdt 12A
20-Aug-15	SC	Florence	Florence Rgnl	5/0710	06/23/15	RNAV (GPS) RWY 9, Orig-B
20-Aug-15	SC	Florence	Florence Rgnl	5/0711	06/23/15	VOR OR TACAN-A, Amdt 6A
20-Aug-15	TN	Jacksboro	Campbell County	5/0721	06/23/15	RNAV (GPS) RWY 23, Amdt 1
20-Aug-15	FL	Tampa	Tampa Intl	5/0960	06/23/15	ILS OR LOC RWY 1L, ILS RWY 1L (SA CAT I), ILS RWY 1L (CAT II), ILS RWY 1L (CAT III), Amdt 17
20-Aug-15	VT	Burlington	Burlington Intl	5/0968	06/23/15	ILS OR LOC/DME RWY 33, Amdt 1A
20-Aug-15	GA	Jefferson	Jackson County	5/0971	06/23/15	RNAV (GPS) RWY 17, Amdt 2A
20-Aug-15	GA	Jefferson	Jackson County	5/0973	06/23/15	RNAV (GPS) RWY 35, Amdt 2A

20-Aug-15	MI	Grand Ledge	Abrams Muni	5/0974	06/23/15	RNAV (GPS) RWY 9, Orig-A
20-Aug-15	ME	Greenville	Greenville Muni	5/0975	06/23/15	RNAV (GPS) RWY 14, Orig
20-Aug-15	MS	Louisville	Louisville Winston County	5/1073	06/16/15	RNAV (GPS) RWY 35, Amdt 1
20-Aug-15	MS	Louisville	Louisville Winston County	5/1074	06/16/15	RNAV (GPS) RWY 17, Amdt 1
20-Aug-15	FL	Apalachicola	Apalachicola Rgnl-Cleve Randolph Field	5/1250	06/22/15	RNAV (GPS) RWY 14, Amdt 2A
20-Aug-15	FL	Apalachicola	Apalachicola Rgnl-Cleve Randolph Field	5/1251	06/22/15	RNAV (GPS) RWY 18, Orig-A
20-Aug-15	FL	Apalachicola	Apalachicola Rgnl-Cleve Randolph Field	5/1252	06/22/15	RNAV (GPS) RWY 6, Amdt 1A
20-Aug-15	FL	Apalachicola	Apalachicola Rgnl-Cleve Randolph Field	5/1253	06/22/15	RNAV (GPS) RWY 24, Amdt 1A
20-Aug-15	FL	Apalachicola	Apalachicola Rgnl-Cleve Randolph Field	5/1254	06/22/15	RNAV (GPS) RWY 32, Amdt 2A
20-Aug-15	FL	Apalachicola	Apalachicola Rgnl-Cleve Randolph Field	5/1255	06/22/15	RNAV (GPS) RWY 36, Orig-A
20-Aug-15	FL	Apalachicola	Apalachicola Rgnl-Cleve Randolph Field	5/1256	06/22/15	NDB RWY 14, Amdt 2A
20-Aug-15	FL	Apalachicola	Apalachicola Rgnl-Cleve Randolph Field	5/1258	06/22/15	NDB RWY 32, Amdt 2A
20-Aug-15	HI	Lihue	Lihue	5/1332	06/11/15	VOR/DME OR TACAN RWY 21, Amdt 4A
20-Aug-15	TN	Smyrna	Smyrna	5/1497	06/23/15	VOR/DME RWY 32, Amdt 13B
20-Aug-15	TN	Smyrna	Smyrna	5/1498	06/23/15	RNAV (GPS) RWY 32, Amdt 1
20-Aug-15	TN	Smyrna	Smyrna	5/1499	06/23/15	ILS OR LOC/DME RWY 32, Amdt 6
20-Aug-15	TN	Smyrna	Smyrna	5/1500	06/23/15	RNAV (GPS) RWY 19, Orig
20-Aug-15	TN	Smyrna	Smyrna	5/1501	06/23/15	RNAV (GPS) RWY 14, Amdt 1
20-Aug-15	TN	Jasper	Marion County-Brown Field	5/1688	06/16/15	NDB RWY 4, Amdt 5
20-Aug-15	KS	Phillipsburg	Phillipsburg Muni	5/1742	06/24/15	RNAV (GPS) RWY 13, Amdt 1
20-Aug-15	KS	Phillipsburg	Phillipsburg Muni	5/1743	06/24/15	NDB-A, Amdt 1
20-Aug-15	KS	Phillipsburg	Phillipsburg Muni	5/1746	06/24/15	RNAV (GPS) RWY 31, Amdt 1
20-Aug-15	AR	Pine Bluff	Grider Field	5/1761	06/29/15	RNAV (GPS) RWY 18, Amdt 1A
20-Aug-15	AR	Pine Bluff	Grider Field	5/1762	06/29/15	RNAV (GPS) RWY 36, Amdt 1A
20-Aug-15	AL	Jasper	Walker County-Bevill Field	5/2332	06/29/15	ILS OR LOC/DME RWY 27, Amdt 1

20-Aug-15	OH	Wapakoneta	Neil Armstrong	5/2334	06/24/15	RNAV (GPS) RWY 8, Orig
20-Aug-15	OH	Wapakoneta	Neil Armstrong	5/2335	06/24/15	VOR-A, Amdt 8
20-Aug-15	OH	Wapakoneta	Neil Armstrong	5/2338	06/24/15	RNAV (GPS) RWY 26, Orig
20-Aug-15	AL	Jasper	Walker County-Bevill Field	5/2342	06/29/15	RNAV (GPS) RWY 27, Orig
20-Aug-15	KY	Russellville	Russellville-Logan County	5/2353	06/24/15	RNAV (GPS) RWY 24, Orig
20-Aug-15	KY	Russellville	Russellville-Logan County	5/2354	06/24/15	VOR/DME RWY 24, Amdt 7
20-Aug-15	KY	Russellville	Russellville-Logan County	5/2355	06/24/15	RNAV (GPS) RWY 6, Orig
20-Aug-15	NJ	Linden	Linden	5/2435	06/24/15	GPS-A, Orig-A
20-Aug-15	GA	Monroe	Monroe-Walton County	5/2530	06/16/15	RNAV (GPS) RWY 3, Amdt 2
20-Aug-15	GA	Monroe	Monroe-Walton County	5/2531	06/16/15	NDB-A, Amdt 1
20-Aug-15	TN	Rogersville	Hawkins County	5/2540	06/17/15	GPS RWY 7, Orig-A
20-Aug-15	NJ	Wildwood	Cape May County	5/2552	06/17/15	VOR-A, Amdt 3C
20-Aug-15	NJ	Wildwood	Cape May County	5/2554	06/17/15	LOC RWY 19, Amdt 6D
20-Aug-15	NJ	Wildwood	Cape May County	5/2555	06/17/15	RNAV (GPS) RWY 19, Orig-C
20-Aug-15	NJ	Wildwood	Cape May County	5/2557	06/17/15	RNAV (GPS) RWY 10, Orig-B
20-Aug-15	NC	Rockingham	Richmond County	5/2578	06/17/15	RNAV (GPS) RWY 32, Orig-A
20-Aug-15	KS	Great Bend	Great Bend Muni	5/2589	06/24/15	RNAV (GPS) RWY 17, Orig
20-Aug-15	KS	Great Bend	Great Bend Muni	5/2590	06/24/15	RNAV (GPS) RWY 35, Orig
20-Aug-15	MN	New Ulm	New Ulm Muni	5/2781	06/29/15	RNAV (GPS) RWY 15, Orig-A
20-Aug-15	PA	Gettysburg	Gettysburg Rgnl	5/2829	06/16/15	Takeoff Minimums and (Obstacle) DP, Orig
20-Aug-15	GA	Butler	Butler Muni	5/2888	06/16/15	RNAV (GPS) RWY 36, Amdt 1A
20-Aug-15	MN	Aitkin	Aitkin Muni-Steve Kurtz Field	5/2973	06/24/15	RNAV (GPS) RWY 34, Orig-A
20-Aug-15	MN	Aitkin	Aitkin Muni-Steve Kurtz Field	5/2974	06/24/15	RNAV (GPS) RWY 16, Orig-A
20-Aug-15	MN	Aitkin	Aitkin Muni-Steve Kurtz Field	5/2975	06/24/15	NDB RWY 16, Amdt 5A
20-Aug-15	TN	Oneida	Scott Muni	5/3079	06/26/15	VOR/DME-A, Amdt 5A
20-Aug-15	SC	Winnsboro	Fairfield County	5/3125	06/29/15	RNAV (GPS) RWY 22, Amdt 1A
20-Aug-15	SC	Winnsboro	Fairfield County	5/3126	06/29/15	RNAV (GPS) RWY 4, Amdt 1A
20-Aug-15	SC	Winnsboro	Fairfield County	5/3128	06/29/15	NDB RWY 4, Amdt 4A

20-Aug-15	NY	Schenectady	Schenectady County	5/3146	06/24/15	ILS OR LOC RWY 4, Amdt 5C
20-Aug-15	NY	Schenectady	Schenectady County	5/3148	06/24/15	RNAV (GPS) RWY 28, Orig-B
20-Aug-15	NY	Schenectady	Schenectady County	5/3221	06/24/15	RNAV (GPS) RWY 22, Orig-A
20-Aug-15	NY	Schenectady	Schenectady County	5/3222	06/24/15	NDB RWY 22, Amdt 16A
20-Aug-15	PA	Philadelphia	Wings Field	5/3236	06/16/15	RNAV (GPS) RWY 24, Amdt 1
20-Aug-15	PA	Philadelphia	Wings Field	5/3237	06/16/15	RNAV (GPS) RWY 6, Amdt 1
20-Aug-15	MS	West Point	McCharen Field	5/3460	06/17/15	VOR-A, Amdt 4
20-Aug-15	MS	West Point	McCharen Field	5/3461	06/17/15	VOR/DME-B, Amdt 5
20-Aug-15	DC	Washington	Ronald Reagan Washington National	5/3512	06/17/15	RNAV (RNP) RWY 19, Amdt 2
20-Aug-15	AK	Kokhanok	Kokhanok	5/3611	06/11/15	Takeoff Minimums and (Obstacle) DP, Orig
20-Aug-15	GA	Augusta	Augusta Rgnl At Bush Field	5/3650	06/22/15	ILS OR LOC RWY 35, Amdt 28A
20-Aug-15	NC	Roanoke Rapids	Halifax-Northampton Rgnl	5/3666	06/16/15	VOR/DME RWY 2, Orig-A
20-Aug-15	GA	Lafayette	Barwick Lafayette	5/3753	06/16/15	Takeoff Minimums and (Obstacle) DP, Amdt 1
20-Aug-15	MS	Raymond	John Bell Williams	5/3779	06/16/15	NDB RWY 12, Amdt 3A
20-Aug-15	MS	Raymond	John Bell Williams	5/3780	06/16/15	ILS OR LOC RWY 12, Amdt 1A
20-Aug-15	MS	Raymond	John Bell Williams	5/3781	06/16/15	RNAV (GPS) RWY 12, Amdt 3A
20-Aug-15	MS	Brookhaven	Brookhaven-Lincoln County	5/3817	06/26/15	VOR/DME-A, Amdt 9
20-Aug-15	FL	St Augustine	Northeast Florida Rgnl	5/3850	06/26/15	RNAV (GPS) RWY 31, Amdt 1C
20-Aug-15	IL	Kankakee	Greater Kankakee	5/3901	06/29/15	RNAV (GPS) RWY 4, Amdt 1A
20-Aug-15	GA	Atlanta	Fulton County Airport-Brown Field	5/3993	06/24/15	ILS OR LOC RWY 8, Amdt 17
20-Aug-15	NY	East Hampton	East Hampton	5/4418	06/16/15	RNAV (GPS) Y RWY 28, Amdt 1
20-Aug-15	NY	East Hampton	East Hampton	5/4419	06/16/15	RNAV (GPS) Z RWY 28, Orig
20-Aug-15	NY	East Hampton	East Hampton	5/4420	06/16/15	RNAV (GPS) Z RWY 10, Amdt 1
20-Aug-15	NY	East Hampton	East Hampton	5/4422	06/16/15	RNAV (GPS) X RWY 10, Amdt 1
20-Aug-15	NY	East Hampton	East Hampton	5/4423	06/16/15	VOR-A, Amdt 11A
20-Aug-15	MD	Crisfield	Crisfield Muni	5/4433	06/29/15	RNAV (GPS)-B, Orig
20-Aug-15	MD	Crisfield	Crisfield Muni	5/4450	06/29/15	Takeoff Minimums and (Obstacle) DP, Orig

20-Aug-15	FL	Miami	Kendall-Tamiami Executive	5/4451	06/29/15	RNAV (GPS) RWY 27R, Orig
20-Aug-15	FL	Miami	Kendall-Tamiami Executive	5/4456	06/29/15	RNAV (GPS) RWY 9L, Orig-A
20-Aug-15	FL	Miami	Kendall-Tamiami Executive	5/4457	06/29/15	ILS OR LOC RWY 9R, Amdt 11
20-Aug-15	FL	Miami	Kendall-Tamiami Executive	5/4460	06/29/15	RNAV (GPS) RWY 27L, Amdt 2
20-Aug-15	FL	Miami	Kendall-Tamiami Executive	5/4464	06/29/15	RNAV (GPS) RWY 9R, Amdt 2
20-Aug-15	FL	Miami	Kendall-Tamiami Executive	5/4465	06/29/15	Takeoff Minimums and (Obstacle) DP, Amdt 8
20-Aug-15	FL	Tallahassee	Tallahassee Rgnl	5/4616	06/29/15	RNAV (GPS) RWY 36, Amdt 1A
20-Aug-15	FL	Tallahassee	Tallahassee Rgnl	5/4621	06/29/15	VOR/DME OR TACAN RWY 36, Amdt 1A
20-Aug-15	FL	Tallahassee	Tallahassee Rgnl	5/4622	06/29/15	VOR RWY 18, Amdt 12A
20-Aug-15	FL	Tallahassee	Tallahassee Rgnl	5/4624	06/29/15	RADAR 1, Amdt 5B
20-Aug-15	FL	St Augustine	Northeast Florida Rgnl	5/4637	06/17/15	RNAV (GPS) RWY 13, Orig-B
20-Aug-15	HI	Hana	Hana	5/4752	06/11/15	RNAV (GPS) RWY 26, Orig-A
20-Aug-15	NJ	Lumberton	Flying W	5/5169	06/16/15	RNAV (GPS) RWY 19, Amdt 1A
20-Aug-15	NJ	Lumberton	Flying W	5/5170	06/16/15	RNAV (GPS) RWY 1, Amdt 1A
20-Aug-15	NJ	Lumberton	Flying W	5/5171	06/16/15	VOR-A, Amdt 4
20-Aug-15	KY	London	London-Corbin Arpt-Magee Field	5/5399	06/29/15	VOR RWY 6, Amdt 13
20-Aug-15	FL	Naples	Naples Muni	5/5858	06/16/15	VOR RWY 23, Amdt 6D
20-Aug-15	OH	Cambridge	Cambridge Muni	5/5859	06/29/15	RNAV (GPS) RWY 22, Orig-A
20-Aug-15	MA	Westfield/Springfield	Westfield-Barnes Rgnl	5/6215	06/23/15	ILS OR LOC RWY 20, Amdt 8
20-Aug-15	NY	Rochester	Greater Rochester Intl	5/6338	06/29/15	ILS OR LOC RWY 4, ILS RWY 4 (SA CAT I), ILS RWY 4 (CAT II), Amdt 21A
20-Aug-15	FL	Tallahassee	Tallahassee Rgnl	5/6413	06/30/15	RNAV (GPS) RWY 18, Amdt 1A
20-Aug-15	NC	Wilson	Wilson Industrial Air Center	5/6537	06/29/15	RNAV (GPS) RWY 21, Orig-C
20-Aug-15	HI	Honolulu	Honolulu Intl	5/6631	06/11/15	ILS Y RWY 4R, Amdt 1A
20-Aug-15	CA	Livermore	Livermore Muni	5/7014	06/11/15	ILS RWY 25R, Amdt 7A
20-Aug-15	WV	Martinsburg	Eastern WV Rgnl/Shepherd Fld	5/7093	06/23/15	ILS OR LOC RWY 26, Amdt 8A
20-Aug-15	WV	Martinsburg	Eastern WV Rgnl/Shepherd Fld	5/7094	06/23/15	RNAV (GPS) RWY 26, Orig-A

20-Aug-15	AK	Coldfoot	Coldfoot	5/7196	06/11/15	Takeoff Minimums and (Obstacle) DP, Orig
20-Aug-15	NE	Cozad	Cozad Muni	5/7288	06/29/15	Takeoff Minimums and (Obstacle) DP, Amdt 1
20-Aug-15	AK	Point Hope	Point Hope	5/7308	06/11/15	RNAV (GPS) RWY 1, Amdt 1
20-Aug-15	AK	Point Hope	Point Hope	5/7309	06/11/15	RNAV (GPS) RWY 19, Amdt 1
20-Aug-15	IA	Algona	Algona Muni	5/7402	06/30/15	Takeoff Minimums and (Obstacle) DP, Amdt 4
20-Aug-15	MN	Montevideo	Montevideo-Chippewa County	5/7403	06/30/15	Takeoff Minimums and (Obstacle) DP, Orig
20-Aug-15	OK	Cushing	Cushing Muni	5/7431	06/30/15	Takeoff Minimums and (Obstacle) DP, Amdt 1
20-Aug-15	AK	Selawik	Selawik	5/7444	06/11/15	RNAV (GPS) RWY 4, Orig-B
20-Aug-15	AK	Selawik	Selawik	5/7445	06/11/15	RNAV (GPS) Y RWY 22, Orig-B
20-Aug-15	AR	Fayetteville/ Springdale/	Northwest Arkansas Rgnl	5/7587	06/22/15	ILS OR LOC/DME RWY 16, Amdt 2A
20-Aug-15	AR	Fayetteville/ Springdale/	Northwest Arkansas Rgnl	5/7588	06/22/15	ILS OR LOC/DME RWY 17, Orig-B
20-Aug-15	AR	Fayetteville/ Springdale/	Northwest Arkansas Rgnl	5/7589	06/22/15	ILS OR LOC/DME RWY 34, Amdt 2
20-Aug-15	AR	Fayetteville/ Springdale/	Northwest Arkansas Rgnl	5/7590	06/22/15	ILS OR LOC/DME RWY 35, Orig-B
20-Aug-15	AR	Fayetteville/ Springdale/	Northwest Arkansas Rgnl	5/7592	06/22/15	RNAV (GPS) RWY 16, Amdt 2
20-Aug-15	AR	Fayetteville/ Springdale/	Northwest Arkansas Rgnl	5/7593	06/22/15	RNAV (GPS) RWY 17, Orig-B
20-Aug-15	AR	Fayetteville/ Springdale/	Northwest Arkansas Rgnl	5/7594	06/22/15	RNAV (GPS) RWY 34, Amdt 1
20-Aug-15	AR	Fayetteville/ Springdale/	Northwest Arkansas Rgnl	5/7595	06/22/15	RNAV (GPS) RWY 35, Orig-B
20-Aug-15	CA	Sacramento	Sacramento Intl	5/7810	06/11/15	RNAV (GPS) Y RWY 34R, Amdt 1
20-Aug-15	WY	Jackson	Jackson Hole	5/7820	06/11/15	RNAV (GPS) X RWY 1, Amdt 1A
20-Aug-15	MS	Greenwood	Greenwood-Leflore	5/8306	06/16/15	ILS OR LOC RWY 18, Amdt 8
20-Aug-15	VA	Suffolk	Suffolk Executive	5/8347	06/17/15	RNAV (GPS) RWY 25, Amdt 1
20-Aug-15	VA	Suffolk	Suffolk Executive	5/8348	06/17/15	RNAV (GPS) RWY 22, Amdt 1
20-Aug-15	VA	Suffolk	Suffolk Executive	5/8349	06/17/15	LOC RWY 4, Amdt 4
20-Aug-15	VA	Suffolk	Suffolk Executive	5/8350	06/17/15	RNAV (GPS) RWY 4, Amdt 3
20-Aug-15	NJ	Sussex	Sussex	5/8364	06/17/15	VOR-A, Amdt 6
20-Aug-15	IL	Monticello	Piatt County	5/8511	06/16/15	VOR OR GPS-A, Amdt 1

20-Aug-15	NM	Carlsbad	Cavern City Air Trml	5/8917	06/26/15	VOR RWY 32L, Amdt 6A
20-Aug-15	NJ	Hammonton	Hammonton Muni	5/9012	06/23/15	RNAV (GPS) RWY 3, Amdt 1
20-Aug-15	NJ	Hammonton	Hammonton Muni	5/9013	06/23/15	VOR-A, Amdt 7
20-Aug-15	NJ	Hammonton	Hammonton Muni	5/9015	06/23/15	VOR-B, Amdt 2
20-Aug-15	AK	Barrow	Wiley Post-Will Rogers Memorial	5/9089	06/11/15	RNAV (GPS) RWY 7, Orig
20-Aug-15	AK	Barrow	Wiley Post-Will Rogers Memorial	5/9090	06/11/15	Takeoff Minimums and (Obstacle) DP, Orig
20-Aug-15	CO	Leadville	Lake County	5/9091	06/11/15	GPS RWY 16, Orig
20-Aug-15	MA	Westfield/ Springfield	Westfield-Barnes Rgnl	5/9300	06/23/15	VOR OR TACAN RWY 2, Amdt 4E
20-Aug-15	MA	Westfield/ Springfield	Westfield-Barnes Rgnl	5/9304	06/23/15	RNAV (GPS) RWY 2, Orig-A
20-Aug-15	MA	Westfield/ Springfield	Westfield-Barnes Rgnl	5/9318	06/23/15	RNAV (GPS) RWY 20, Amdt 1B
20-Aug-15	MA	Westfield/ Springfield	Westfield-Barnes Rgnl	5/9321	06/23/15	VOR RWY 20, Amdt 20D
20-Aug-15	FL	Plant City	Plant City	5/9362	06/23/15	VOR RWY 28, Amdt 3B
20-Aug-15	AK	Anchorage	Merrill Field	5/9701	06/11/15	Takeoff Minimums and (Obstacle) DP, Amdt 1
20-Aug-15	OK	Ardmore	Ardmore Muni	5/9780	06/26/15	RNAV (GPS) RWY 13, Orig-A
20-Aug-15	OK	Ardmore	Ardmore Muni	5/9782	06/26/15	ILS OR LOC RWY 31, Amdt 5A
20-Aug-15	OK	Ardmore	Ardmore Muni	5/9783	06/26/15	RNAV (GPS) RWY 31, Amdt 1A
20-Aug-15	OK	Ardmore	Ardmore Muni	5/9784	06/26/15	VOR-B, Amdt 1A
20-Aug-15	FL	Fort Lauderdale	Fort Lauderdale/ Hollywood Intl	5/9824	06/16/15	Takeoff Minimums and (Obstacle) DP, Amdt 6
20-Aug-15	NY	Canandaigua	Canandaigua	5/9871	06/22/15	RNAV (GPS) RWY 31, Amdt 1

AIRAC Date: 20 AUGUST 2015

FDC **5/0483** KSM IAP ST MARY'S, ST MARY'S, AK. RNAV (GPS) RWY 35, AMDT 2B... DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 35 PROCEDURE NA AT NIGHT.. THIS IS RNAV (GPS) RWY 35, AMDT 2C. 1506181123-PERM

FDC **5/0558** MTH ODP THE FLORIDA KEYS MARATHON, MARATHON, FL. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT-1... DEPARTURE PROCEDURE RWY 25, CLIMBING RIGHT TURN HEADING 280 TO INTERCEPT THE MTH 307 DEGREE BEARING FROM MTH NDB TO TIGAR INT BEFORE PROCEEDING ON COURSE. ADD OBSTACLE TO RWY 25 NOTE: MONOPOLE 3997 FT FROM DER, 660 FT LEFT OF CENTERLINE, 136 FT AGL/140 MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT-1A. 1506181305-PERM

FDC **5/0639** OBE IAP OKEECHOBEE COUNTY, OKEECHOBEE, FL. RNAV (GPS) RWY 5, AMDT 1A... CHART NOTE: NIGHT LANDING: RWY 5, 23 NA. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 5 PROCEDURE NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 23 NA AT NIGHT. THIS IS RNAV (GPS) RWY 5, AMDT 1B. 1506021208-PERM

FDC **5/0640** OBE IAP OKEECHOBEE COUNTY, OKEECHOBEE, FL. RNAV (GPS) RWY 14, AMDT 1A... CHART NOTE: PROCEDURE NA AT NIGHT. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NA NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 23 NA AT NIGHT. THIS IS RNAV (GPS) RWY 14, AMDT 1B. 1506021208-PERM

FDC **5/0642** OBE IAP OKEECHOBEE COUNTY, OKEECHOBEE, FL. RNAV (GPS) RWY 23, AMDT 2A... CHART NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 23 PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 23, AMDT 2B. 1506021208-PERM

FDC **5/0643** OBE IAP OKEECHOBEE COUNTY, OKEECHOBEE, FL. RNAV (GPS) RWY 32, ORIG-B... CHART NOTE: PROCEDURE NA AT NIGHT. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NA NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 23 NA AT NIGHT. THIS IS RNAV (GPS) RWY 32 ORIG-C. 1506021208-PERM

FDC **5/0708** FLO IAP FLORENCE RGNL, FLORENCE, SC. RNAV (GPS) RWY 27, ORIG-A... CIRCLING CAT A HAA 493, CAT B/C HAA 513, CAT D HAA 593, VIS CAT B 1. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHANGE NIGHT LANDING: RWY 1, 19, 27 NA NOTE TO READ: NIGHT LANDING: RWY 1, 19 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/TCH 58.3). APT ELEV 147. THIS IS RNAV (GPS) RWY 27 ORIG-B. 1506181520-PERM

FDC **5/0709** FLO IAP FLORENCE RGNL, FLORENCE, SC. ILS OR LOC RWY 9, AMDT 12A... S-ILS 9 DA 347 ALL CATS. S-LOC 9 HAT 693 ALL CATS. CIRCLING HAA 693 ALL CATS. CHANGE NIGHT LANDING: RWY 1, 19, 27 NA NOTE TO READ: NIGHT LANDING: RWY 1, 19 NA. TDZE 147. APT ELEV 147. THIS IS ILS OR LOC RWY 9, AMDT 12B. 1506181520-PERM

FDC **5/0710** FLO IAP FLORENCE RGNL, FLORENCE, SC. RNAV (GPS) RWY 9, ORIG-B... DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 1 AND 19 NA AT NIGHT. CHART NOTE: NIGHT LANDING RWY 1, 19 NA. THIS IS RNAV (GPS) RWY 9 ORIG-C. 1506181520-PERM

FDC **5/0711** FLO IAP FLORENCE RGNL, FLORENCE, SC. VOR OR TACAN-A, AMDT 6A... CIRCLING CAT A HAA 493, CATS B/C HAA 513, CAT D HAA 593, VIS CAT B 1. CHANGE NIGHT LANDING: RWY 1, 19, 27 NA NOTE TO READ: NIGHT LANDING: RWY 1, 19 NA. APT ELEV 147. THIS IS VOR OR TACAN-A, AMDT 6B. 1506181520-PERM

FDC **5/0721** JAU IAP CAMPBELL COUNTY, JACKSBORO, TN. RNAV (GPS) RWY 23, AMDT 1... DELETE NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 23, AMDT 1A. 1506181558-PERM

FDC **5/0960** TPA IAP TAMPA INTL, TAMPA, FL. ILS OR LOC RWY 1L, AMDT 17 ... ILS RWY 1L (SA CAT I) AMDT 17 ... ILS RWY 1L (CAT II) AMDT 17 ... ILS RWY 1L (CAT III) AMDT 17 ... CHANGE DME REQUIRED PLANVIEW NOTE TO READ: DME AND RADAR REQUIRED. THIS IS ILS OR LOC RWY 1L AMDT 17A, ILS RWY 1L (SA CAT I) AMDT 17A, ILS RWY 1L (CAT II) AMDT 17A, ILS RWY 1L (CAT III) AMDT 17A 1506181911-PERM

FDC **5/0968** BTV IAP BURLINGTON INTL, BURLINGTON, VT. ILS OR LOC/DME RWY 33, AMDT 1A... CHANGE ALTERNATE MISSED APPROACH TO READ: CLIMB TO 3000 DIRECT HERRO LOM AND HOLD. CONTINUE CLIMB IN HOLD TO 3000. HOLD NW, LT, 145.81 INBOUND (ADF REQUIRED). CHART NOTE: AUTOPILOT COUPLED APPROACHES NA. THIS IS ILS OR LOC/DME RWY 33, AMDT 1B. 1506181916-PERM

FDC **5/0971** 19A IAP JACKSON COUNTY, JEFFERSON, GA. RNAV (GPS) RWY 17, AMDT 2A... DELETE NOTE: CIRCLING TO RWY 35 NA AT NIGHT. THIS IS RNAV (GPS) RWY 17, AMDT 2B. 1506181931-PERM

FDC **5/0973** 19A IAP JACKSON COUNTY, JEFFERSON, GA. RNAV (GPS) RWY 35, AMDT 2A... DELETE NOTE: RWY 35 STRAIGHT-IN AND CIRCLING NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 35, AMDT 2B. 1506181932-PERM

FDC **5/0974** 4D0 IAP ABRAMS MUNI, GRAND LEDGE, MI. RNAV (GPS) RWY 9, ORIG-A... DELETE NOTE: CIRCLING TO RWYS 18, 27 AND 36 NA AT NIGHT. CHART NOTE: CIRCLING NA TO RWYS 18 AND 36. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED. CHART NOTE: NIGHT LANDING RWY 27 NA. THIS IS RNAV (GPS) RWY 9 ORIG-B. 1506181934-PERM

FDC **5/0975** 3B1 IAP GREENVILLE MUNI, GREENVILLE, ME. RNAV (GPS) RWY 14, ORIG... CHANGE TERMINAL ROUTE WELUG (IF) TO WELUG (IF/IAF). THIS IS RNAV (GPS) RWY 14 ORIG-A. 1506181935-PERM

FDC **5/1073** LMS IAP LOUISVILLE WINSTON COUNTY, LOUISVILLE, MS. RNAV (GPS) RWY 35, AMDT 1... DELETE NOTE: RWY 35 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. DELETE THRE 562. CHART TDZE 574. LP HAT 526 ALL CATS. LNAV HAT 706 ALL CATS.. THIS IS RNAV (GPS) RWY 35, AMDT 1A. 1506021934-PERM

FDC **5/1074** LMS IAP LOUISVILLE WINSTON COUNTY, LOUISVILLE, MS. RNAV (GPS) RWY 17, AMDT 1... DELETE NOTE: CIRCLING TO RWY 35 NA AT NIGHT. CHANGE ALTIMETER SETTING NOTE TO READ: USE PHILADELPHIA MUNI ALTIMETER SETTING; WHEN NOT RECEIVED, USE GOLDEN TRIANGLE RGNL ALTIMETER SETTING AND INCREASE ALL DA 47 FEET AND INCREASE ALL MDA 60 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE AND LNAV CATS C AND D VISIBILITY 1/8 MILE. CHART TDZE 574. DELETE THRE 549. LPV DA 891. LNAV/VNAV DA 955. LNAV HAT 446 ALL CATS. THIS IS RNAV (GPS) RWY 17, AMDT 1A. 1506021934-PERM

FDC **5/1250** AAF IAP APALACHICOLA RGNL-CLEVE RANDOLPH FIELD, APALACHICOLA, FL. RNAV (GPS) RWY 14, AMDT 2A... DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 14 PRODECURE NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 18/36 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING TO RWY 6 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 6, 14, 18, 36 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 14, AMDT 2B. 1505131511-PERM

FDC **5/1251** AAF IAP APALACHICOLA RGNL-CLEVE RANDOLPH FIELD, APALACHICOLA, FL. RNAV (GPS) RWY 18, ORIG-A... DELETE NOTE: CIRCLING TO RWY 36 NA AT NIGHT. DELETE NOTE: STRAIGHT-IN/CIRCLING RWY 18 PROCEDURE NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 6, 14 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 6, 14, 18, 36 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 18 ORIG-B. 1505131511-PERM

FDC **5/1252** AAF IAP APALACHICOLA RGNL-CLEVE RANDOLPH FIELD, APALACHICOLA, FL. RNAV (GPS) RWY 6, AMDT 1A... DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 6 PROCEDURE NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 18/36 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING TO RWY 14 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 6, 14, 18, 36 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 6, AMDT 1B. 1505131511-PERM

FDC **5/1253** AAF IAP APALACHICOLA RGNL-CLEVE RANDOLPH FIELD, APALACHICOLA, FL. RNAV (GPS) RWY 24, AMDT 1A... DELETE NOTE: CIRCLING TO RWY 18-36 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 6, 14 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 24 PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 6, 14, 18, 36 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 24, AMDT 1B. 1505131511-PERM

FDC **5/1254** AAF IAP APALACHICOLA RGNL-CLEVE RANDOLPH FIELD, APALACHICOLA, FL. RNAV (GPS) RWY 32, AMDT 2A... DELETE NOTE: CIRCLING TO RWY 18/36 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 6, 24 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 32 PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 6, 14, 18, 36 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 32, AMDT 2B. 1505131511-PERM

FDC **5/1255** AAF IAP APALACHICOLA RGNL-CLEVE RANDOLPH FIELD, APALACHICOLA, FL. RNAV (GPS) RWY 36, ORIG-A... DELETE NOTE: CIRCLING TO RWY 18 NA AT NIGHT. DELETE NOTE: STRAIGHT-IN/CIRCLING RWY 36 PROCEDURE AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 6, 14 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 6, 14, 18, 36 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 36 ORIG-B. 1505131511-PERM

FDC **5/1256** AAF IAP APALACHICOLA RGNL-CLEVE RANDOLPH FIELD, APALACHICOLA, FL. NDB RWY 14, AMDT 2A... DELETE NOTE: CIRCLING TO RWY 18-36 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 14 PROCEDURE NA. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 6 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 6, 14, 18, 36 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS NDB RWY 14, AMDT 2B. 1505131511-PERM

FDC **5/1258** AAF IAP APALACHICOLA RGNL-CLEVE RANDOLPH FIELD, APALACHICOLA, FL. NDB RWY 32, AMDT 2A... DELETE NOTE: CIRCLING TO RWY 18-36 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 6, 14 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 32 PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 6, 14, 18, 36 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS NDB RWY 32, AMDT 2B. 1505131511-PERM

FDC **5/1332** LIH IAP LIHUE, LIHUE, HI. VOR/DME OR TACAN RWY 21, AMDT 4A... S-21 HAT 402 ALL CATS CHART TDZE 118 DELETE THRE 83. THIS IS VOR/DME OR TACAN RWY 21, AMDT 4B. 1504021307-PERM

FDC **5/1497** MQY IAP SMYRNA, SMYRNA, TN. VOR/DME RWY 32, AMDT 13B... S-32 HAT 462 ALL CATS. CHART TDZE 518 DELETE THRE 517. THIS IS VOR/DME RWY 32, AMDT 13C. 1505131906-PERM

FDC **5/1498** MQY IAP SMYRNA, SMYRNA, TN. RNAV (GPS) RWY 32, AMDT 1... LPV DA 718 ALL CATS. LNAV/VNAV DA 967 ALL CATS. LNAV HAT 442 ALL CATS. CHART TDZE 518 DELETE THRE 517. THIS IS RNAV (GPS) RWY 32, AMDT 1A. 1505131906-PERM

FDC **5/1499** MQY IAP SMYRNA, SMYRNA, TN. ILS OR LOC/DME RWY 32, AMDT 6... S-ILS 32 DA 718 ALL CATS. S-LOC 32 HAT 362 ALL CATS. CHART TDZE 518 DELETE THRE 517. THIS IS ILS OR LOC/DME RWY 32, AMDT 6A. 1505131906-PERM

FDC **5/1500** MQY IAP SMYRNA, SMYRNA, TN. RNAV (GPS) RWY 19, ORIG... DELETE NOTE: STRAIGHT IN MINIMUMS NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 19 NA. CHART TDZE 521 DELETE THRE 521. THIS IS RNAV (GPS) RWY 19 ORIG-A. 1505131906-PERM

FDC **5/1501** MQY IAP SMYRNA, SMYRNA, TN. RNAV (GPS) RWY 14, AMDT 1... CHART TDZE 543 DELETE THRE 543. THIS IS RNAV (GPS) RWY 14, AMDT 1A. 1505131906-PERM

FDC **5/1688** APT IAP MARION COUNTY-BROWN FIELD, JASPER, TN. NDB RWY 4, AMDT 5... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS NDB RWY 4, AMDT 5A. 1505132128-PERM

FDC **5/1742** PHG IAP PHILLIPSBURG MUNI, PHILLIPSBURG, KS. RNAV (GPS) RWY 13, AMDT 1... CHART NOTE: CIRCLING NA TO RWY 3/21. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. (34:1 IS NOT CLEAR.) CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAYS RGNL ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET, INCREASE ALL CAT C VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) RWY 13, AMDT 1A. 1506201551-PERM

FDC **5/1743** PHG IAP PHILLIPSBURG MUNI, PHILLIPSBURG, KS. NDB-A, AMDT 1... CHART NOTE: CIRCLING NA TO RWY 3/21. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAYS RGNL ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET, AND CAT C VISIBILITY 1/4 MILE. THIS IS NDB-A, AMDT 1A. 1506201551-PERM

FDC **5/1746** PHG IAP PHILLIPSBURG MUNI, PHILLIPSBURG, KS. RNAV (GPS) RWY 31, AMDT 1... CHART NOTE: CIRCLING NA TO RWY 3/21. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. (34:1 IS NOT CLEAR.) CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAYS RGNL ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET, INCREASE ALL CAT C VISIBILITY 1/2 MILE. DELETE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS RNAV (GPS) RWY 31, AMDT 1A. 1506201556-PERM

FDC **5/1761** PBF IAP GRIDER FIELD, PINE BLUFF, AR. RNAV (GPS) RWY 18, AMDT 1A... DELETE NOTE: BARO-VNAV NA WHEN USING STUTTGART ALTIMETER SETTING. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING STUTTGART ALTIMETER SETTING. ALTERNATE MINIMUMS STANDARD, EXCEPT NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS RNAV (GPS) RWY 18, AMDT 1B. 1506201719-PERM

FDC **5/1762** PBF IAP GRIDER FIELD, PINE BLUFF, AR. RNAV (GPS) RWY 36, AMDT 1A... DELETE NOTE: WHEN VGSI INOPERATIVE, STRAIGHT-IN/CIRCLING RWY 36 PROCEDURE NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. 34:1 IS CLEAR. THIS IS RNAV (GPS) RWY 36, AMDT 1B. 1506201719-PERM

FDC **5/2332** JFX IAP WALKER COUNTY-BEVILL FIELD, JASPER, AL. ILS OR LOC/DME RWY 27, AMDT 1... CHART NOTE: DME REQUIRED. DELETE PLANVIEW NOTE: DME REQUIRED. S-ILS 27 DA 788. S-LOC 27 HAT 559 ALL CATS. CHART TDZE 481 DELETE THRE 473.. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BIRMINGHAM ALTIMETER SETTING AND INCREASE ILS DA 104 FEET, AND INCREASE ALL MDA 120 FEET: INCREASE S-ILS ALL CATS, S-LOC CAT C/D AND CIRCLING CAT C VISIBILITY 3/8 MILE AND CIRCLING CAT D VISIBILITY 1/4 MILE. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.. THIS IS ILS OR LOC/DME RWY 27, AMDT 1A. 1506221446-PERM

FDC **5/2334** AXV IAP NEIL ARMSTRONG, WAPAKONETA, OH. RNAV (GPS) RWY 8, ORIG... CHART NOTE: NIGHT LANDING: RWY 8 NA. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 8 ORIG-A. 1506221448-PERM

FDC **5/2335** AXV IAP NEIL ARMSTRONG, WAPAKONETA, OH. VOR-A, AMDT 8... CHART NOTE: NIGHT LANDING: RWY 8 NA. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: PROCEDURE NA AT NIGHT. THIS IS VOR-A, AMDT 8A. 1506221448-PERM

FDC **5/2338** AXV IAP NEIL ARMSTRONG, WAPAKONETA, OH. RNAV (GPS) RWY 26, ORIG... CHART NOTE: NIGHT LANDING: RWY 8 NA. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART VDP AT 1.53 MILES TO RW26* *LNAV ONLY. CHART NOTE: VDP NA WHEN USING LIMA ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 26 ORIG-A. 1506221448-PERM

FDC **5/2342** JFX IAP WALKER COUNTY-BEVILL FIELD, JASPER, AL. RNAV (GPS) RWY 27, ORIG... CHART TDZE 481. DELETE THRE 473. LPV DA 789. LNAV/VNAV DA 964. LNAV HAT 559 ALL CATS. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BIRMINGHAM ALTIMETER SETTING AND INCREASE ALL DA 104 FEET, ALL MDA 120 FEET. INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CAT C/D AND CIRCLING CAT C VISIBILITY 3/8 MILE AND CIRCLING CAT D VISIBILITY 1/4 MILE. CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.. THIS IS RNAV (GPS) RWY 27 ORIG-A. 1506221449-PERM

FDC **5/2353** 4M7 IAP RUSSELLVILLE-LOGAN COUNTY, RUSSELLVILLE, KY. RNAV (GPS) RWY 24, ORIG... LPV DA 1069 ALL CATS. LNAV/VNAV DA 1175 ALL CATS. LNAV HAT 439 ALL CATS. DELETE THRE 655 CHART TDZE 681. DELETE NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 24 ORIG-A. 1506221522-PERM

FDC **5/2354** 4M7 IAP RUSSELLVILLE-LOGAN COUNTY, RUSSELLVILLE, KY. VOR/DME RWY 24, AMDT 7... S-24 HAT 599. DELETE THRE 655 CHART TDZE 681. 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 24, AMDT 7A. 1506221522-PERM

FDC **5/2355** 4M7 IAP RUSSELLVILLE-LOGAN COUNTY, RUSSELLVILLE, KY. RNAV (GPS) RWY 6 ORIG ... CHANGE THRE 689 TO TDZE 689. THIS IS RNAV (GPS) RWY 6 ORIG-A 1506221522-PERM

FDC **5/2435** LDJ IAP LINDEN, LINDEN, NJ. GPS-A, ORIG-A... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: PROCEDURE NA AT NIGHT. DELETE PLANVIEW NOTE: RADAR REQUIRED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WARRD ON V213 SOUTHBOUND AND ON TK502 WESTBOUND. MSA FROM BAUTZ 2900. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEWARK LIBERTY INTL ALTIMETER SETTING. THIS IS GPS-A ORIG-B. 1506221851-PERM

FDC **5/2530** D73 IAP MONROE-WALTON COUNTY, MONROE, GA. RNAV (GPS) RWY 3, AMDT 2... DELETE NOTE: WHEN VGSI INOPERATIVE, STRAIGHT-IN/CIRCLING TO RWY 3 PROCEDURE NA AT NIGHT. CHART NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 3, AMDT 2A. 1505151303-PERM

FDC **5/2531** D73 IAP MONROE-WALTON COUNTY, MONROE, GA. NDB-A, AMDT 1... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS NDB-A, AMDT 1A. 1505151303-PERM

FDC **5/2540** RVN IAP HAWKINS COUNTY, ROGERSVILLE, TN. GPS RWY 7, ORIG-A... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS GPS RWY 7 ORIG-B. 1505151310-PERM

FDC **5/2552** WWD IAP CAPE MAY COUNTY, WILDWOOD, NJ. VOR-A, AMDT 3C... CHART NOTE: NIGHT LANDING: RWY 10, 19 NA. MSA FROM SIE VORTAC 1800. THIS IS VOR-A, AMDT 3D. 1505151313-PERM

FDC **5/2554** WWD IAP CAPE MAY COUNTY, WILDWOOD, NJ. LOC RWY 19, AMDT 6D... CHART NOTE: NIGHT LANDING: RWY 10, 19 NA. MSA FROM SIE VORTAC 1800. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS LOC RWY 19, AMDT 6E. 1505151313-PERM

FDC **5/2555** WWD IAP CAPE MAY COUNTY, WILDWOOD, NJ. RNAV (GPS) RWY 19, ORIG-C... CHART NOTE: NIGHT LANDING: RWY 10, 19 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 19 ORIG-D. 1505151313-PERM

FDC **5/2557** WWD IAP CAPE MAY COUNTY, WILDWOOD, NJ. RNAV (GPS) RWY 10, ORIG-B... CHART NOTE: NIGHT LANDING: RWY 10, 19 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 10 ORIG-C. 1505151313-PERM

FDC **5/2578** RCZ IAP RICHMOND COUNTY, ROCKINGHAM, NC. RNAV (GPS) RWY 32, ORIG-A... CHART NOTE: NIGHT LANDING: RWY 32 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 32 ORIG-B. 1505151318-PERM

FDC **5/2589** GBD IAP GREAT BEND MUNI, GREAT BEND, KS. RNAV (GPS) RWY 17, ORIG... CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RUSSELL MUNI ALTIMETER SETTING AND INCREASE ALL DA 77 FEET AND ALL MDA 80 FEET, AND INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CATS C/D AND CIRCLING CAT D VISIBILITY 1/4 MILE. CHANGE UNCOMPENSATED BARO-VNAV SYSTEMS NOTE TO READ: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18 C (0.0 F) OR ABOVE 54 C (130 F). THIS IS RNAV (GPS) RWY 17 ORIG-A. 1506222149-PERM

FDC **5/2590** GBD IAP GREAT BEND MUNI, GREAT BEND, KS. RNAV (GPS) RWY 35, ORIG... CHANGE UNCOMPENSATED BARO-VNAV SYSTEMS NOTE TO READ: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18 C (0.0 F) OR ABOVE 54 C (130 F). THIS IS RNAV (GPS) RWY 35 ORIG-A. 1506222149-PERM

FDC **5/2781** ULM IAP NEW ULM MUNI, NEW ULM, MN. RNAV (GPS) RWY 15, ORIG-A... LPV VIS 7/8 ALL CATS. LNAV/VNAV DA 1292/HAT 281 ALL CATS. LNAV MDA 1400/HAT 389 ALL CATS, VIS CAT C/D 1 1/8. CIRCLING CAT A MDA 1440/HAA 429. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING NA TO RWYS 4 AND 22. CHART VDP AT 1.16 MILES TO RW16*. 34:1 IS CLEAR. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST JAMES ALTIMETER SETTING AND INCREASE ALL DA 55 FEET AND MDA 60 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE AND LNAV CAT C/D 1/4 MILE CHART FAS OBST: 1131 TOWER 441933N/0942957W. THIS IS RNAV (GPS) RWY 15 ORIG-B. 1506231305-PERM

FDC **5/2829** W05 ODP GETTYSBURG RGNL, GETTYSBURG, PA. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... TAKEOFF MINIMUMS: RWY 24, STANDARD WITH MINIMUM CLIMB OF 310 FT PER NM TO 1900 OR 1500-2 1/2 FOR VCOA. DEPARTURE PROCEDURE: RWY 24, CLIMB HEADING 241 TO 1900 BEFORE PROCEEDING ON COURSE. VISUAL CLIMB: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS GETTYSBURG REGIONAL AIRPORT AT OR ABOVE 1900 BEFORE PROCEEDING ON COURSE.. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A. 1504271425-PERM

FDC **5/2888** 6A1 IAP BUTLER MUNI, BUTLER, GA. RNAV (GPS) RWY 36, AMDT 1A... LNAV/VNAV DA 1036/HAT 377, VIS CATS A-C. LNAV MDA 1140/HAT 481 ALL CATS, VIS CATS C/D 1 3/8. CHART FAS OBST: 825 TOWER 323320N/0841416W. THIS IS RNAV (GPS) RWY 36, AMDT 1B. 1504271507-PERM

FDC **5/2973** AIT IAP AITKIN MUNI-STEVE KURTZ FIELD, AITKIN, MN. RNAV (GPS) RWY 34, ORIG-A... LNAV/VNAV DA 1620/HAT 414 CATS A/B/C. DELETE NOTE: RWY 34 STRAIGHT-IN PROCEDURES AND CIRCLING RWY 8/26 NA AT NIGHT. CHART NOTE: CIRCLING NA TO RWYS 8 AND 26. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 34 ORIG-B. 1504271809-PERM

FDC **5/2974** AIT IAP AITKIN MUNI-STEVE KURTZ FIELD, AITKIN, MN. RNAV (GPS) RWY 16, ORIG-A... DELETE NOTE: RWY 16 STRAIGHT-IN PROCEDURES AND CIRCLING RWY 8/26 NA AT NIGHT. CHART NOTE: CIRCLING NA TO RWYS 8 AND 26. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART VDP AT 1.0 MILES TO RW16* *LNAV ONLY. THIS IS RNAV (GPS) RWY 16 ORIG-B. 1504271809-PERM

FDC **5/2975** AIT IAP AITKIN MUNI-STEVE KURTZ FIELD, AITKIN, MN. NDB RWY 16, AMDT 5A... DELETE NOTE: RWY 16 STRAIGHT-IN PROCEDURES AND CIRCLING RWY 8/26 NA AT NIGHT. CHART NOTE: CIRCLING NA TO RWYS 8 AND 26. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS NDB RWY 16, AMDT 5B. 1504271809-PERM

FDC **5/3079** SCX IAP SCOTT MUNI, ONEIDA, TN. VOR/DME-A, AMDT 5A... CHART NOTE: NIGHT LANDING: RWY 5 NA. CHART: CIRCLING ICON. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTICELLO ALTIMETER SETTING AND INCREASE ALL MDA 240 FEET AND CIRCLING CAT C 1 MILE, CAT D 3/4 MILE. CIRCLING CATS A/B MDA 2040/HAA 495, CAT C MDA 2200/HAA 655, CAT D MDA 2260/HAA 715. VIS CAT C 1 3/4, CAT D 2 1/4. THIS IS VOR/DME-A, AMDT 5B. 1506231851-PERM

FDC **5/3125** FDW IAP FAIRFIELD COUNTY, WINNSBORO, SC. RNAV (GPS) RWY 22, AMDT 1A... CHART NOTE: NIGHT LANDING: RWY 4 NA. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 4 NA AT NIGHT. THIS IS RNAV (GPS) RWY 22, AMDT 1B. 1506231947-PERM

FDC **5/3126** FDW IAP FAIRFIELD COUNTY, WINNSBORO, SC. RNAV (GPS) RWY 4, AMDT 1A... CHANGE NOTE: NIGHT LANDING: RWY 4 NA. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 4 PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 4, AMDT 1B. 1506231950-PERM

FDC **5/3128** FDW IAP FAIRFIELD COUNTY, WINNSBORO, SC. NDB RWY 4, AMDT 4A... CHART NOTE: NIGHT LANDING: RWY 4 NA. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 4 PROCEDURE NA AT NIGHT. THIS IS NDB RWY 4, AMDT 4B. 1506231951-PERM

FDC **5/3146** SCH IAP SCHENECTADY COUNTY, SCHENECTADY, NY. ILS OR LOC RWY 4, AMDT 5C... S-ILS 4 VIS 3/4 ALL CATS. S-LOC 4 VIS CATS A/B 3/4. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALBANY ALTIMETER SETTING AND INCREASE ALL DA 33 FEET AND ALL MDA 40 FEET. CHANGE INOPERATIVE TABLE NOTES TO READ: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 4. FOR INOPERATIVE MALSR, INCREASE S-LOC 4 CAT A/B VISIBILITY TO 1 MILE AND CAT C/D VISIBILITY TO 1 3/8 MILE. FOR INOPERATIVE MALSR WHEN USING ALBANY ALTIMETER SETTING, INCREASE S-LOC 4 CAT A/B VISIBILITY TO 1 MILE. WHEN USING ALBANY ALTIMETER SETTING INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 4. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS ILS OR LOC RWY 4, AMDT 5D. 1505181951-PERM

FDC **5/3148** SCH IAP SCHENECTADY COUNTY, SCHENECTADY, NY. RNAV (GPS) RWY 28, ORIG-B... LPV DA 618. LNAV/VNAV DA 696. LNAV HAT 497 ALL CATS. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHANGE WHEN LOCAL ALTIMETER SETTING NOT RECEIVED NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALBANY ALTIMETER SETTING AND INCREASE ALL DA 33 FEET AND ALL MDA 40 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY AND LNAV CAT C/D VISIBILITY 1/8 MILE. CHART TDZE 323 DELETE THRE 320. THIS IS RNAV (GPS) RWY 28 ORIG-C. 1505181956-PERM

FDC **5/3221** SCH IAP SCHENECTADY COUNTY, SCHENECTADY, NY. RNAV (GPS) RWY 22, ORIG-A... CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGE TDZE 378 TO THRE 378. THIS IS RNAV (GPS) RWY 22 ORIG-B. 1505191124-PERM

FDC **5/3222** SCH IAP SCHENECTADY COUNTY, SCHENECTADY, NY. NDB RWY 22, AMDT 16A... CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHANGE THRE 378 TO TDZE 378. THIS IS NDB RWY 22, AMDT 16B. 1505191125-PERM

FDC **5/3236** LOM IAP WINGS FIELD, PHILADELPHIA, PA. RNAV (GPS) RWY 24, AMDT 1... CHART NOTE: NIGHT LANDING: RWY 6 NA.. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA.. THIS IS RNAV (GPS) RWY 24, AMDT 1A. 1505191258-PERM

FDC **5/3237** LOM IAP WINGS FIELD, PHILADELPHIA, PA. RNAV (GPS) RWY 6, AMDT 1... CHART NOTE: NIGHT LANDING: RWY 6 NA.. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA.. THIS IS RNAV (GPS) RWY 6, AMDT 1A. 1505191258-PERM

FDC **5/3460** M83 IAP MCCHAREN FIELD, WEST POINT, MS. VOR-A, AMDT 4... CIRCLING ALL CATS MDA 1040/HAA 835. VIS CAT C 2 1/2. DELETE GOLDEN TRIANGLE RGNL ALTIMETER SETTING MINIMUMS. CHANGE ALTIMETER SETTING NOTE TO READ: USE GOLDEN TRIANGLE RGNL ALTIMETER SETTING, WHEN NOT RECEIVED, USE COLUMBUS AFB ALTIMETER SETTING. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR-A, AMDT 4A. 1504281831-PERM

FDC **5/3461** M83 IAP MCCHAREN FIELD, WEST POINT, MS. VOR/DME-B, AMDT 5... CIRCLING CAT A MDA 920/HAA 715, CATS B/C MDA 940/HAA 735. DELETE GOLDEN TRIANGLE RGNL ALTIMETER SETTING MINIMUMS. CHANGE ALTIMETER SETTING NOTE TO READ: USE GOLDEN TRIANGLE RGNL ALTIMETER SETTING, WHEN NOT RECEIVED, USE COLUMBUS AFB ALTIMETER SETTING. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR/DME-B, AMDT 5A. 1504281831-PERM

FDC **5/3512** DCA IAP RONALD REAGAN WASHINGTON NATIONAL, WASHINGTON, DC. RNAV (RNP) RWY 19, AMDT 2... CHANGE MISSED APPROACH INSTRUCTIONS TO READ: CLIMB TO 3000 ON THE FINAL APPROACH TRACK TO RW19 THEN DIRECT BADDN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. THIS IS RNAV (RNP) RWY 19, AMDT 2A. 1505191740-PERM

FDC **5/3611** 9K2 ODP KOKHANOK, KOKHANOK, AK. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... CHANGE DEPARTURE PROCEDURE TO READ: RWY 6, CLIMBING LEFT TURN DIRECT ILI NDB/DME, CLIMB IN ILI NDB/DME HOLDING PATTERN (SOUTH, RIGHT TURN, 003 INBOUND) TO CROSS ILI NDB/DME AT OR ABOVE MEA FOR ROUTE OF FLIGHT. RWY 24, CLIMBING RIGHT TURN DIRECT ILI NDB/DME, CLIMB IN ILI NDB/DME HOLDING PATTERN (SOUTH, RIGHT TURN, 003 INBOUND) TO CROSS ILI NDB/DME AT OR ABOVE MEA FOR ROUTE OF FLIGHT. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A. 1506051116-PERM

FDC **5/3650** AGS IAP AUGUSTA RGNL AT BUSH FIELD, AUGUSTA, GA. ILS OR LOC RWY 35, AMDT 28A... MSA FROM AG LOM 135-225 MINIMUM ALTITUDE 1900, 225-135 MINIMUM ALTITUDE 3000. THIS IS ILS OR LOC RWY 35, AMDT 28B. 1504291123-PERM

FDC **5/3666** IXA IAP HALIFAX-NORTHAMPTON RGNL, ROANOKE RAPIDS, NC. VOR/DME RWY 2, ORIG-A... S-2 MDA 780/ HAT 637 ALL CATS. CIRCLING MDA 780/HAA 635 ALL CATS. MISSED APPROACH: CLIMBING LEFT TURN TO 2000 DIRECT TYI VORTAC AND HOLD. DELETE ALL REFERENCES TO DUFFI INT/FKN 43.6 DME. THIS IS VOR/DME RWY 2 ORIG-B. 1504061723-PERM

FDC **5/3753** 9A5 ODP BARWICK LAFAYETTE, LAFAYETTE, GA. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1... TAKE-OFF MINIMUMS: RWY 2, 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 255 FT/NM TO 1100. ADD TO RWY 2 NOTED OBSTACLES: TREES BEGINNING 12 FEET FROM DER, 275 FEET LEFT OF CENTERLINE, UP TO 83 FEET AGL/879 FEET MSL. BUILDINGS BEGINNING 302 FEET FROM DER, 164 FEET LEFT OF CENTERLINE, UP TO 40 FEET AGL/813 FEET MSL. TREES BEGINNING 39 FEET FROM DER, 432 FEET RIGHT OF CENTERLINE, UP TO 83 FEET AGL/856 FEET MSL . TREES, BUILDINGS, AND WINDMILLS BEGINNING 765 FEET FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 131 FEET AGL/988 FEET MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 1A. 1504291322-PERM

FDC **5/3779** JVV IAP JOHN BELL WILLIAMS, RAYMOND, MS. NDB RWY 12, AMDT 3A... DELETE NOTE: CIRCLING TO RWY 30 NA AT NIGHT. THIS IS NDB RWY 12, AMDT 3B. 1506051350-PERM

FDC **5/3780** JVV IAP JOHN BELL WILLIAMS, RAYMOND, MS. ILS OR LOC RWY 12, AMDT 1A... DELETE NOTE: CIRCLING TO RWY 30 NA AT NIGHT. THIS IS ILS OR LOC RWY 12, AMDT 1B. 1506051350-PERM

FDC **5/3781** JVV IAP JOHN BELL WILLIAMS, RAYMOND, MS. RNAV (GPS) RWY 12, AMDT 3A... DELETE NOTE: CIRCLING TO RWY 30 NA AT NIGHT. THIS IS RNAV (GPS) RWY 12, AMDT 3B. 1506051350-PERM

FDC **5/3817** 1R7 IAP BROOKHAVEN-LINCOLN COUNTY, BROOKHAVEN, MS. VOR/DME-A, AMDT 9... CIRCLING CAT A MDA 1040/HAA 548, CAT B/C HAA 588. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHANGE AIRPORT ELEVATION FROM 489 TO 492. CHART NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 4 NA AT NIGHT. THIS IS VOR/DME-A, AMDT 9A. 1506241655-PERM

FDC **5/3850** SGJ IAP NORTHEAST FLORIDA RGNL, ST AUGUSTINE, FL. RNAV (GPS) RWY 31, AMDT 1C... DELETE NOTE: NIGHT LANDING: RWY 2, 6, 20, 24 NA.. THIS IS RNAV (GPS) RWY 31, AMDT 1D. 1506241701-PERM

FDC **5/3901** IKK IAP GREATER KANKAKEE, KANKAKEE, IL. RNAV (GPS) RWY 4, AMDT 1A... LNAV/VNAV DA 951/HAT 327 ALL CATS. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY TO 1 MILE. THIS IS RNAV (GPS) RWY 4, AMDT 1B. 1506241804-PERM

FDC **5/3993** FTY IAP FULTON COUNTY AIRPORT-BROWN FIELD, ATLANTA, GA. ILS OR LOC RWY 8, AMDT 17... S-ILS 8 DA 1064/HAT 256 ALL CATS. S-LOC 8 HAT 832 ALL CATS. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 14 AND 26 NA AT NIGHT. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NA NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGE CIRCLING TO RWY 9, 27, 32 NA AT NIGHT NOTE TO READ: NIGHT LANDING: RWY 9, 14, 27 AND 32 NA. DELETE THRE 800, CHART TDZE 808. THIS IS ILS OR LOC RWY 8, AMDT 17A. 1504071211-PERM

FDC **5/4418** HTO IAP EAST HAMPTON, EAST HAMPTON, NY. RNAV (GPS) Y RWY 28, AMDT 1... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 10, 28 OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD. THIS IS RNAV (GPS) Y RWY 28, AMDT 1A. 1505202003-PERM

FDC **5/4419** HTO IAP EAST HAMPTON, EAST HAMPTON, NY. RNAV (GPS) Z RWY 28, ORIG... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 10, 28 OPERATIONAL VGSI REQUIRED, REMAIN AT OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD. THIS IS RNAV (GPS) Z RWY 28 ORIG-A. 1505202003-PERM

FDC **5/4420** HTO IAP EAST HAMPTON, EAST HAMPTON, NY. RNAV (GPS) Z RWY 10, AMDT 1... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 10, 28 OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD. THIS IS RNAV (GPS) Z RWY 10, AMDT 1A. 1505202003-PERM

FDC **5/4422** HTO IAP EAST HAMPTON, EAST HAMPTON, NY. RNAV (GPS) X RWY 10, AMDT 1... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 10, 28 OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD. THIS IS RNAV (GPS) X RWY 10, AMDT 1A. 1505202003-PERM

FDC **5/4423** HTO IAP EAST HAMPTON, EAST HAMPTON, NY. VOR-A, AMDT 11A... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 10, 28 OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD. THIS IS VOR-A, AMDT 11B. 1505202003-PERM

FDC **5/4433** W41 IAP CRISFIELD MUNI, CRISFIELD, MD. RNAV (GPS)-B, ORIG... CHART NOTE: PROCEDURE NA AT NIGHT. CHANGE VISIBILITY REDUCTION BY HELICOPTERS NA NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 14-32 NA AT NIGHT. CHANGE AIRPORT NAME TO CRISFIELD-SOMERSET COUNTY AIRPORT. THIS IS RNAV (GPS)-B ORIG-A. 1506251212-PERM

FDC **5/4450** W41 ODP CRISFIELD MUNI, CRISFIELD, MD. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... CHANGE AIRPORT NAME TO: CRISFIELD-SOMERSET COUNTY AIRPORT. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A. 1506251217-PERM

FDC **5/4451** TMB IAP KENDALL-TAMiami EXECUTIVE, MIAMI, FL. RNAV (GPS) RWY 27R, ORIG... CHANGE AIRPORT NAME TO READ: MIAMI EXECUTIVE. THIS IS RNAV (GPS) RWY 27R ORIG-A. 1506251220-PERM

FDC **5/4456** TMB IAP KENDALL-TAMiami EXECUTIVE, MIAMI, FL. RNAV (GPS) RWY 9L, ORIG-A... CHANGE AIRPORT NAME TO READ: MIAMI EXECUTIVE. THIS IS RNAV (GPS) RWY 9L ORIG-B. 1506251220-PERM

FDC **5/4457** TMB IAP KENDALL-TAMiami EXECUTIVE, MIAMI, FL. ILS OR LOC RWY 9R, AMDT 11... CHANGE AIRPORT NAME TO READ: MIAMI EXECUTIVE. THIS IS ILS OR LOC RWY 9R, AMDT 11A. 1506251220-PERM

FDC **5/4460** TMB IAP KENDALL-TAMiami EXECUTIVE, MIAMI, FL. RNAV (GPS) RWY 27L, AMDT 2... CHANGE AIRPORT NAME TO READ: MIAMI EXECUTIVE. THIS IS RNAV (GPS) RWY 27L, AMDT 2A. 1506251220-PERM

FDC **5/4464** TMB IAP KENDALL-TAMiami EXECUTIVE, MIAMI, FL. RNAV (GPS) RWY 9R, AMDT 2... CHANGE AIRPORT NAME TO READ: MIAMI EXECUTIVE. THIS IS RNAV (GPS) RWY 9R, AMDT 2A. 1506251220-PERM

FDC **5/4465** TMB ODP KENDALL-TAMiami EXECUTIVE, MIAMI, FL. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 8... CHANGE AIRPORT NAME TO READ: MIAMI EXECUTIVE. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 8A. 1506251220-PERM

FDC **5/4616** TLH IAP TALLAHASSEE RGNL, TALLAHASSEE, FL. RNAV (GPS) RWY 36, AMDT 1A... CHANGE AIRPORT NAME FROM TALLAHASSEE RGNL TO TALLAHASSEE INTL. THIS IS RNAV (GPS) RWY 36, AMDT 1B. 1506251302-PERM

FDC **5/4621** TLH IAP TALLAHASSEE RGNL, TALLAHASSEE, FL. VOR/DME OR TACAN RWY 36, AMDT 1A... CHANGE AIRPORT NAME FROM TALLAHASSEE RGNL TO TALLAHASSEE INTL. THIS IS VOR/DME OR TACAN RWY 36, AMDT 1B. 1506251302-PERM

FDC **5/4622** TLH IAP TALLAHASSEE RGNL, TALLAHASSEE, FL. VOR RWY 18, AMDT 12A... CHANGE AIRPORT NAME FROM TALLAHASSEE RGNL TO TALLAHASSEE INTL. THIS IS VOR RWY 18, AMDT 12B. 1506251302-PERM

FDC **5/4624** TLH IAP TALLAHASSEE RGNL, TALLAHASSEE, FL. RADAR 1, AMDT 5B... CHANGE AIRPORT NAME FROM TALLAHASSEE RGNL TO TALLAHASSEE INTL. THIS IS RADAR 1, AMDT 5C. 1506251302-PERM

FDC **5/4637** SGJ IAP NORTHEAST FLORIDA RGNL, ST AUGUSTINE, FL. RNAV (GPS) RWY 13, ORIG-B... DELETE NOTE: RWY 13 STRAIGHT-IN MINIMUMS NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA.. THIS IS RNAV (GPS) RWY 13 ORIG-C. 1505211206-PERM

FDC **5/4752** HNM IAP HANA, HANA, HI. RNAV (GPS) RWY 26, ORIG-A... LNAV HAT 870 ALL CATS, VIS CAT A 1. CIRCLING HAA 862 ALL CATS. THIS IS RNAV (GPS) RWY 26 ORIG-B. 1505211325-PERM

FDC **5/5169** N14 IAP FLYING W, LUMBERTON, NJ. RNAV (GPS) RWY 19, AMDT 1A... DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 1 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 1 NA. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA.. THIS IS RNAV (GPS) RWY 19, AMDT 1B. 1505211613-PERM

FDC **5/5170** N14 IAP FLYING W, LUMBERTON, NJ. RNAV (GPS) RWY 1, AMDT 1A... DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 1 PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 1 NA. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA.. THIS IS RNAV (GPS) RWY 1, AMDT 1B. 1505211613-PERM

FDC **5/5171** N14 IAP FLYING W, LUMBERTON, NJ. VOR-A, AMDT 4... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. DELETE NOTE: WHEN VGSI INOP CIRCLING RWY 1 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 1 NA.. THIS IS VOR-A, AMDT 4A. 1505211613-PERM

FDC **5/5399** LOZ IAP LONDON-CORBIN ARPT-MAGEE FIELD, LONDON, KY. VOR RWY 6, AMDT 13... CHART NOTE: NIGHT LANDING: RWY 6 NA. DELETE VDP. DELETE NOTE: VDP NA WHEN USING SOMERSET ALTIMETER SETTING.. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOMERSET ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET AND INCREASE S-6 CAT C/D AND CIRCLING CAT C/D VISIBILITY 1/4 MILE. THIS IS VOR RWY 6, AMDT 13A. 1506251713-PERM

FDC **5/5858** APF IAP NAPLES MUNI, NAPLES, FL. VOR RWY 23, AMDT 6D... S-23 MDA 600/HAT 592 ALL CATS. CIRCLING MDA 600/HAA 592 ALL CATS. CHART PROCEDURE TURN COMPLETION ALTITUDE 2100. TERMINAL ROUTE FROM RSW VORTAC TO CYY VOR/DME MINIMUM ALTITUDE 2100. TERMINAL ROUTE FROM LBV VORTAC TO CYY VOR/DME MINIMUM ALTITUDE 2300. CHART VDP AT 2.21 DME FROM CYY VOR/DME; 1.72 MILES TO RW23. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZE. DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY. THIS IS VOR RWY 23, AMDT 6E. 1505041159-PERM

FDC **5/5859** CDI IAP CAMBRIDGE MUNI, CAMBRIDGE, OH. RNAV (GPS) RWY 22, ORIG-A... ADD NOTE: NIGHT LANDING RWY 04 NA. DELETE NOTE: PROCEDURE NA AT NIGHT. ADD NOTE: VDP NA WHEN USING ZANESVILLE ALTIMETER SETTING. CHANGE: HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART: VDP AT 1.83 MILES TO RW22. THIS IS RNAV (GPS) RWY 22 ORIG-B. 1505231451-PERM

FDC **5/6215** BAF IAP WESTFIELD-BARNES RGNL, WESTFIELD/SPRINGFIELD, MA. ILS OR LOC RWY 20, AMDT 8... S-ILS 20 VIS RVR 2400. S-LOC 20 CAT A VIS RVR 4000. PETGE FIX MINIMUMS**: S-LOC 20 CAT A/B VIS RVR 2400. CHANGE INOPERATIVE MALSR NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE S-ILS 20 CAT E VISIBILITY TO RVR 4000; INCREASE S-LOC 20 CAT E VISIBILITY TO 3 MILES; INCREASE PETGE FIX MINIMUMS S-LOC 20 CAT E VISIBILITY TO 1 1/2 MILE. DELETE NOTE: INOP TABLE DOES NOT APPLY TO S-ILS 20. DELETE NOTE: NIGHT LANDING: RWY 15, 20, 33 NA. CHART NOTE: NIGHT LANDING: RWY 15, 33 NA. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS ILS OR LOC RWY 20, AMDT 8A. 1505261221-PERM

FDC **5/6338** ROC IAP GREATER ROCHESTER INTL, ROCHESTER, NY. ILS OR LOC RWY 4, ILS RWY 4 (SA CAT I), ILS RWY 4 (CAT II), AMDT 21A... DELETE ALL REFERENCES TO INNER MARKER. THIS IS ILS OR LOC RWY 4, ILS RWY 4 (SA CAT I), ILS RWY 4 (CAT II), AMDT 21B. 1506261216-PERM

FDC **5/6413** TLH IAP TALLAHASSEE INTL, TALLAHASSEE, FL. RNAV (GPS) RWY 18, AMDT 1A... LNAV/VNAV DA 612/HAT 434 ALL CATS. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BAINBRIDGE ALTIMETER SETTING AND INCREASE LPV DA TO 428 FEET AND ALL CATS VISIBILITY 3/8 MILE; INCREASE LNAV/VNAV DA TO 612 FEET AND ALL CATS VISIBILITY 1/4 MILE; INCREASE ALL MDA 100 FEET AND LNAV CATS C/D VISIBILITY 1/4 MILE. CHANGE AIRPORT NAME FROM TALLAHASSEE RGNL TO TALLAHASSEE INTL. THIS IS RNAV (GPS) RWY 18, AMDT 1B. 1506261315-PERM

FDC **5/6537** W03 IAP WILSON INDUSTRIAL AIR CENTER, WILSON, NC. RNAV (GPS) RWY 21, ORIG-C... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 3, 27, 33 NA. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 21 ORIG-D. 1506261404-PERM

FDC **5/6631** HNL IAP HONOLULU INTL, HONOLULU, HI. ILS Y RWY 4R, AMDT 1A... ALTERNATE MISSED APPROACH: CLIMB TO 480, CAT E CLIMB TO 760 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 170 AND CKH VORTAC R-218 TO ALANA INT/CKH 17.44 DME AND HOLD.. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW ALANA INT/CKH 17.44 DME, RT, 038.45 INBOUND. THIS IS ILS Y RWY 4R, AMDT 1B. 1503231234-PERM

FDC **5/7014** LVK IAP LIVERMORE MUNI, LIVERMORE, CA. ILS RWY 25R, AMDT 7A... S-ILS 25R: DA 650/HAT 250 ALL CATS. VISIBILITY 3/4 ALL CATS. S-LOC 25R: MDA 1140/HAT 740 ALL CATS. VISIBILITY CATS A/B 3/4, CAT C 1 5/8, CAT D 1 5/8. CIRCLING: MDA 1140/HAA 740 ALL CATS. VISIBILITY CAT C 2. ILS ALTERNATE MINIMUMS CATS A,B,C 700-2, CAT D 800-2 1/4.. MISSED APPROACH: CLIMB TO 1300, THEN CLIMBING RIGHT TURN TO 3000 DIRECT REIGA LOM, THEN VIA REIGA LOM 062 BEARING TO TRACY INT AND HOLD. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 25R.. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 25R CATS A/B VISIBILITY TO 1.. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. AIRPORT ELEVATION: 400 TDZ ELEVATION: 400. THIS IS ILS RWY 25R, AMDT 7B. 1505271442-PERM

FDC **5/7093** MRB IAP EASTERN WV RGNL/SHEPHERD FLD, MARTINSBURG, WV. ILS OR LOC RWY 26, AMDT 8A... CHART CIRCLING ICON. CIRCLING CAT A MDA 1040/HAA 475, CAT B/C MDA 1240/HAA 675, CAT D MDA 1260/HAA 695, VISIBILITY CAT C 2, CAT D 2 1/4. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAGERSTOWN ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND ALL MDA 80 FEET; INCREASE S-LOC 26 CAT C,D,E, AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE. THIS IS ILS OR LOC RWY 26, AMDT 8B. 1505061250-PERM

FDC **5/7094** MRB IAP EASTERN WV RGNL/SHEPHERD FLD, MARTINSBURG, WV. RNAV (GPS) RWY 26, ORIG-A... CHART CIRCLING ICON. CIRCLING CAT A MDA 1040/HAA 475, CAT B/C MDA 1240/HAA 675, CAT D MDA 1260/HAA 695, VISIBILITY CAT C 2, CAT D 2 1/4. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAGERSTOWN ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND ALL MDA 80 FEET, INCREASE LNAV/VNAV ALL CATS, LNAV CATS C, D, E AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) RWY 26 ORIG-B. 1505061250-PERM

FDC **5/7196** CXF ODP COLDFOOT, COLDFOOT, AK. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... DEPARTURE PROCEDURE: CHANGE: RWY 19, USE BETTLES DEPARTURE, TO READ: USE BETTLES DEPARTURE. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A. 1506111226-PERM

FDC **5/7288** CZD ODP COZAD MUNI, COZAD, NE. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1... TAKE-OFF MINIMUMS: RWY 13, 200-1 OR STANDARD WITH MINIMUM CLIMB OF 372 FEET PER NM TO 2800. CHANGE NOTED OBSTACLE FOR RWY 13: ANTENNA ON GRAIN ELEVATOR, 3672' FROM DER, 392' LEFT OF CENTERLINE, 189' AGL/2678' MSL. TO READ: ELEVATOR 3671 FEET FROM DER, 392 FEET LEFT OF CENTERLINE, 192 FEET AGL/2668 FEET MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 1A. 1506291119-PERM

FDC **5/7308** PHO IAP POINT HOPE, POINT HOPE, AK. RNAV (GPS) RWY 1, AMDT 1... CHANGE THRE 19 TO TDZE 19. THIS IS RNAV (GPS) RWY 1, AMDT 1A. 1505271727-PERM

FDC **5/7309** PHO IAP POINT HOPE, POINT HOPE, AK. RNAV (GPS) RWY 19, AMDT 1... LPV DA 269 ALL CATS. LNAV/VNAV DA 269 ALL CATS. LNAV HAT 341 ALL CATS.. CHANGE THRE 18 TO TDZE 19. THIS IS RNAV (GPS) RWY 19, AMDT 1A. 1505271727-PERM

FDC **5/7402** AXA ODP ALGONA MUNI, ALGONA, IA. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 4... TAKEOFF MINIMUMS: RWY 18, 36: NA - ENVIRONMENTAL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 4A. 1506291437-PERM

FDC **5/7403** MVE ODP MONTEVIDEO-CHIPPEWA COUNTY, MONTEVIDEO, MN. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... DEPARTURE PROCEDURE. TAKEOFF MINIMUMS: RWY 3, 21: NA, ENVIRONMENTAL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A. 1506291441-PERM

FDC **5/7431** CUH ODP CUSHING MUNI, CUSHING, OK. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1... NOTE: NOTE: RWY 18: TREES BEGINNING 43 FT FROM DER, 459 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/921 FT MSL. POLE 341 FT FROM DER, 335 FT LEFT OF CENTERLINE, 36 FT AGL/907 FT MSL. NAVAID 2 FT FROM DER, 30 FT LEFT OF CENTERLINE, 4 FT AGL/879 FT MSL. RWY 36: TERRAIN 72 FT FROM DER, 116 FT RIGHT OF CENTERLINE, 918 FT MSL. TREES BEGINNING 83 FT FROM DER, 5 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/965 FT MSL. TREES BEGINNING 1114 FT FROM DER, 29 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/1013 FT MSL. VEHICLES ON ROADWAY 1050 FT FROM DER, 96 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/951 FT MSL. POLES BEGINNING 1117 FT FROM DER, 138 FT RIGHT OF CENTERLINE, UP TO 22 FT AGL/1071 FT MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 1A. 1506291452-PERM

FDC **5/7444** WLK IAP SELAWIK, SELAWIK, AK. RNAV (GPS) RWY 4, ORIG-B... CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KOTZEBUE ALTIMETER SETTING AND INCREASE ALL MDA 160 FEET; INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE AND CIRCLING CAT D VISIBILITY 1/2 MILE. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 4 ORIG-C. 1505271916-PERM

FDC **5/7445** WLK IAP SELAWIK, SELAWIK, AK. RNAV (GPS) Y RWY 22, ORIG-B... CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KOTZEBUE ALTIMETER SETTING AND INCREASE ALL MDA 160 FEET; INCREASE LNAV VISIBILITY CAT C 1/4 MILE, CAT D 1/2 MILE. INCREASE CIRCLING CATS C/D 1/4 MILE. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) Y RWY 22 ORIG-C. 1505271916-PERM

FDC **5/7587** XNA IAP NORTHWEST ARKANSAS RGNL, FAYETTEVILLE/SPRINGDALE/, AR. ILS OR LOC/DME RWY 16, AMDT 2A... S-LOC 16 CAT C VIS RVR 5000. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BENTONVILLE ALTIMETER SETTING AND INCREASE ALL DA 15 FEET AND ALL MDA 20 FEET. CHANGE VDP NA NOTE TO READ: VDP NA WHEN USING BENTONVILLE ALTIMETER SETTING. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 16 CAT C/D VISIBILITY TO 1 3/8 MILE. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING BENTONVILLE ALTIMETER SETTING, INCREASE S-LOC 16 CAT C/D VISIBILITY TO 1 3/8 MILE. CHART NOTE: DME REQUIRED. CHART VDP AT 2.91 DME*; DISTANCE VDP TO THLD 1.32 MILES. THIS IS ILS OR LOC/DME RWY 16, AMDT 2B. 1506111821-PERM

FDC **5/7588** XNA IAP NORTHWEST ARKANSAS RGNL,
FAYETTEVILLE/SPRINGDALE/, AR. ILS OR LOC/DME RWY 17, ORIG-B... CHART
PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE
{3.00} TCH {51.8}). CHANGE LOCAL ALTIMETER SETTING NOTE TO READ:
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BENTONVILLE
ALTIMETER SETTING AND INCREASE ALL DA 15 FEET AND ALL MDA 20 FEET.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 17 CAT C/D
VISIBILITY TO 1 1/8 MILE. THIS IS ILS OR LOC/DME RWY 17 ORIG-C.
1506111821-PERM

FDC **5/7589** XNA IAP NORTHWEST ARKANSAS RGNL,
FAYETTEVILLE/SPRINGDALE/, AR. ILS OR LOC/DME RWY 34, AMDT 2... S-LOC
34 CAT C/D VIS RVR 3500. CIRCLING CAT A MDA 1740/HAA 453. MISSED
APPROACH: CLIMB TO 3400 ON HEADING 336 AND EOS VOR/DME R-168 TO
HUNTO/EOS 22.55 DME AND HOLD. CHANGE LOCAL ALTIMETER SETTING
NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE
BENTONVILLE ALTIMETER SETTING AND INCREASE ALL DA 15 FEET AND ALL
MDA 20 FEET. CHANGE VDP NA NOTE TO READ: VDP NA WHEN USING
BENTONVILLE ALTIMETER SETTING. CHART NOTE: FOR INOPERATIVE MALSR,
INCREASE S-LOC 34 CAT C/D VISIBILITY TO RVR 5500. DELETE PLANVIEW
NOTE: DME REQUIRED. CHART NOTE: DME REQUIRED. THIS IS ILS OR
LOC/DME RWY 34, AMDT 2A. 1506111821-PERM

FDC **5/7590** XNA IAP NORTHWEST ARKANSAS RGNL,
FAYETTEVILLE/SPRINGDALE/, AR. ILS OR LOC/DME RWY 35, ORIG-B... CHART
PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE
{3.00} TCH {51.1}). CHART NOTE: FOR INOPERATIVE MALSR WHEN USING
BENTONVILLE ALTIMETER SETTING, INCREASE S-LOC 35 CAT C/D VISIBILITY
TO 1 MILE. THIS IS ILS OR LOC/DME RWY 35 ORIG-C. 1506111821-PERM

FDC **5/7592** XNA IAP NORTHWEST ARKANSAS RGNL,
FAYETTEVILLE/SPRINGDALE/, AR. RNAV (GPS) RWY 16, AMDT 2... LNAV/VNAV
VIS RVR 4500 ALL CATS. LNAV CAT C/D VIS RVR 5500. CHANGE LOCAL
ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT
RECEIVED, USE BENTONVILLE ALTIMETER SETTING AND INCREASE ALL DA
15 FEET AND ALL MDA 20 FEET, AND INCREASE LNAV/VNAV ALL CATS
VISIBILITY TO RVR 5000. CHANGE BARO-VNAV NA AND VDP NA NOTE TO
READ: BARO-VNAV AND VDP NA WHEN USING BENTONVILLE ALTIMETER
SETTING. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT C/D
VISIBILITY TO 1 3/8 MILE. CHART NOTE: FOR INOPERATIVE MALSR WHEN
USING BENTONVILLE ALTIMETER SETTING, INCREASE LPV ALL CATS
VISIBILITY TO RVR 4500 AND LNAV/VNAV ALL CATS TO 1 3/8 MILE. THIS IS
RNAV (GPS) RWY 16, AMDT 2A. 1506111821-PERM

FDC **5/7593** XNA IAP NORTHWEST ARKANSAS RGNL, FAYETTEVILLE/SPRINGDALE/, AR. RNAV (GPS) RWY 17, ORIG-B... CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {3.00} TCH {51.8}). CHANGE INOPERATIVE MALSR NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 MILE AND LNAV CAT C/D TO 1 3/8 MILE. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING BENTONVILLE ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 MILE AND LNAV CAT C/D TO 1 3/8 MILE. THIS IS RNAV (GPS) RWY 17 ORIG-C. 1506111821-PERM

FDC **5/7594** XNA IAP NORTHWEST ARKANSAS RGNL, FAYETTEVILLE/SPRINGDALE/, AR. RNAV (GPS) RWY 34, AMDT 1... LNAV CAT C/D VIS RVR 3500. CIRCLING CAT A MDA 1740/HAA 453. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BENTONVILLE ALTIMETER SETTING AND INCREASE ALL DA 15 FEET AND ALL MDA 20 FEET AND INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500. CHANGE VDP AND BARO-VNAV NA NOTE TO READ: BARO-VNAV AND VDP NA WHEN USING BENTONVILLE ALTIMETER SETTING. CHANGE FOR INOPERATIVE MALSR NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE LNAV CAT C/D VISIBILITY TO RVR 5500. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING BENTONVILLE ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500 AND LNAV/VNAV ALL CATS TO 1 1/4 MILE. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {3.00} TCH {51.3}). THIS IS RNAV (GPS) RWY 34, AMDT 1A. 1506111821-PERM

FDC **5/7595** XNA IAP NORTHWEST ARKANSAS RGNL, FAYETTEVILLE/SPRINGDALE/, AR. RNAV (GPS) RWY 35, ORIG-B... LNAV/VNAV VIS 5/8 ALL CATS. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {3.00} TCH {51.1}). CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BENTONVILLE ALTIMETER SETTING AND INCREASE ALL DA 15 FEET AND ALL MDA 20 FEET AND INCREASE LNAV CAT C/D VISIBILITY 1/8 MILE. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 MILE. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING BENTONVILLE ALTIMETER SETTING, INCREASE LNAV CAT C/D VISIBILITY TO 1 1/8 MILE. THIS IS RNAV (GPS) RWY 35 ORIG-C. 1506111821-PERM

FDC **5/7810** SMF IAP SACRAMENTO INTL, SACRAMENTO, CA. RNAV (GPS) Y RWY 34R, AMDT 1... LNAV VISIBILITY CATS C/D 1. THIS IS RNAV (GPS) Y RWY 34R, AMDT 1A. 1505071259-PERM

FDC **5/7820** JAC IAP JACKSON HOLE, JACKSON, WY. RNAV (GPS) X RWY 1, AMDT 1A... DELETE NOTE: BARO-VNAV NA BELOW -27C (-16F).. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -27C (-16F) OR ABOVE 46C (114F). THIS IS RNAV (GPS) X RWY 1, AMDT 1B. 1505071305-PERM

FDC **5/8306** GWO IAP GREENWOOD-LEFLORE, GREENWOOD, MS. ILS OR LOC RWY 18, AMDT 8... CHART TERMINAL ROUTE FROM SQS VORTAC TO TEOCK LOM/INT 048.40/12.32. THIS IS ILS OR LOC RWY 18, AMDT 8A. 1506142121-PERM

FDC **5/8347** SFQ IAP SUFFOLK EXECUTIVE, SUFFOLK, VA. RNAV (GPS) RWY 25, AMDT 1... CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: CIRCLING TO RWY 7 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 4, 22 NA AT NIGHT. DELETE NOTE: STRAIGHT-IN AND CIRCLING TO RWY 25 PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 25 NA. CHANGE THRE 67 TO TDZE 67. THIS IS RNAV (GPS) RWY 25, AMDT 1A. 1506151111-PERM

FDC **5/8348** SFQ IAP SUFFOLK EXECUTIVE, SUFFOLK, VA. RNAV (GPS) RWY 22, AMDT 1... CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: CIRCLING TO RWY 7 AND 25 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 4 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN AND CIRCLING TO RWY 22 PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 25 NA. CHANGE THRE 69 TO TDZE 69. THIS IS RNAV (GPS) RWY 22, AMDT 1A. 1506151111-PERM

FDC **5/8349** SFQ IAP SUFFOLK EXECUTIVE, SUFFOLK, VA. LOC RWY 4, AMDT 4... CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN AND CIRCLING RWY 4 PROCEDURE NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 7, 25 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 22 NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 25 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. (VGSI ANGLE 3.50/TCH 45). CHANGE THRE 66 TO TDZE 66. THIS IS LOC RWY 4, AMDT 4A. 1506151111-PERM

FDC **5/8350** SFQ IAP SUFFOLK EXECUTIVE, SUFFOLK, VA. RNAV (GPS) RWY 4, AMDT 3... CHANGE HELICOPTER NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 22 NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 7 AND 25 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN AND CIRCLING TO RWY 4 PROCEDURE NA AT NIGHT. CHART NOTE: NIGHT LANDING: RWY 25 NA. CHART: VDP AT 0.88 NM TO RW04.* *LNAV ONLY. CHART NOTE: VDP NA WHEN USING NORFOLK INTL ALTIMETER SETTING. CHANGE THRE 66 TO TDZE 66. THIS IS RNAV (GPS) RWY 4, AMDT 3A. 1506151111-PERM

FDC **5/8364** FWN IAP SUSSEX, SUSSEX, NJ. VOR-A, AMDT 6... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR-A, AMDT 6A. 1506151127-PERM

FDC **5/8511** 2K0 IAP PIATT COUNTY, MONTICELLO, IL. VOR OR GPS-A, AMDT 1... CHART NOTE: PROCEDURE NA AT NIGHT. THIS IS VOR OR GPS-A, AMDT 1A. 1506151809-PERM

FDC **5/8917** CNM IAP CAVERN CITY AIR TRML, CARLSBAD, NM. VOR RWY 32L, AMDT 6A... CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ARTESIA MUNI ALTIMETER SETTING AND INCREASE ALL MDA 120 FT AND S-32L CATS C/D VISIBILITY TO 1 1/2, CIRCLING CAT C VISIBILITY TO 2 1/4. ALTERNATE MINIMUMS STANDARD, EXCEPT CAT D 1000-3; NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS VOR RWY 32L, AMDT 6B. 1506161244-PERM

FDC **5/9012** N81 IAP HAMMONTON MUNI, HAMMONTON, NJ. RNAV (GPS) RWY 3, AMDT 1... CHART NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 3, AMDT 1A. 1506161314-PERM

FDC **5/9013** N81 IAP HAMMONTON MUNI, HAMMONTON, NJ. VOR-A, AMDT 7... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR-A, AMDT 7A. 1506161315-PERM

FDC **5/9015** N81 IAP HAMMONTON MUNI, HAMMONTON, NJ. VOR-B, AMDT 2... CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR-B, AMDT 2A. 1506161317-PERM

FDC **5/9089** BRW IAP WILEY POST-WILL ROGERS MEMORIAL, BARROW, AK. RNAV (GPS) RWY 7, ORIG... LPV AND LNAV/VNAV ALL CATS VIS RVR 4000. LNAV MDA 400/HAT 348 ALL CATS, VIS CAT C/D RVR 4000. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS. CHANGE FOR INOPERATIVE MALSR NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500. CHANGE WHEN LOCAL ALTIMETER SETTING NOT RECEIVED NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ATQASUK ALTIMETER SETTING, INCREASE ALL DA 124 FEET, LPV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE, INCREASE ALL MDA 140 FEET AND LNAV CAT C/D VISIBILITIES 1/2 MILE, AND CIRCLING CAT C/D VISIBILITIES 1/4 MILE. CHANGE FOR INOPERATIVE MALSR WHEN USING ATQASUK ALTIMETER SETTING NOTE TO READ: FOR INOPERATIVE MALSR WHEN USING ATQASUK ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITIES TO 1 3/8 MILE. CHART FAS OBST: 137 TOWER 711732N/1564711W.. THIS IS RNAV (GPS) RWY 7 ORIG-A. 1505091533-PERM

FDC **5/9090** BRW ODP WILEY POST-WILL ROGERS MEMORIAL, BARROW, AK. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... CHART NOTE: RWY 7, NAVAIDS 8 FEET FROM DER, FROM 81 FEET LEFT TO 81 FEET RIGHT OF CENTERLINE, UP TO 2 FEET AGL/38 FEET MSL. NAVAID 243 FEET FROM DER ON CENTERLINE, 32 FEET AGL/46 FEET MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A. 1505091537-PERM

FDC **5/9091** LXV IAP LAKE COUNTY, LEADVILLE, CO. GPS RWY 16 ORIG ... S-16: HAT 1426 ALL CATS. CIRCLING: HAA 1426 ALL CATS. CHANGE: AIRPORT ELEVATION 9934. CHANGE: TDZE 9934. THIS IS GPS RWY 16 ORIG-A 1505091538-PERM

FDC **5/9300** BAF IAP WESTFIELD-BARNES RGNL, WESTFIELD/SPRINGFIELD, MA. VOR OR TACAN RWY 2, AMDT 4E... CIRCLING CAT D/E MDA 1660/HAA 1390. CHART CIRCLING ICON. ALTERNATE MINIMUMS: CAT A/B 900-2, CAT C 900-2 3/4, CAT D/E 1400-3, NA WHEN LOCAL WEATHER NOT AVAILABLE. NOTE: NIGHT LANDING: RWY 15, 33 NA. NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS VOR OR TACAN RWY 2, AMDT 4F. 1506161701-PERM

FDC **5/9304** BAF IAP WESTFIELD-BARNES RGNL, WESTFIELD/SPRINGFIELD, MA. RNAV (GPS) RWY 2, ORIG-A... CIRCLING CAT D/E MDA 1660/HAA 1390. CHART CIRCLING ICON. ALTERNATE MINIMUMS: CAT A/B 1100-2, CAT C 1100-3, CAT D/E 1400-3, NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT MOLDS ON V39-93 EAST BOUND AND T300 NORTHWEST BOUND. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING: RWY 15, 33 NA. THIS IS RNAV (GPS) RWY 2 ORIG-B. 1506161703-PERM

FDC **5/9318** BAF IAP WESTFIELD-BARNES RGNL, WESTFIELD/SPRINGFIELD, MA. RNAV (GPS) RWY 20, AMDT 1B... LPV VIS 2400. LNAV CAT A/B VIS 2400. CIRCLING CAT D/E MDA 1660/HAA 1390. CHART: CIRCLING ICON. ALTERNATE MINIMUMS: CAT A/B 900-2, CAT C 900-2 3/4, CAT D/E 1400-3, NA WHEN LOCAL WEATHER NOT AVAILABLE. DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV MDA CATS A AND B. CHANGE INOPERATIVE MALSR NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS VISIBILITY TO 2 1/2, LNAV CAT E VISIBILITY TO 1 1/2. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 15 AND 33 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 20 NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: NIGHT LANDING: RWY 15, 33 NA. THIS IS RNAV (GPS) RWY 20, AMDT 1C. 1506161705-PERM

FDC **5/9321** BAF IAP WESTFIELD-BARNES RGNL, WESTFIELD/SPRINGFIELD, MA. VOR RWY 20, AMDT 20D... CIRCLING CAT D MDA 1660/HAA 1390. CHART CIRCLING ICON. ALTERNATE MINIMUMS: CAT A/B 900-2, CAT C 900-2 3/4, CAT D 1400-3, NA WHEN LOCAL WEATHER NOT AVAILABLE. DISREGARD NOTE: CIRCLING TO RWY 15 NA AT NIGHT. DISREGARD NOTE: WHEN VGSI INOP, CIRCLING RWY 33 NA AT NIGHT. NOTE: NIGHT LANDING: RWY 15, 33 NA. DISREGARD NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NA. THIS IS VOR RWY 20, AMDT 20E. 1506161708-PERM

FDC **5/9362** PCM IAP PLANT CITY, PLANT CITY, FL. VOR RWY 28, AMDT 3B... CHANGE USE LAKELAND ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAKELAND ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET. DELETE PROFILE NOTE: *860 WHEN USING TAMPA ALTIMETER SETTING. CHART NOTE: NIGHT LANDING: RWY 28 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR RWY 28, AMDT 3C. 1506161847-PERM

FDC **5/9701** MRI ODP MERRILL FIELD, ANCHORAGE, AK. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1... DEPARTURE PROCEDURE. TAKEOFF MINIMUMS: RWY 16, STANDARD WITH MINIMUM CLIMB OF 306 FEET PER NM TO 2000.. ALL OTHER DATA REMAINS AS PUBLISHED.. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 1A. 1503311307-PERM

FDC **5/9780** ADM IAP ARDMORE MUNI, ARDMORE, OK. RNAV (GPS) RWY 13, ORIG-A... CHART NOTE: NIGHT LANDING: RWY 13, 35 NA. DELETE NOTE: WHEN VGSI INOP STRAIGHT-IN/CIRCLING RWY 13 NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 17/35 NA AT NIGHT. CHANGE HELICOPTER VISIBILITY NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 13 ORIG-B. 1506171254-PERM

FDC **5/9782** ADM IAP ARDMORE MUNI, ARDMORE, OK. ILS OR LOC RWY 31, AMDT 5A... CHART NOTE: NIGHT LANDING: RWY 13, 35 NA. DELETE NOTE: CIRCLING TO RWY 17/35 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING TO RWY 13 NA AT NIGHT. THIS IS ILS OR LOC RWY 31, AMDT 5B. 1506171254-PERM

FDC **5/9783** ADM IAP ARDMORE MUNI, ARDMORE, OK. RNAV (GPS) RWY 31, AMDT 1A... CHART NOTE: NIGHT LANDING: RWY 13, 35 NA. DELETE NOTE: CIRCLING TO RWY 17/35 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 13 NA AT NIGHT. THIS IS RNAV (GPS) RWY 31, AMDT 1B. 1506171254-PERM

FDC **5/9784** ADM IAP ARDMORE MUNI, ARDMORE, OK. VOR-B, AMDT 1A... CHART NOTE: NIGHT LANDING: RWY 13, 35 NA. DELETE NOTE: CIRCLING TO RWY 17/35 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 13 NA AT NIGHT. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ARDMORE DOWNTOWN EXECUTIVE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND CIRCLING CAT D VISIBILITY 1/4 MILE. THIS IS VOR-B, AMDT 1B. 1506171254-PERM

FDC **5/9824** FLL ODP FORT LAUDERDALE/HOLLYWOOD INTL, FORT LAUDERDALE, FL. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 6... DEPARTURE PROCEDURE : RWY 10L - CLIMB ON HEADING 096 TO 500 BEFORE TURNING LEFT. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 6A. 1504201541-PERM

FDC **5/9871** D38 IAP CANANDAIGUA, CANANDAIGUA, NY. RNAV (GPS) RWY 31, AMDT 1... DELETE NOTE: NIGHT LANDING: RWY 13 NA. THIS IS RNAV (GPS) RWY 31, AMDT 1A. 1505112201-PERM